

APEC 2017 SECOND SENIOR OFFICIALS' MEETING (SOM 2) AND RELATED MEETINGS

APEC STUDY CENTERS CONSORTIUM CONFERENCE 2017

PROCEEDINGS

12-13 May 2017 ■ Hanoi, Vietnam



CONFERENCE AGENDA

Day 1: May 12, 2017

08:00 - 08:30 Registration

08:30 - 09:15 **Opening Remarks:** Nguyen Vu Tung, DAV President

Keynote Speech: H.E. Mr. Bui Thanh Son, Deputy Foreign Minister, Vice Chairman of the National Committee for APEC

Remarks: Denis Hew, Director of APEC Policy Support Unit (PSU)

09:15 - 09:30 Photo Session

09:30 - 11:00 **SESSION 1: THE ASIA – PACIFIC REGION: NEW TRENDS, CHALLENGES, AND OUTLOOK**

This session will focus on analyzing the global and regional context, identifying new trends of regional economy and assessing their implications to APEC. Emerging trends in the region can pose challenges to economic growth, the achievement of Bogor goals as well as the post-2020 vision of APEC. Therefore, a comprehensive assessment on regional trends is imperative for APEC leaders and enterprises in crafting development strategy.

Moderator: *Vo Tri Thanh, Central Institute for Economic Management, Vietnam*

- **APEC Regional Trend Analysis**
Emmanuel A. San Andres, APEC Policy Support Unit
- **Trade Policy Priorities in an Uncertain Regional Trade Environment**
Robert Scollay, University of Auckland, New Zealand
- **Trends towards reducing trade costs: Comparing multilateral and regional commitments in Trade Facilitation**
Tham Siew Yean, ISEAS-Yusof Ishak Institute, ASC Singapore
- **Challenges and opportunities for economic growth and trade in APEC region: undisclosed potential**
Ksenia Proka and Nikita Pyzhikov, ASC Russia
- **Relocation of Investment and Trade Diversification in APEC: Trends and Challenges for Mexico**
José Ernesto Rangel Delgado, Juan Gonzalez Garcia, and Angel Licona Michel, APEC Study Center & Pacific Study Center University of Colima, Mexico

Discussion

11:00 - 11:15

Coffee Break

11:15 - 12:45 SESSION 2: RELEVANCE AND DYNAMISM FOR APEC IN THE NEW CONTEXT

Discussion on this topic is aimed at answering several questions including: Which role can APEC play in enhancing economic cooperation, prosperity and development? What measures can be taken by member economies to encourage APEC's effectiveness and relevance in the new context? What are the key factors generating new dynamisms for APEC in the near future and post-Bogor period? Which is APEC's position in the evolving regional architecture?

Moderator: *Alan Oxley, RMIT University, Australian APEC Study Centre*

- **APEC beyond Economic Cooperation: Its Achievement for the Past Three Decades**
Ippei Yamazawa and Toshiya Takahashi, ASC Japan
- **Building an APEC Framework for Advancing Regional Economic Integration**
Chen-Sheng Ho, International Affairs Department, Taiwan Institute of Economic Research
- **APEC's New Role in Further Promoting Asia-Pacific Regional Economic Integration**
Liu Chenyang, Nankai University, ASC China
- **Where should APEC go? To build the Asia-Pacific Community of Inclusiveness and Development**
Lu Jianren, China-ASEAN Research Institute, Guangxi University; and Chinese Academy of Social Sciences

Discussion

12:45 - 14:00

Lunch

14:00 - 15:30 SESSION 3: PROMOTING RESILIENCE, SUSTAINABLE AND INCLUSIVE GROWTH AMONG APEC MEMBER ECONOMIES

This session focuses on solutions for APEC economies in order to pursue sustainable development given the context of increasing threats to economic security such as climate change, food and energy security, epidemics, transnational crimes, etc. The discussions will cover the following issues: (i) Developing climate-friendly and resilient economy for ensuring sustainable development; (ii) APEC's role in the accomplishment of Sustainable Development Goals (SDGs); (iii) Risks management recommendations for APEC economies.

Moderator: *Eduardo Pedrosa, PECC*

- **Regional and global initiatives for sustainable infrastructure**
Ken Waller, RMIT University, ASC Australia
- **Logistic Infrastructures and Growth: from Building to Utilizing**
Souknilanh Keola, Bangkok Research Center, Institute of Developing Economies, Japan External Trade Organisation (IDE-JETRO)
- **Food for Sustainable Growth, Food for Zero Hunger**
Kan Zaw, Myanmar Academy of Social Sciences
- **Financial inclusion in APEC: Achievements, Issues and Future Agenda**
Can Van Luc, Bank for Investment and Development of Vietnam

Discussion

15:30 - 15:45

Coffee Break

15:45 - 17:15 SESSION 4: PROMOTING HUMAN RESOURCE DEVELOPMENT AND TECHNOLOGICAL INNOVATION IN THE ASIA – PACIFIC REGION

Human resources and technological innovation are key factors in enhancing competitiveness and economic growth prospect for APEC members. The digital age also requires new approaches to education, training and human capital development. In this session, participants are invited to elaborate opportunities for promoting regional trade and integration through education and technological cooperation.

Moderator: *Li Wentao, Nankai University, ASC China*

- **Determinants of new product introduction trials: Organizational characteristics of innovative firms in Vietnam**
Yasushi Ueki, Economic Research Institute for ASEAN and East Asia, Indonesia
- **Entrepreneurship in APEC and Hong Kong**
Cheung-Kwok Law, The Chinese University of Hong Kong, ASC Hong Kong
- **Identifying Key Drivers of Current Skill Shortages in the APEC Tourism Labour Force**
Anthony Makin et al., Griffith University, ASC Australia
- **Returns to Education in the Philippines: Semiparametric Quantile Approach**
Mariel Sauler and Maria Tomaliwan, School of Economics, De La Salle University, Philippines
- **Pathways to Operationalizing the APEC MSME Marketplace: A Focus on Realizing Pillar 1 via Business-to-Business (B2B) E-Commerce**
Jovito Katigbak, Foreign Affairs Research Specialist, the Philippines

Discussion

17:15 - 18:45 SESSION 5: DEEPENING REGIONAL ECONOMIC INTEGRATION – WAYS FORWARD

Increasing globalization skepticism and the surge of protectionism are creating counter-forces to regional economic integration. In this context, the key question is how to deepen regional economic integration while addressing sustainability and social equity. This session will provide an analysis of potential economic and social benefits and costs, as well as the prospect of regional integration initiatives; identify challenges economies may face; and explore possible pathways towards realizing regional integration initiatives.

Moderator: *Robert Scollay, University of Auckland, ASC New Zealand*

- **Analysis on the Ways to Move the FTAAP Forward: Progress, Challenges and Future Actions**
Li Wentao, Nankai University, ASC China
- **Promoting FTAAP and finding ways forward to achieve Bogor goal and beyond**
Maura Ada Iliuteanu, Economic Research Institute for ASEAN and East Asia
- **Drawing on the prospective benefits from the TPP**
Alan Oxley, RMIT University, ASC Australia
- **An Analysis of Goods and Services Market Integration among Asia Pacific Countries**
Seongman Moon, Chonbuk National University, Korea
- **Have APEC economies reached economic convergence?**
Rowell Casaclang, Foreign Service Institute, the Philippines

Discussion

09:00 - 10:30 SESSION 6: THE DEVELOPMENT OF AN APEC'S LABOR MOBILITY FRAMEWORK

This year APEC SOM starts a new initiative 'APEC Labor Mobility Framework' under the joint initiatives by Australia and Vietnam. It aims to enhance and improve the labor mobility among APEC economies. If successfully implemented, it will be a most promising challenge, while labor movements and refugees cause various frictions in Europe and North America. But it will also be a difficult task because of a big diversity among APEC members. This session will discuss different types of labor mobility within APEC, and other matters related to labor issue among APEC member economies.

Moderator: *Tran Viet Thai, Vietnam ASC*

- **Progress on the Development of an APEC Labour Mobility Framework**
Jabulane Matsebula, Australian Government Department of Employment
- **Towards a more flexible model for inviting migrant workers**
Junichi Akashi and Ippei Yamazawa, ASC Japan
- **A Decomposition Analysis Of Wage Inequality in the Philippines**
Neriza Cacas-Chow, Maria Dabbay, and Mariel Sauler, School of Economics, De La Salle University, Philippines
- Le Kim Dung, Ministry of Labour, Invalids and Social Affairs, Vietnam

Discussion

10:30 - 10:45

Coffee Break

10:45 - 12:15 SESSION 7: ENHANCING CAPACITY AND COMPETITIVENESS OF MSMEs

MSMEs have been considered as one of the most important driving forces for economic growth and development in the region. This session is to examine ways to enhance capacity and competitiveness of MSMEs for adaptation to new trends and challenges in the Asia Pacific region. The topic also includes measures to support start-up businesses and foster a regional network of MSMEs, as well as to promote MSMEs' participation in the regional value chain.

Moderator: *Can Van Luc, Bank for Investment and Development of Vietnam*

- **Enhancing Competitiveness of SMEs in APEC: New Directions for Technological Cooperation**
Jin-sang Lee, State University of New York in Korea
- **SMEs in Regional Integration – Lessons from ASEAN?**
Sothea Oum, Asia Growth Research Centre , Singapore University of Adelaide
- **The academic sector: role in strengthening the competitiveness of MSMEs**
Esteban Zottele de Vega et al., Universidad Veracruzana, Mexican Consortium of ASCs
- **The role of Global Business Alumni Network in enhancing the global competitiveness of SMEs**
Lorna Wright, York University, Canada
- **Factors affecting business success of small and medium food enterprises in the Philippines**
Elaine Borazon, College of Home Economics, University of Philippines, Diliman

Discussion

12:15– 12:25 Wrap-up Session

12:25– 12:45 ASCC Business Meeting/ASCC 2018 Announcement

12:45– 14:00

Lunch

End of Conference



**Asia-Pacific
Economic Cooperation**

**Advancing
Free Trade for Asia-Pacific
Prosperity**

APEC Regional Trend Analysis (ARTA): *Global economic momentum and optimism fuel near-term growth*

**APEC Study Centre Consortium Conference 2017
Ha Noi, 12-13 May 2017**

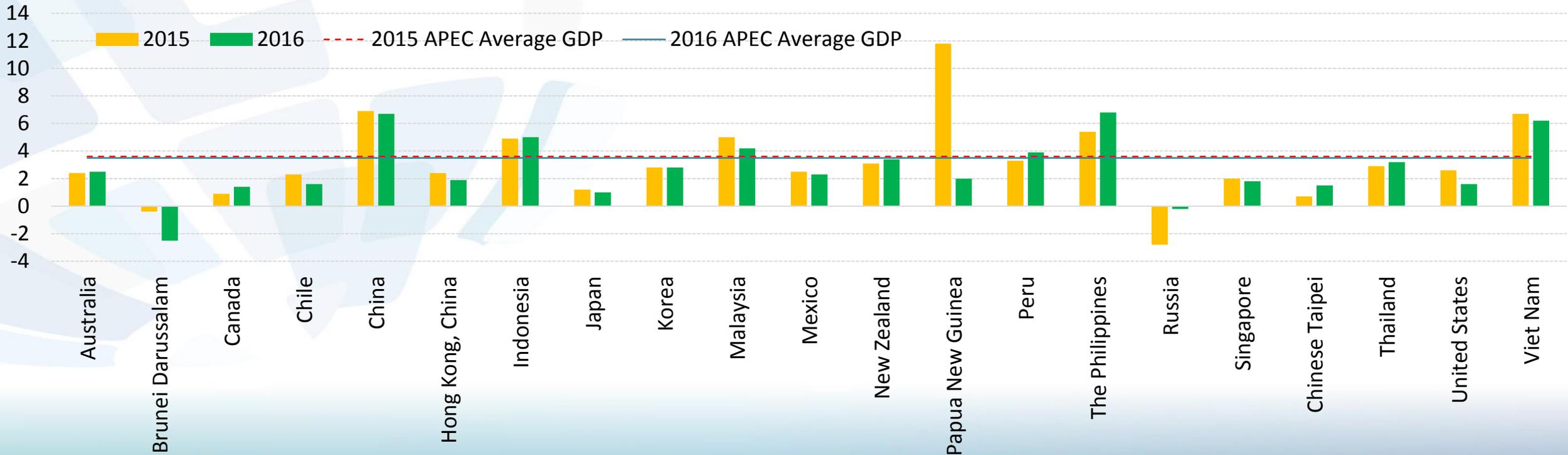
Presented by
Emmanuel A. San Andres, Analyst
APEC Policy Support Unit

APEC continues to grow amid firmer signs of a global recovery



- The APEC region posted a GDP growth of 3.5% in 2016, only slightly lower than the 3.6% growth in 2015, reflecting firmer signs of a global cyclical recovery following the 2008 global financial crisis.

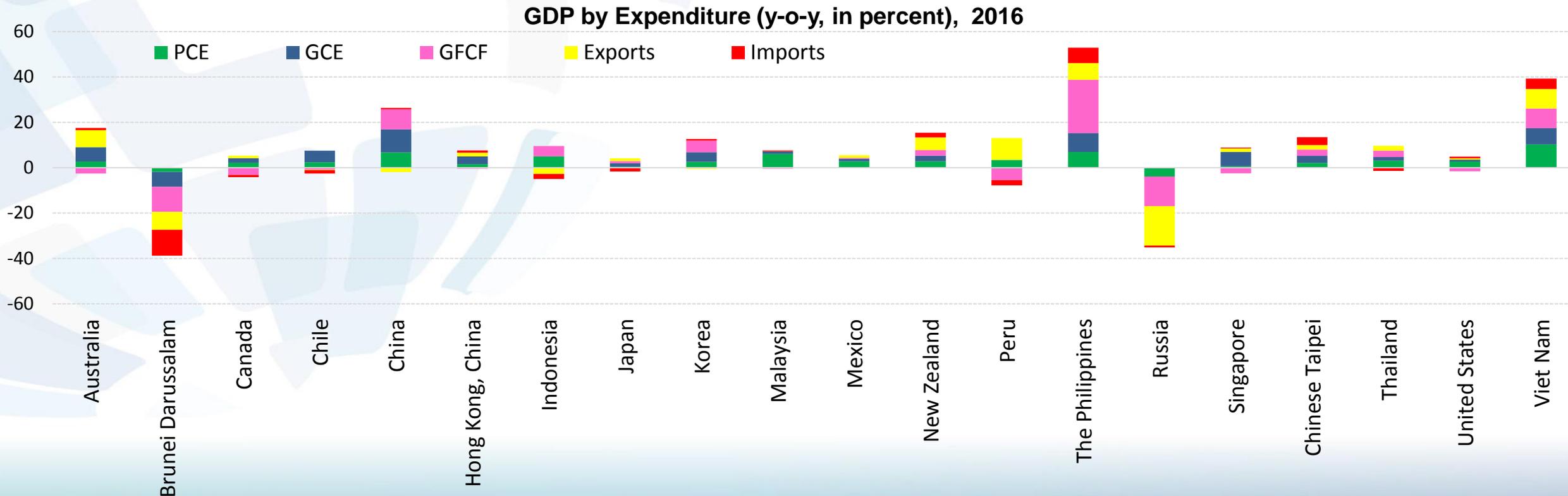
GDP Growth Rates, year-on-year (y-o-y), 2015 and 2016



Sources: Asian Development Bank (ADB), International Financial Statistics (IFS), the World Bank (WB), The Economist Economic and Financial Indicators, various economy sources, and APEC PSU staff calculations.

Domestic consumption buoys economic growth even as trade starts to recover

- Sustained contributions from private and government consumption remained as the main fuel for APEC's growth even as trade activity in the region is more upbeat in 2016.



Legends: PCE- private consumption expenditure; GCE- government consumption expenditure; and GFCF- gross fixed capital formation.

Note: Data not available for Papua New Guinea. Missing bars denote either nil growth or unavailable data.

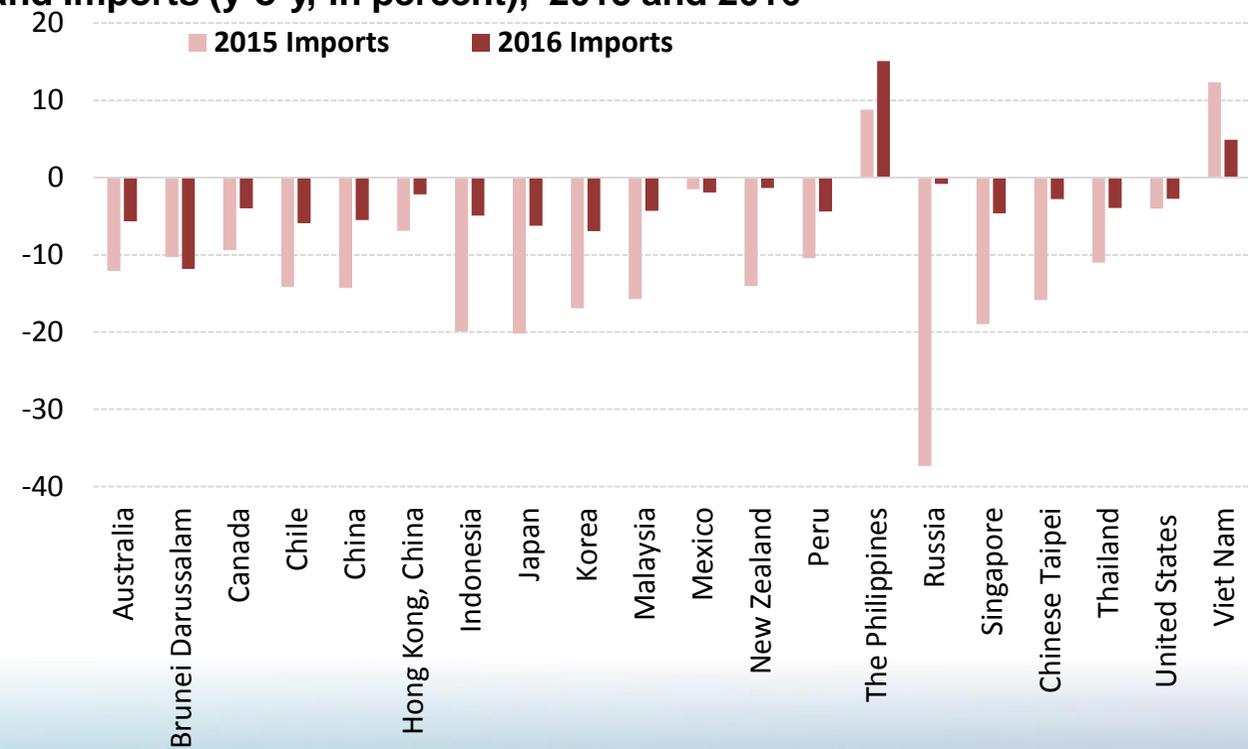
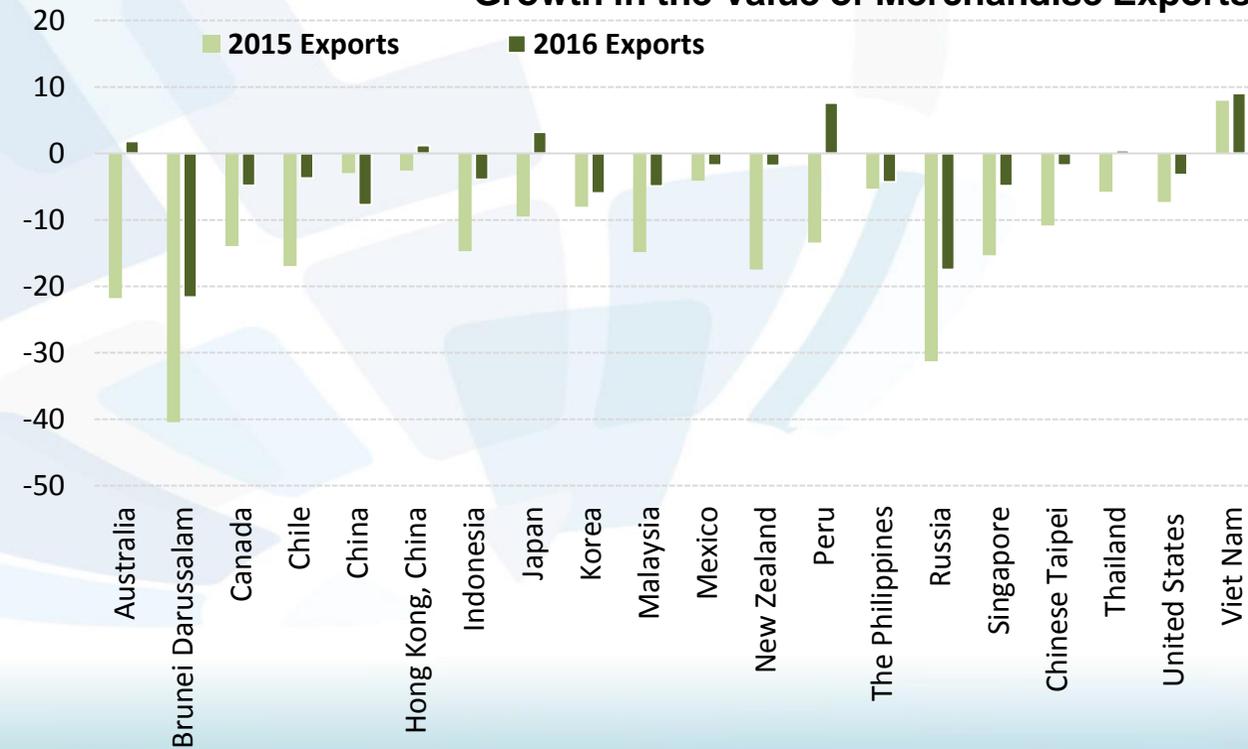
Sources: ADB various economy sources and APEC PSU staff calculations.

Export and import merchandise trade values improve in 2016



- On average, the APEC region's merchandise trade values contracted by 4.1% for exports and 3.7% for imports in 2016, better than contraction of 8.7% and 11.4% in 2015.

Growth in the Value of Merchandise Exports and Imports (y-o-y, in percent), 2015 and 2016



Note: Data not available for Papua New Guinea

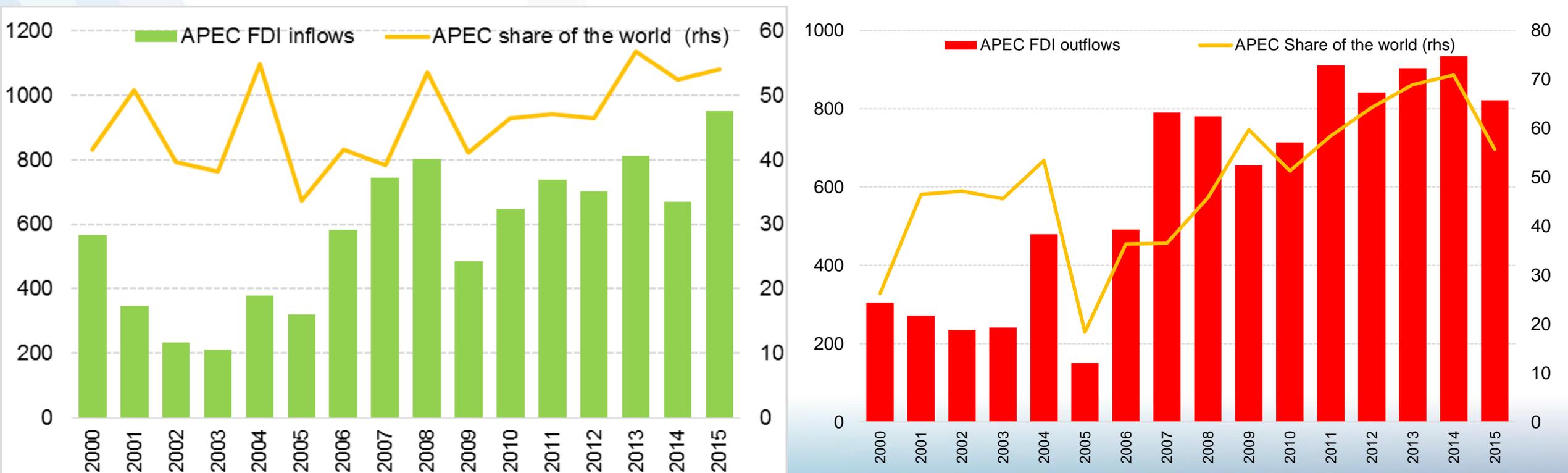
Source: World Trade Organization (WTO), Brunei Darussalam Economic Planning and Development Office and APEC PSU staff calculations.

APEC is the largest recipient of world FDI in 2015



- In 2015, the APEC region attracted USD 953 billion worth of FDI, equivalent to a around 54.1 percent of world FDI and a growth of 42.3% from the 2014 level.

FDI Flows (in billion US dollars) and APEC Share of World FDI (rhs, in %), 2000-2015

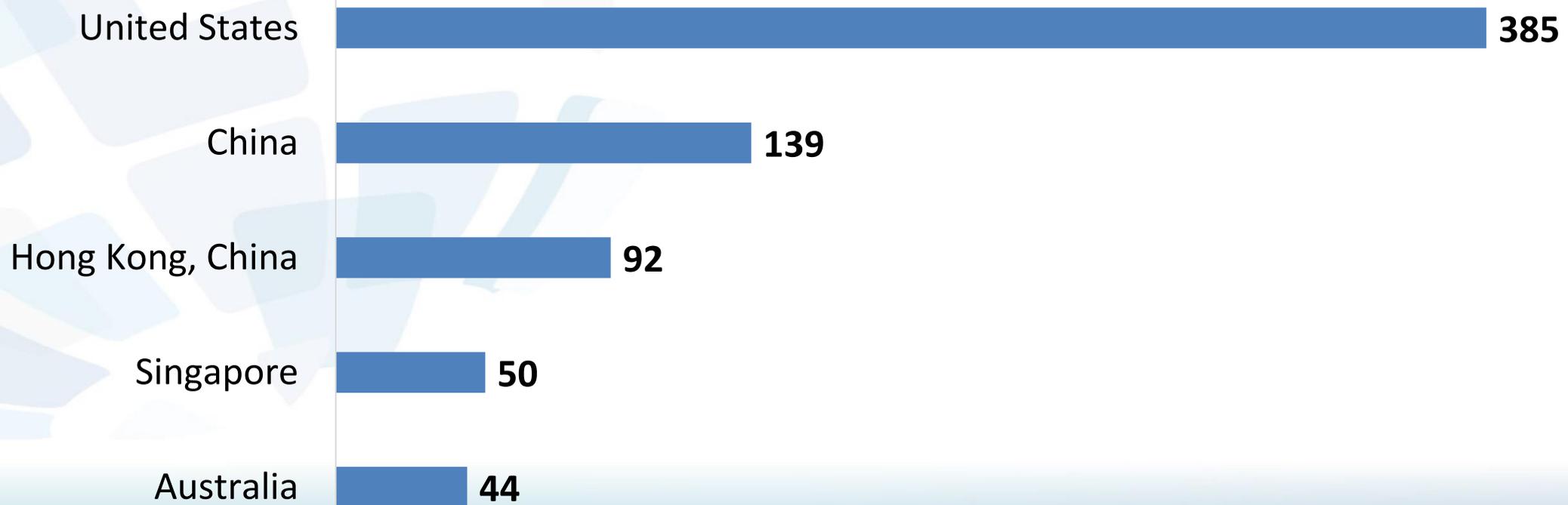


APEC economies comprise the top 10 recipients of FDI in 2016



- Estimated FDI inflows show that five APEC members comprise the top 10 host economies in 2016, along with the UK; Brazil; France; Netherlands; and India.

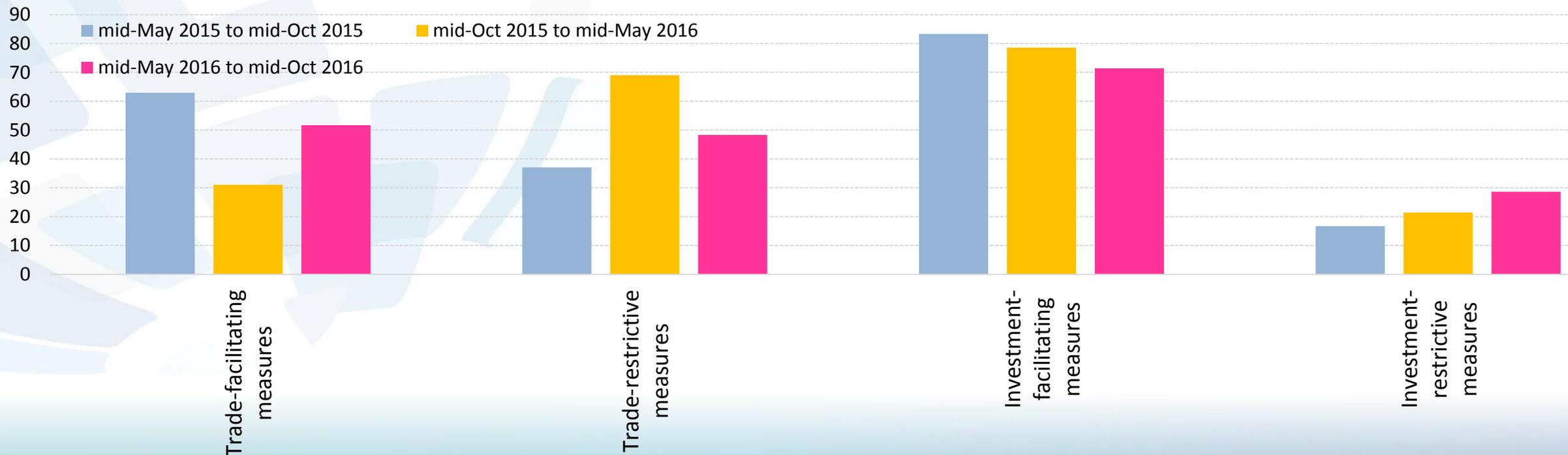
Estimated FDI inflows (in billion USD): Top host economies, 2016



Trade-facilitating measures have increased while investment-friendly measures remain significant

- Trade-facilitating measures are higher than trade-restrictive measures as of latest data.
- Investment-friendly measures remain significantly larger than investment-restrictive measures, but the latter are on an uptrend.

Trade and Investment Measures in APEC (as % of total), 2015-2016



Note: Only nine of the 21 APEC member-economies belong to the G-20, including: Australia; Canada; China; Indonesia; Japan; Korea; Mexico; Russia; and the United States.

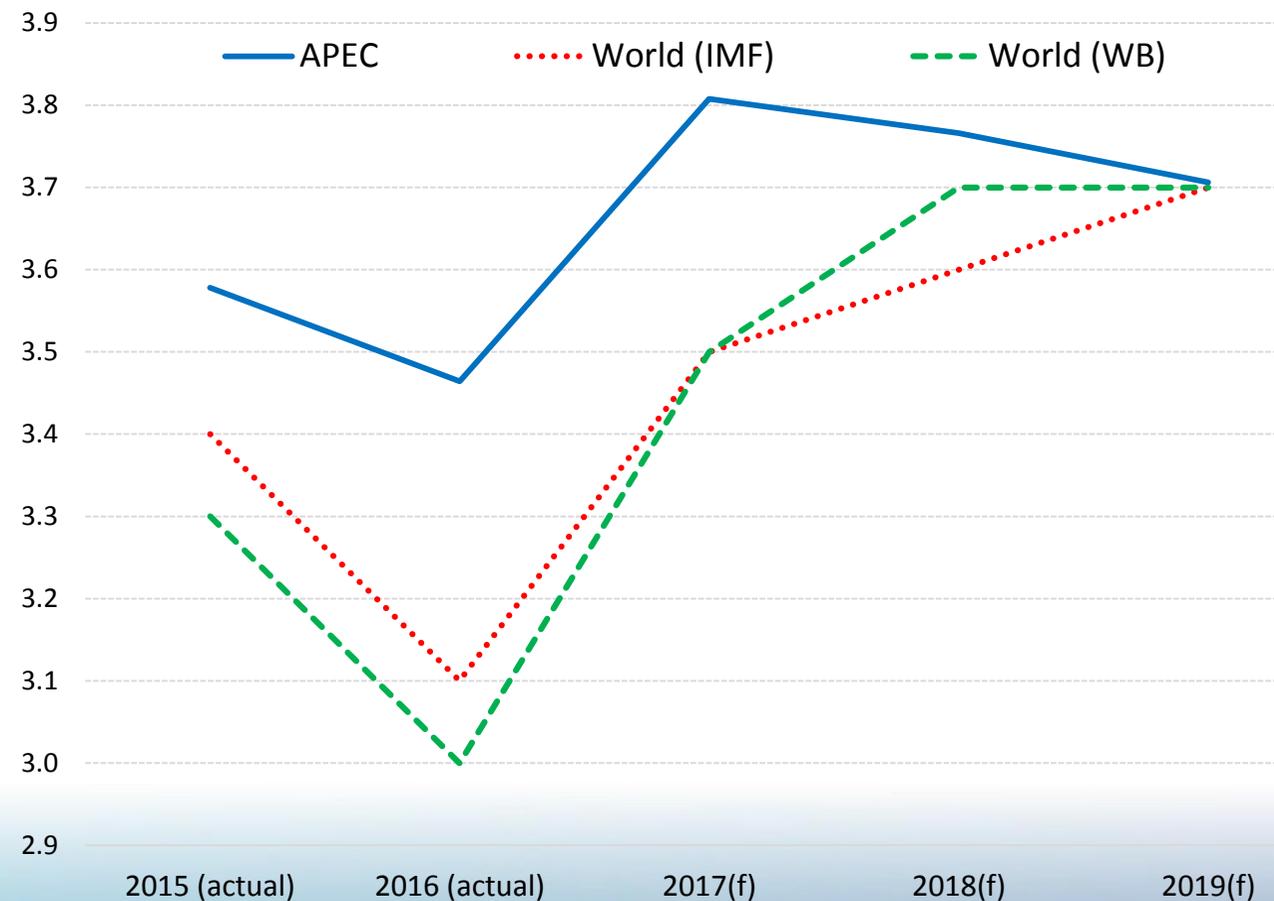
Source: UNCTAD-OECD-WTO Trade and Investment Measures.

Short-term outlook points to higher and more stable growth in 2017-2019



GDP Growth	2015 (actual)	2016 (actual)	2017(f)	2018(f)	2019(f)
APEC	3.6	3.5	3.8	3.8	3.7
World (IMF)	3.4	3.1	3.5	3.6	3.7
World (WB)	3.3	3.0	3.5	3.7	3.7

- APEC posted a higher GDP growth in 2015-2016 compared to world GDP.
- APEC is expected to grow higher at 3.8% in 2017-2018, tapering to 3.7% in 2019, in line with world GDP.
- The upward trend in APEC's GDP growth mirrors the trajectory of world growth.

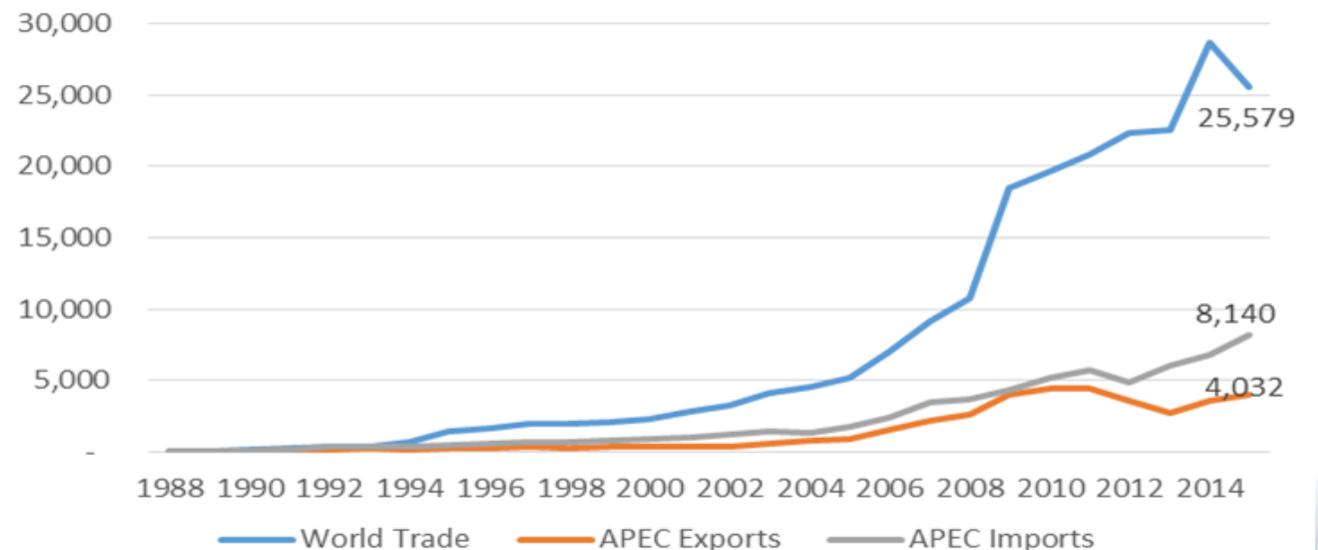


Globalisation: The Good, the Bad, and the Role of Policy

The Good:

- Between 1950 and 2015, the world's output grew at an annual average rate of 3.8 percent.
- APEC's share in world GDP increased from 48.9 percent to 53.9 percent between 1989 and 2015.
- Globalisation contributed to:
 - Economic Growth
 - Increased demand
 - Global value chains
 - Poverty Reduction
 - Job creation
 - Lower prices
 - Better living conditions
 - Access to medicines
 - Access to information
 - Technology sharing

Worldwide trade in vaccines for human use (USD million)

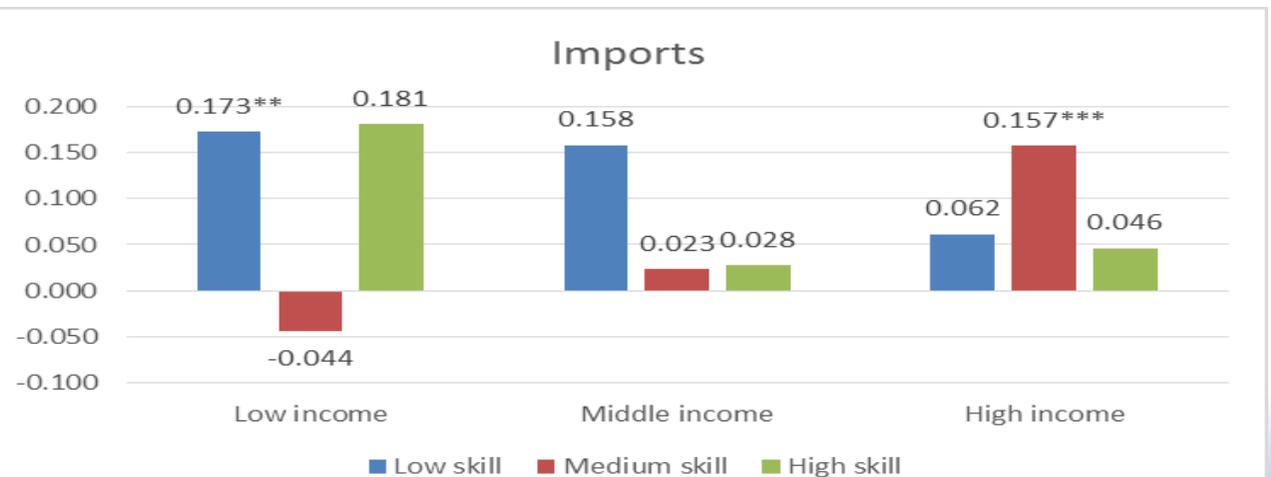


Globalisation: The Good, the Bad, and the Role of Policy

The Bad:

- Lack of inclusive growth
 - Changes in demand for labour
 - Reallocation of resources away from some sectors
 - Changes in demand for skills
 - Skill-biased technological change
- Impact on low- and medium-skill workers

Elasticity of employment (by skill level) with respect to trade



Notes: *** = significant at 95% confidence level; ** = significant at 90% confidence level; * = significant at 85% confidence level.
Source: ILO; IMF; World Bank; Directorate-General for Budget, Accounting, and Statistics (Chinese Taipei) data; APEC PSU calculations.

Globalisation: The Good, the Bad, and the Role of Policy



The Role of Policy:

Domestic policies

- Short-term adjustment policies- Income support and unemployment insurance
- Long-term adjustment policies- Retraining and placement services
- Complementary policies- Access to credit and housing and better infrastructure and education

Regional cooperation

- Greater openness in international markets
- Customised policies to ease local adjustment
- Soft laws: environment, labour standards

APEC'S Role:

- Bogor Goals 1994
 - “Attain sustainable growth and equitable development of APEC economies, while reducing economic disparities among them, and improving the economic and social well-being of our people.”
- APEC Leaders' Growth Strategy 2010 and the APEC Strategy for Strengthening Quality Growth 2015
- Boracay Action Agenda 2015
- APEC Education Strategy 2016
- Structural Reform: LAISR 2004, ANSSR 2010, RAASR 2015

Thank You



Visit us at: www.apec.org

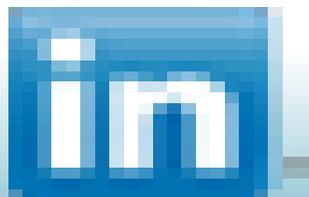
PSU: www.apec.org/About-Us/Policy-Support-Unit.aspx



Like us on Facebook
www.facebook.com/APECnews



Follow us on Twitter
[@APEC](https://twitter.com/APEC)
[@Bollard_APEC](https://twitter.com/Bollard_APEC)



Follow us on LinkedIn
www.linkedin.com

Trade Policy Priorities in an Uncertain Regional Trade Environment

Robert Scollay
New Zealand APEC Study Centre, University of Auckland
Presented at

APEC Study Centre Consortium Conference
Ha Noi, Vietnam, 12-13 May 2017

Outline

- **Sources of Uncertainty**
- **Potential responses**
- **Trade Policy Priorities**
 - **Core Issues**
 - **Contested Issues**
 - **Rally public support for trade and economic integration**
 - **Leverage APEC's unique advantages**

Sources of Uncertainty

- **Anti-globalisation backlash → diminished support for regional integration**
- **Protectionism/nationalism/“nativism”**
- **Challenges to FTAAP**
 - **TPP pathway “out of service”**
 - **RCEP outcome uncertain**
 - **Future of US-China economic relations uncertain**
- **Distracting geopolitical developments e.g. N. Korea**

Potential Responses

- **Consolidate APEC's trade and regional economic integration agenda**
 - **Concentrate on "Bogor goals" as key reference point in APEC's agenda**
 - **Strong focus on core issues**
 - **Seek greater consensus on contested issues**
- **Develop robust/convincing counter-arguments to opponents of trade and integration, highlighting both**
 - **the benefits**
 - **options for mitigating the downsides**
 - **Emphasis on "win-win" against "zero-sum" approaches to trade**
- **Leverage APEC's unique advantages**

Trade Policy Priorities for Addressing Bogor Goals

- **Core Issues**

- **Services**
- **NTMs**
- **Tariffs**
- **Investment**
- **Trade Facilitation (including supply chain facilitation)**

- **Contested Issues (examples)**

- **Electronic Commerce, Digital Trade and Cross Border Data Flows**
- **Dispute settlement (including ISDS)**
- **Intellectual Property**

Core Issues -Services

The Case for Services

Role in Trade

- **Almost 50% (probably more) of global trade on value added basis**
- **Key determinant of manufacturing competitiveness**
 - **Services inputs at every stage of production processes**
- **Key components of trade facilitation**

Role of Services in the Economy

- **Essential contribution to productivity and growth**
- **Vital role in growth model for breaking through Middle Income Trap**

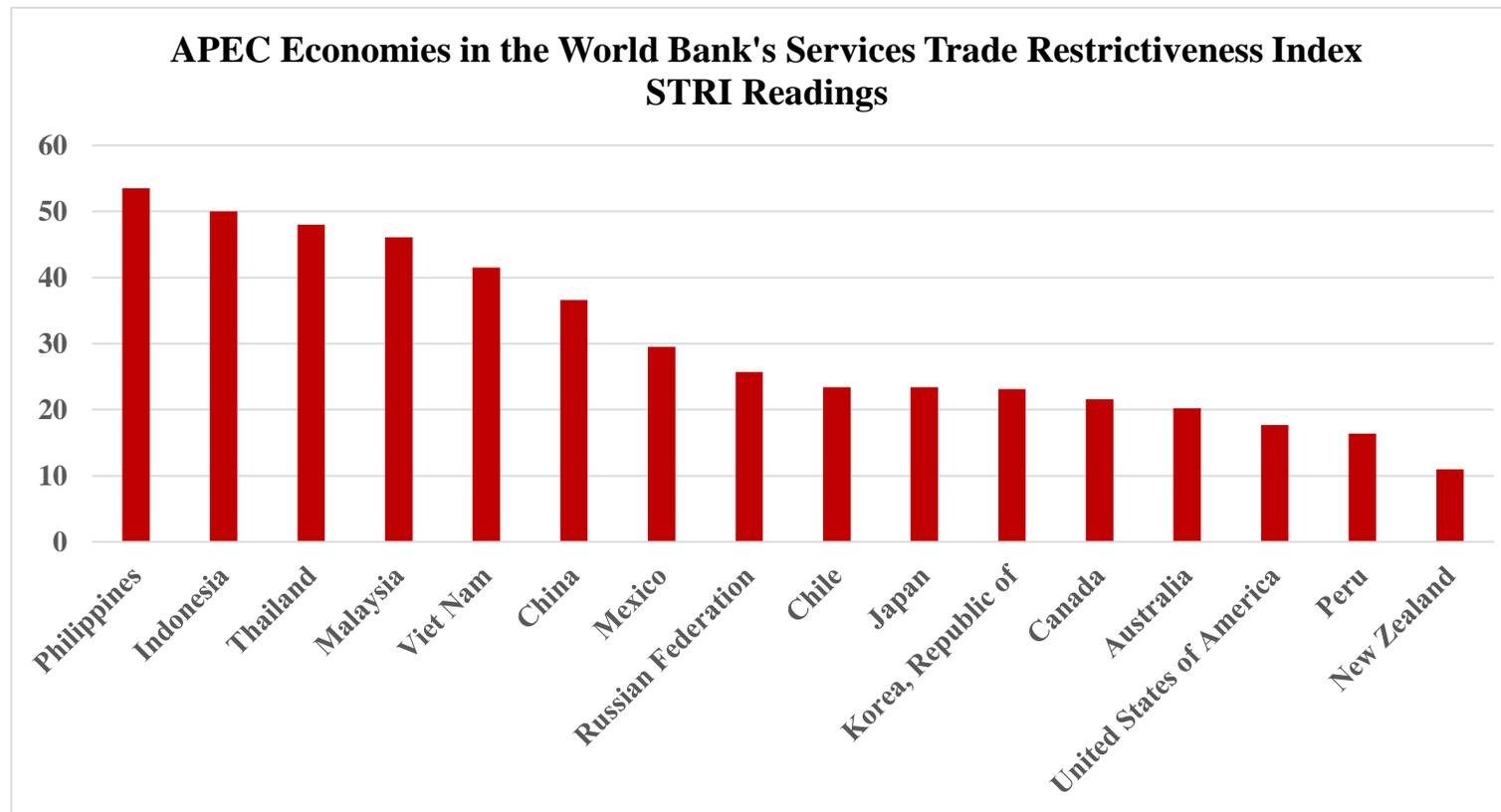
Role in Connectivity

- **Services are the medium for connectivity**

Role in Global Value Chains and Production Networks

- **Key to efficient connection between supply chain links (“service link costs”)**
- **Add value to every link in the chains**
- **Can raise value across the entire supply chain**

Services Trade is Highly Restricted: Services Trade Restrictiveness of APEC Members in the World Bank STRI



Progress on Services Trade Liberalisation Has Been Slow

- **Well-known limitations on effectiveness of WTO's GATS**
- **Some GATS-based FTAs have been shown to be "GATS-minus"**
- **RCEP approach to services understood to be GATS-based**
 - **ERIA study showed very little "GATS-plus" in RCEP precursor agreements**
- **TPP outcome on services was disappointing:**
 - **World Bank assessment: TPP commitments seldom go beyond countries' applied policies.....explicit liberalization resulting from the agreement is limited only to a few countries and a few areas.**
- **Diagnosis: many governments remain unconvinced of economic benefits and political saleability of services trade liberalisation**
- **Remedy: provide concrete evidence of benefits and potential for political saleability (case studies, sharing of experience)**

Ways Forward on Services

- **APEC Services Competitiveness Roadmap is a flagship programme with potential to substantially increase services trade openness**
- **Supported by programmes such as Services Action Plan, Manufacturing Services Action Plan, and sectoral initiatives**
- **Success depends on willingness of governments to implement supporting domestic reforms**
- **Need for ongoing focus on complementary work programmes designed to showcase the economic benefits of services trade liberalisation**

Core Issues – NTMs

The Case for Focus on NTMs

- **Aggregate cost of NTMs greatly exceeds aggregate cost of tariffs (CSS)**
- **NTMs in APEC economies have increased as tariffs have fallen**
(2016 Bogor Goals Assessment)
- **For some sectors of merchandise trade NTMs are now the main form of government intervention**
(OECD)
- **NTMs playing an increasingly central role in shaping international trade patterns**
(UNCTAD)

The Challenge of NTMs

- **The universe of NTMs is very large (UNCTAD's taxonomy identifies hundreds of NTMs)**
 - **Need business input to assist with prioritisation (ABAC)**
- **Assigning costs to specific NTMs (e.g. for prioritisation) is difficult**
 - **Business input again necessary**
- **NTMs (unlike tariffs) cannot be reduced to zero**
 - **Some serve legitimate purposes and some may be welfare-enhancing**
 - **Separating legitimate from protectionist purposes not always easy**
 - **Legitimate purposes may be achieved at lower costs but cost-saving difficult to estimate**
- **Links between specific NTMs and specific trade agreement provisions often difficult to establish**
- **Issues in credibility and monitoring of commitments**
- **Problems in establishing credible estimates for trade modelling purposes**
- **Sector-specific approach may be realistic/pragmatic but may also create distortions**

Conclusion:

- **scope for substantially increased APEC attention to NTMs**
- **Input from ABAC and other business groups will be essential**

Core Issues - Tariffs

- Tariffs have fallen in the APEC region but agricultural tariffs remain higher and “peak tariffs” persist
- Average tariffs of APEC members now relatively low

→ **Stylised fact?: tariffs don't matter any more?**

- But retention of small number of very high peak tariffs can substantially affect the benefits from trade liberalisation

Case Study: modelling of TPP outcome

- TPP agreement provides for elimination for 96-100% of tariff lines (98-100% for most member)
- Almost all exceptions are in agriculture (often involving very high peak tariffs)
- Modelling shows that retention of small number of very high peak tariffs can dramatically affect benefits from trade liberalisation for both exporting and importing countries
 - 70% reduction in benefits for one exporting country, 35-60% reduction for some exporting countries

Conclusion:

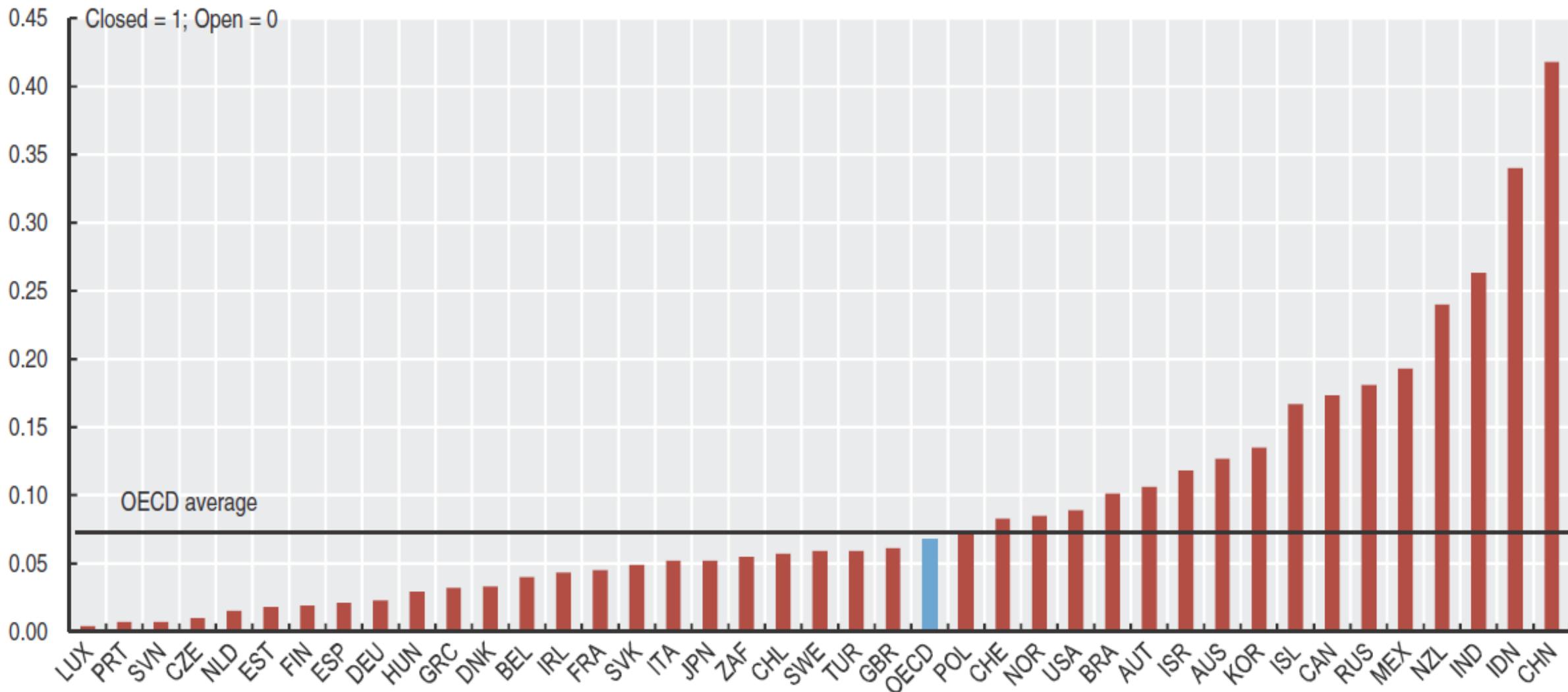
- APEC should not ignore remaining high tariffs in agriculture
(NTMs also tend to be higher in agriculture than in other sectors)

Core Issues - Investment

- **Bogor goals 2016 progress report notes “efforts to improve investment conditions”**
- **But OECD 2014 regulatory restrictiveness index suggests APEC region may lag behind other leading regions**
 - **APEC members comprise**
 - **9/17 economies with restrictiveness above OECD average (including 8/10 with the most restrictive index reading)**
 - **2/23 economies with restrictiveness below OECD average**
- **ERIA’s FTA Mapping Study also indicated substantial FDI restrictiveness in ASEAN economies**
- **APEC’s work programme on investment needs to focus on potential ways to reduce FDI restrictiveness**

FDI regulatory restrictiveness index

2014



Source: OECD

Core Issue: Trade Facilitation including Supply Chain Facilitation

- **APEC's successful record on trade facilitation should equip it well to advance supply chain issues**
- **Supply chain dimension exists for all trade and investment issues**
- **APEC has developed extensive programmes in this area e.g.**
 - **Facilitating global supply chains**
 - **Supply chain connectivity**
 - **Facilitating SME participation in supply chains**
 - **Manufacturing-related services in supply chains and value chains**
- **This area of work must continue to be developed and enhanced, and linked as appropriate to relevant work programmes on trade and investment issues**

Contested Issues: E-Commerce, Digital Trade and Cross-Border Data Flows

- **E-Commerce/Digital Trade will inevitably increase its importance in regional trade flows**
- **Cross-border data flows a crucial but contentious issue**
 - **Free flow of data viewed as essential by many business interests**
 - **Governments must address concerns related to personal information protection, consumer protection, and cyber-security also**
 - **TPP “compromise” reflected a lack of consensus among member economies**
 - **Free flow of data the default requirement, but qualified by provision for exceptions on public policy grounds**
- **Essential for APEC to continue its work toward building consensus and capacity on approaches to the challenges of digital trade**

Contested Issues: Dispute Settlement (DS) and Investor State Dispute Settlement (ISDS)

- **TPP chapter on Dispute Settlement (DS) as a possible model?**
- **Investor-State Dispute Settlement (ISDS) proved extremely contentious in TPP negotiations with political opposition continuing despite substantial concessions to public opinion in the agreed text**
- **Potential for a substantial APEC work programme on ISDS, exploring effective approaches to achieving balance between investor protection and public policy concerns**

Contested Issues: Intellectual Property

Need a principles-based framework

- **welfare maximisation as the objective**
- **crucial difference between trade liberalisation and intellectual property protection**
 - **trade liberalisation: more liberalisation generally improves welfare**
 - **IP: welfare is maximised by optimising level of IPR protection**
 - Too little reduces welfare → insufficient innovation
 - Too much reduces welfare → excessive capture of monopoly rents
→ limits on access to ideas, information

Need to develop

- **Paradigm based on optimisation rather than maximisation of IP protection**
- **Empirical resources to allow quantification of effects of competing proposals**

The Essential Condition: Building Support for Trade

- **Need to highlight more effectively**
 - **Benefits of trade and regional economic integration**
 - **Case Study approach?**
- **Trade as “win-win” rather than “zero-sum”**
- **Potential ways to mitigate adverse impact**
 - **Taking seriously the concerns of those adversely affected**
 - **Ensure that all sections of the community share in the benefits of trade**
 - **Increased focus on APEC’s “inclusive growth” agenda**
 - **‘connectivity’ and pro-MSME policies as means of transforming exclusion into inclusion**
 - **Structural reform as a process to enhance community well-being as well as economic efficiency**

Leveraging APEC's Unique Advantages

- **Utilise**

- **APEC's strengths in consultation, sharing experiences, consensus building, capacity building**
- **Advantages of non-negotiating, non-threatening environment**

- **Develop**

- **Effective mechanisms for communicating messages to communities in APEC economies**

Thank you!

谢谢 **ありがとう** **감사합니다**

ขอบคุณครับ

terima kasih

Cám ón anh

¡muchas gracias!

Maraming salamat

Tenkyu tru

спасибо

Trends towards reducing trade costs: Comparing multilateral and regional commitments in Trade Facilitation

Tham Siew Yean

Senior Fellow

ISEAS-Yusof Ishak Institute

ISEAS YUSOF ISHAK
INSTITUTE

Outline

- ❖ Trade costs and trade facilitation
- ❖ WTO Trade Facilitation Agreement
 - ❖ Background
 - ❖ Core provisions
 - ❖ Notice for implementation
- ❖ Trade Facilitation in ASEAN
 - ❖ Objectives, scope and work programs
- ❖ Synergies between WTO and ASEAN Trade Facilitation
- ❖ Conclusion

Trade costs and Trade Facilitation measures

- Trade facilitation measures aim to simplify and streamline international trade procedures to allow for the easier flow of trade across borders and thereby reduce the costs of trade.
- Within this broad understanding, there can be different definitions of trade facilitation based on different set of policies that can affect the cost of exporting and importing.
 - It can be narrowly defined as improving cross border administrative measures or more broadly to include behind the border measures, including infrastructure, institutional transparency, good governance, and domestic regulations.
- Empirically, the impact of improvements in trade facilitation on trade performance is an increasingly popular research area in the last ten years.
- Two main conclusions can be tentatively drawn from this body of empirical work:
 - For partial equilibrium analysis using for example the gravity model, the gains on export performance from improved trade facilitation measures that are narrowly defined are less than that compared to improvements in regulatory environment, or transport and communication infrastructure.
 - Second, general equilibrium models on the impact from improved trade facilitation on real income, indicate that the gains can be substantial. For example, global GDP can increase by almost 5 per cent if national facilitation performance is raised to halfway of global best practice. Developing countries in Asia also reportedly stand to benefit the most from trade facilitation reforms.

WTO TFA

- The Trade Facilitation Agreement [entered into force on 22 February 2017](#) when the WTO obtained the two-thirds acceptance of the Agreement from its 164 Members.
- 118 WTO Members have domestically ratified a [Protocol of Amendment](#) and notified the WTO of their acceptance of this Protocol.
- This Protocol of Amendment, which was officially opened for acceptance on 27 November 2014, will insert the Agreement on Trade Facilitation into the [WTO Agreement](#).
- Full implementation of the TFA is expected to slash members' trade costs by an average of 14.3 per cent, with developing countries having the most to gain.

WTO TFA: Continued

- The objective of the TFA:
 - To facilitate the movement, clearance and release of goods through more efficient customs and border procedures.
- The TFA has three sections:
 - **Core provisions:** 35 technical measures that impose obligations on WTO members to:
 - (1) increase **transparency**;
 - (2) improve **governance** through disciplines on rule and decision-making processes;
 - (3) implement **streamlined and modernised border procedures and control techniques**; and
 - (4) enhance the **movement of goods in transit**.
 - **Special and Differential treatment:**
 - Developing and LDCs have more time and assistance to implement agreement
 - Implementation is divided into three categories:
 - Category A Commitments - The most developed WTO Members must implement upon entry into force or after one year for LDCs;
 - Category B commitments will be implemented after a certain transitional period following the entry into force.
 - Category C contains measures that member countries not only require a transitional period for implementation for, but also capacity building assistance.
 - **Institutional arrangements:**
 - Administering the TFA such as Committee on Trade Facilitation

WTO TFA: Continued

- Special Features of TFA:
 - Core provisions – binding and non-binding (i.e.. encourage rather than oblige members);
 - For the first time in WTO history, the commitments of developing and least-developed countries are linked to their capacity to implement the TFA;
 - Agreement states that assistance and support should be provided to help countries achieve that capacity - WTO Trade Facilitation Agreement Facility
 - Under the Agreement, WTO “donor members” agree to facilitate the provision of assistance and support for capacity building “on mutually agreed terms either bilaterally or through the appropriate international organizations.”
 - the Agreement does not mandate that donors provide this assistance or define a process to match donors with countries requiring assistance, but leaves it to the respective members to work these arrangements out among themselves.

WTO TFA: Continued

- Core provisions: 12 articles

Articles	Articles
1. Publication and Availability of Information	7. Release and Clearance of Goods
2. Opportunity to Comment, Information Before Entry into Force, and Consultations	8. Border Agency Cooperation
3. Advance Rulings	9. Movement of Goods Intended for Import under Customs Control
4. Procedures for Appeal or Review	10. Formalities Connected with Importation, Exportation, and Transit
5. Other Measures to Enhance Impartiality, Nondiscrimination, and Transparency	11. Freedom of Transit
6. Disciplines on Fees and Charges Imposed on or in Connection with Importation and Exportation and Penalties	12. Customs Cooperation

ASEAN members: Summary of notice for implementation

ASEAN member state	% of measures that will be fully implemented
Brunei	86
Cambodia	0 (ratified but has not notified measures for implementation)
Indonesia*	9
Laos	36
Malaysia	94
Myanmar**	0 (ratified but has not notified measures for implementation)
Philippines	78
Singapore	100
Thailand	83
Vietnam	33

Note: Indonesia has not yet ratified

Source: <http://www.pwccustoms.com/en/recent-developments/assets/sg-wto-trade-facilitation-agreement.pdf>

** Myanmar data extracted from <https://www.tfadatabase.org/members/myanmar>

Other developing APEC members: Summary of notice for implementation

Country	% of measures that will be fully implemented
Chile**	93
China	89
Mexico**	100
Papua New Guinea**	21
Peru**	61

Source: <http://www.pwccustoms.com/en/recent-developments/assets/sg-wto-trade-facilitation-agreement.pdf>

** Data extracted from WTO <https://www.tfadatabase.org/members>

ASEAN Trade Facilitation Measures

ASEAN Trade Facilitation Framework, 2008

Objectives

- Competitive, efficient, and seamless movement of goods
- Minimize impact of NTMs, eliminate NTBs
- Active engagement of private sector,
- Address gaps in implementation,
- Enhance Institutional coordination,
- Improve monitoring mechanisms
- Promote Implementation of TF measures

Scope

- Customs and transport facilitation,
- Transparency of trade regulations and procedures,
- Standards and conformance
- Private sector engagement

Work Programs

- Non-tariff measures
- ATIGA Rules of Origin
- ASEAN Customs Integration
- Standards and Conformance

ASEAN Economic Community 2025 Consolidated Strategic Action Plan

- The ASEAN Economic Community (AEC) Blueprint 2025 was adopted by the ASEAN Leaders in 2015 as part of the *ASEAN 2025: Forging Ahead Together*.
- The new Blueprint incorporates and carries forward the work of the AEC Blueprint 2015, which was adopted in 2007, and charts the broad trajectories of ASEAN economic integration from 2016 to 2025 following the formal establishment of the AEC on 31 December 2015.
- The AEC Blueprint 2025 aims to strengthen and reinforce the following **five characteristics** of the ASEAN Economic Community by 2025:
 - (a) A Highly Integrated and Cohesive Economy;
 - (b) A Competitive, Innovative, and Dynamic ASEAN;
 - (c) Enhanced Connectivity and Sectoral Cooperation;
 - (d) A Resilient, Inclusive and People-Oriented, People-Centred ASEAN; and
 - (e) A Global ASEAN
- To achieve these characteristics, strategic measures as operationalised by key action lines¹ will be pursued by relevant ASEAN sectoral bodies through their corresponding sectoral work plans.
- The Consolidated Strategic Action Plan (CSAP) complements the AEC 2025 Blueprint by listing the key action lines that will be implemented in pursuit of ASEAN economic integration from 2016 to 2025.
- In the entire CSAP document, the topic of trade facilitation receives the most extensive coverage.
 - It spans a total of four pages with 31 key action lines.

Consolidated Strategic Action Plan

- Accelerate and Deepen the Implementation of Trade Facilitation Measures
- Trade in Goods
 - ✓ *Enhancing the ATIGA Trade Facilitation Measures*
 - Support the adherence to Trade Facilitation provisions under the ATIGA and the WTO TFA
 - Explore improved disciplines in ATIGA on Trade Facilitation, especially for micro, small, and medium enterprises (MSMEs)
 - Strengthen the implementation monitoring mechanism of the Trade Facilitation measures
 - ✓ *Operationalise Trade Facilitation platforms*
 - Full operationalisation of the ATR/NTR, ASEAN Single Window (ASW), Tariff Finder, ASEAN Solution for Investment, Services and Trade (ASSIST)
 - Optimising ATR in facilitating intra ASEAN trade including hyper-linking to ASW Web Portal
 - Effective implementation of ASSIST
 - Conduct consultations between CCA and ASWSC to enhance the ASW.
 - Encourage the utilisation of existing Trade Facilitation platforms, such as ASW, ATR and ASSIST.
 - ✓ *Deepen public and private sector engagement*
- Customs
 - ✓ Promote trade facilitation by streamlining and simplifying border procedures e.g. **through the full implementation of the ASEAN Single Window** to facilitate the exchange of cross-border documents as well as promoting WTO Trade Facilitation Agreement implementation
 - ✓ Promote ASEAN Connectivity through **the implementation of the ASEAN Customs Transit System** along the North-South and East-West Corridor

Exploring synergies between WTO and ASEAN: Transparency

- WTO TFA: Article 1 - Publication and Availability of Information
- ASEAN Trade Facilitation Platforms:
 - *The ASEAN Trade Repository (ATR)*
 - aims at providing transparency on the trade and customs laws and procedures of all ten AMS.
 - The actual information is web-linked to the ATR from a network of National Trade Repositories (NTRs), which are the domestic portals maintained by each AMS.
 - The ATR is the electronic interface through which the public can freely access the information available on the NTR of each AMS.
 - The ATR is maintained by the ASEAN Secretariat and can be accessed at this:
http://atr.asean.org/links/result?level=2&id_topic1=45&id_topic2=&country_code=kh&key=
 - The ASEAN Trade Repository contains trade related information such as:
 - Tariff nomenclature
 - MFN tariffs
 - ROO
 - NTMs
 - National trade and customs laws and rules
 - Procedures and documentary requirements
 - Administrative rulings
 - Best practices in trade facilitation applied by each Ams
 - List of authorized traders of AMS

(The Authorised Economic Operator or AEO refers to operators involved in the movement of goods along the international trade supply chain who have achieved the required security standards and are accredited by the member country)

Exploring synergies between WTO and ASEAN: Transparency

- ASEAN Trade Facilitation Platforms (Continued) :
 - ASEAN Solution for Investment, Services and Trade (ASSIST) :
 - ASSIST is a non-binding and consultative mechanism for the expedited and effective solution of operational problems encountered by ASEAN-based Enterprises on cross-border issues related to the implementation of ASEAN economic agreements and within the framework of the ASEAN Economic Community (AEC) launched in 2015.
 - ASSIST can be accessed on this website: assist.asean.org
 - ASSIST enables the business sector to interact directly with ASEAN Member States to fully implement the ASEAN economic agreements in line with the AEC Blueprint 2025.
 - It will initially be available only to address cross-border problems to trade in goods and will subsequently be extended to cover trade in service and investments issues.
 - ASSIST was developed in partnership with the “ASEAN Regional Integration Support from the EU” project (ARISE).

Some Discussions

- ASSIST is non-binding and not user-friendly
- Need for transparency and sharing of information in WTO FTA and ATR.
 - The ATR requires participating countries to be willing to publish information on their import and export procedures and documentary requirements (make it easily available online and these adhere with WTO (TFA Art 1.1 and 1.2).
 - Yet these WTO articles have only received the commitment of 6 out of 10 ASEAN members.
 - TFA database indicates that Indonesia has only notified 3 measures, none of which directly relates to the sharing of information. Even if they did, the fact that Indonesia has not ratified the TFA means that obligations may not commence for a while. Conversely, Cambodia and Myanmar have ratified the TFA, but have not fully or partially notified of a single measure.
 - The WTO TFA commitments cast some doubt on whether all of the ASEAN countries can truly commit to all the promises made in the CSAP.
 - The CSAP is narrower and covers fewer countries and can therefore count on better implementation.
 - The key action lines that start with the more definitive verbs (operationalise, implement, conduct) should provide better traction than those that start with less definitive ones (explore, support, encourage). For the former, it is good to see a commitment to strengthen the implementation monitoring mechanism by next year.

Single Window: Comparing TFA and ASEAN

- Article 10.4 on single window of WTO TFA is **non-binding** (best endeavor);
- Yet based on WTO's assessment of the implementation of the TFA, technical measures of the Agreement that are considered by developing and least developed countries to be the highest priority for technical assistance and support for capacity building are:
 - **single window**, border agency coordination, authorised operator, risk management and advance rulings.
 - Why is this so?
 - It is not necessarily because they are the most challenging to implement.
 - “No country is starting from scratch. All WTO members that completed a needs assessment are fully compliant with some of the measures. Most countries are already fully implementing, or in the process of implementing, a good number of the measures, often with donor support. In many cases a measure might be considered a high priority because it is already part of the country's modernization programme and/or is in high demand from traders”.
 - AMS are already committed to the ASW and are implementing certain measures but see this as an opportunity to expand or improve their existing programmes.

Source: https://www.wto.org/english/res_e/booksp_e/aid4trade15_chap4_e.pdf page 115

Single Window: Comparing TFA and ASEAN

- ASEAN Single Window:
 - The Agreement to establish and implement ASW signed in 2005;
- The ASEAN Single Window (ASW) is a regional initiative that connects and integrates National Single Window (NWS) of ASEAN Member States.
- The ASW's objective:
 - To expedite cargo clearance and promote ASEAN economic integration by enabling the electronic exchange of border documents among ASEAN Member States.
- Indonesia, Malaysia, Singapore, Thailand and Vietnam are now using the ASW to exchange electronic certificates of origin.
- Once the Protocol for the Legal Framework to implement the ASEAN Single Window is fully ratified, the electronic certificates will be used for assigning preferential tariff rates under ATIGA and further expedite the customs clearance of goods between the participating ASEAN Member States in the ASW.
 - Other ASEAN Member States are at the different stages of preparation and will join thereafter when they are ready.
- ASEAN Member States are working to expand the ASW to support the exchange of export declaration information through the ASEAN Customs Declaration Document (ACDD) data to support Member States' Risk Management System and exchange of electronic Phyto-sanitary certificates.
 - In the future, the ASW may also be used to exchange other documents such as cargo documentation, shipping manifests and other port or transport documents.

Freedom of Transit

- WTO TFA includes a specific article on freedom of transit, and strengthens the key principle of freedom of transit as defined by Article V of the General Agreement on Tariffs and Trade (GATT).
 - Article 11 introduces transit measures that have minimum documentation requirements and formalities, and the requirements for transit guarantees.
 - Out of the 17 disciplines, two are not binding
- **ASEAN Customs Transit System (ACTS)**
 - The ASEAN Framework Agreement on the Facilitation of Goods in Transit (AFAFGIT) signed on 16 December 1998 in Ha Noi, Viet Nam: - Protocol 7 to AFAFGIT and its Technical Appendix establish the legal and technical provisions for the operation of ACTS to operate as an effective and efficient Customs transit system within ASEAN Member States
 - ACTS is a harmonized and fully computerized customs transit management system for the control of movement of goods in transit through the AMS:
 - It is based on 5 key elements:
 - ✓ Fully computerized;
 - ✓ System open to all authorized traders;
 - ✓ Risk Profiling System: To allow reliable traders exemptions from a range of standard requirements
 - ✓ One guarantee valid in all countries to cover the goods throughout the entire journey
 - ✓ Single regional customs document for transit
 - ACTS Pilot - The system will be piloted in Malaysia, Singapore and Thailand in late 2016 and early 2017.
 - ASEAN REGIONAL INTEGRATION SUPPORT FROM THE EU 2013-2016 (ARISE) has produced ACTS procedural manuals for Customs, Transport and the private sector, and have provided procedural training for Government and private sector stakeholders in these sectors.
 - Once the pilot phase is over, the system will be fully rolled out on the pilot countries, and plans will be made to roll the system out in Cambodia, Laos PDR, Myanmar and Viet Nam.
 - In a subsequent phase, Brunei, Indonesia and Philippines may join the system, if a business need exists.

Conclusion

- Many of the ASEAN platforms and initiatives are, in principle, great ideas.
- If full implementation of the above becomes a reality, there could be considerable reductions in compliance costs on the part of traders. Increased regulatory transparency, predictability and efficiency would likely save traders vital time, effort, and resources.
 - Striking a balance between “flexibilities in implementation” of transit procedures and achieving uniformity
 - Role of technical assistance
 - Actual implementation – proper follow through from regional commitments to national level implementation
 - Take into account different state of readiness of AMS – pilot project approach, differentiated timeline, etc
 - Need strong institutional capacity (ASEAN Secretariat) to support implementation of TF measures
- There are obvious synergies between WTO FTA and ASEAN trade facilitation plans
 - Need AMS to commit to both and to implement both for the synergies to work well.



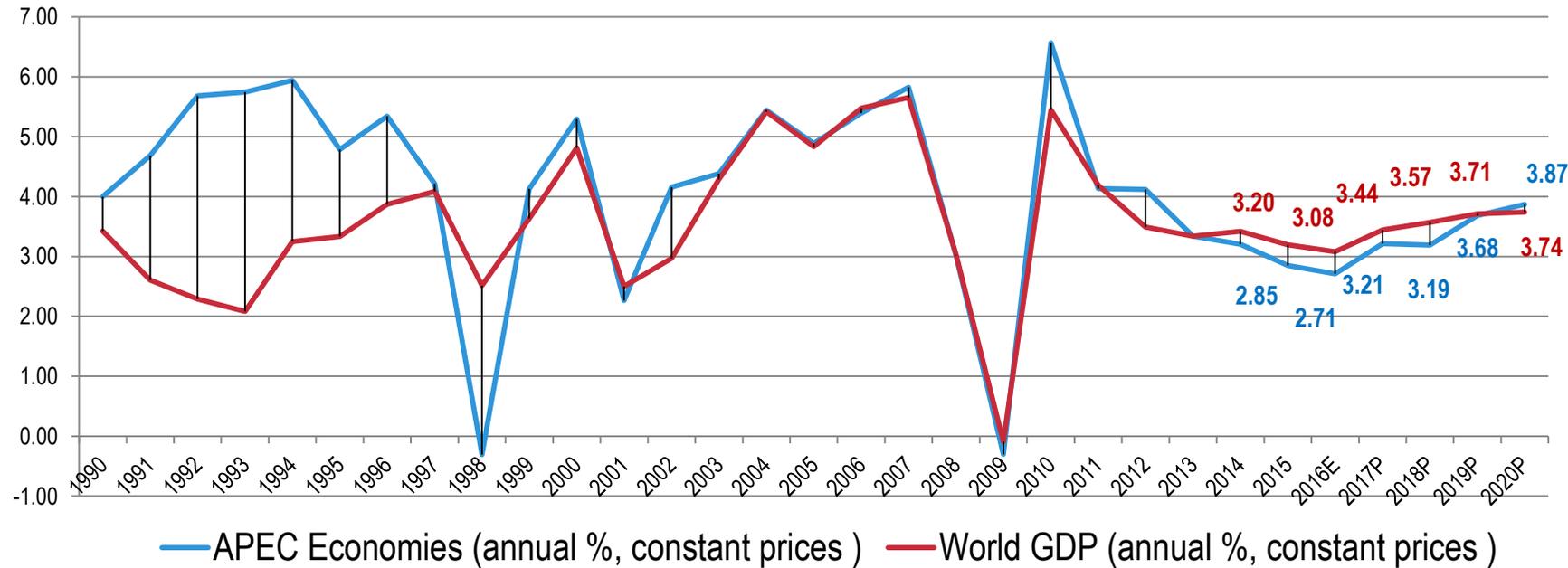
CHALLENGES AND OPPORTUNITIES FOR ECONOMIC GROWTH AND TRADE IN THE APEC REGION: *undisclosed potential*



Prepared by Russian APEC Study Center:
Ksenia Proka, Nikita Pyzhikov

■ ECONOMIC GROWTH SLOWDOWN

APEC economies' and global GDP growth



Source: IMF World Economic Outlook database, October 2016

APEC Economies

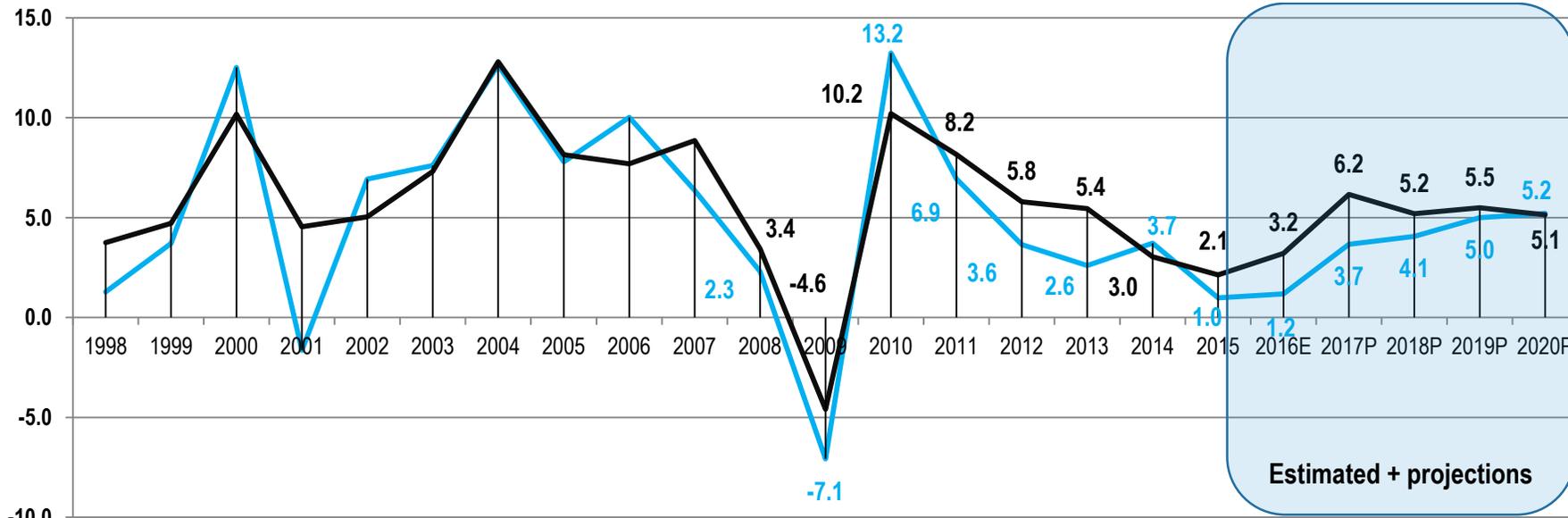
APEC economies suffer from a sharper economic growth decline – **2.71 per cent in 2016**

World

Global economic growth is estimated to have **fallen to 3.08 per cent in 2016** which is the weakest performance since the global financial crisis

TRADE SLOWDOWN

APEC economies' and global exports of goods and services



- APEC economies exports of goods and services (annual % growth)
- World exports of goods and services (annual % growth)

Source: IMF World Economic Outlook database, October 2016

APEC Economies

In 2015 the growth rate of member economies exports for the first time since the financial crisis, fell below the global average and amounted for 1%

World

Since 2012 world trade has been growing at a significantly lower rate than during the pre-crisis period - about 3% per year

■ Why international trade has been growing at a slower pace recently?

CYCLICAL FACTORS: economic crises may severely influence trade growth and such influence may go well beyond crisis periods (Abiad et al, 2014)

CHANGE IN INCOME-TRADE RELATIONSHIP: in 1990-s, the growth of global real GDP by 1 per cent contributed to the growth of international trade by 2.4 per cent, in 2000-s the same GDP growth caused only 1.2 per cent of trade growth. Possible cause - *the slowdown of international fragmentation process* (Constantinescu, Mattoo, Ruta, 2015).

THE RISE OF UNCERTAINTY IN THE WORLD: there is strong correlation between uncertainty in importer markets and countries' exports to these markets even when controlling for potentially confounding factors such as financial constraints and reductions in wealth. After a certain threshold the marginal increase in uncertainty has greater negative effects on trade (Taglioni and Zavacka, 2013)

■ Slower trade growth: new normal?

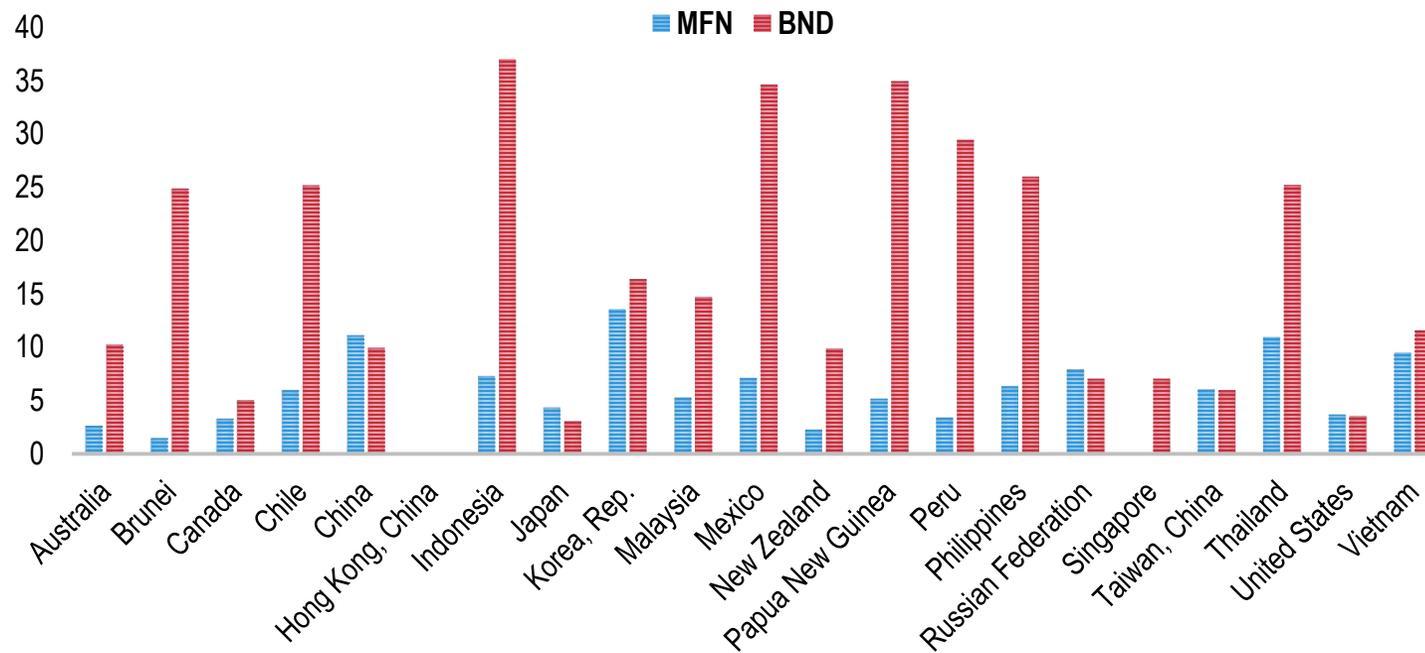
PAUL KRUGMAN: faster growth of trade in the past was caused by several factors

- Since 1950 up to 1970 it was simply that global trade was returning to the levels of trade relative to output that prevailed before World War I
- High levels of long-term elasticity of trade to income is a result of structural changes that took place after World War II: two waves of liberalization and formation of global value chains
 - While it may be true, one may hardly argue that there is lack of potential for future liberalization
 - Although there is no direct evidence of protectionists measures being a reason for international trade slowdown, the data suggests there was little liberalization during post-crisis period. **Tariff and non-tariff barriers remain**



TARIFF PROTECTION

Average applied MFN tariffs and tariff bindings in APEC, by country (2015)

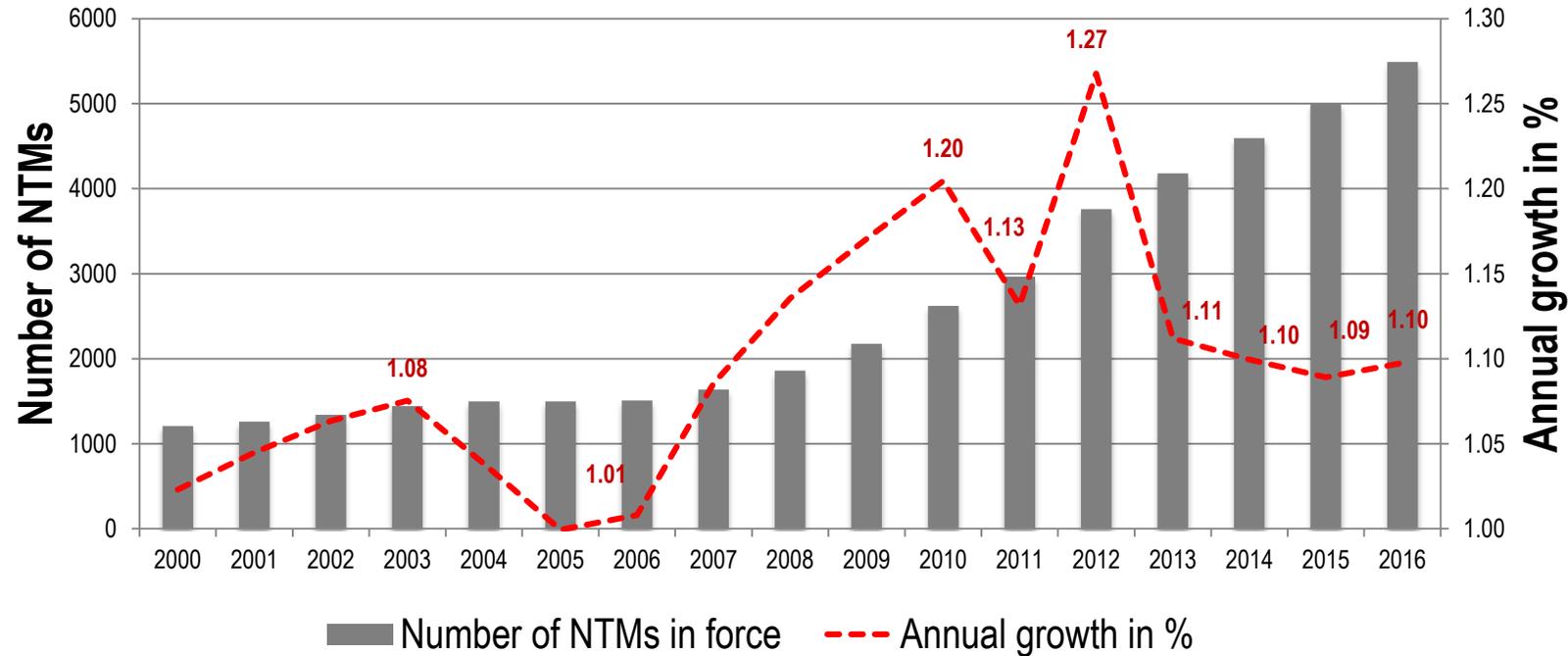


Source: WITS Database

While the average level of applied tariff by APEC economies is not high, one of the factors that may impede intra-APEC trade is a **high level of tariff overhang**. Uncertainty caused by high levels of overhang has a negative impact on exports (Handley, 2014) while **the elimination of tariff overhangs increases the probability of exporting by 12 percent** (Osnago et al, 2015)

■ Increasing role of non-tariff barriers (trade in goods)

Number of NTMs applied by APEC members



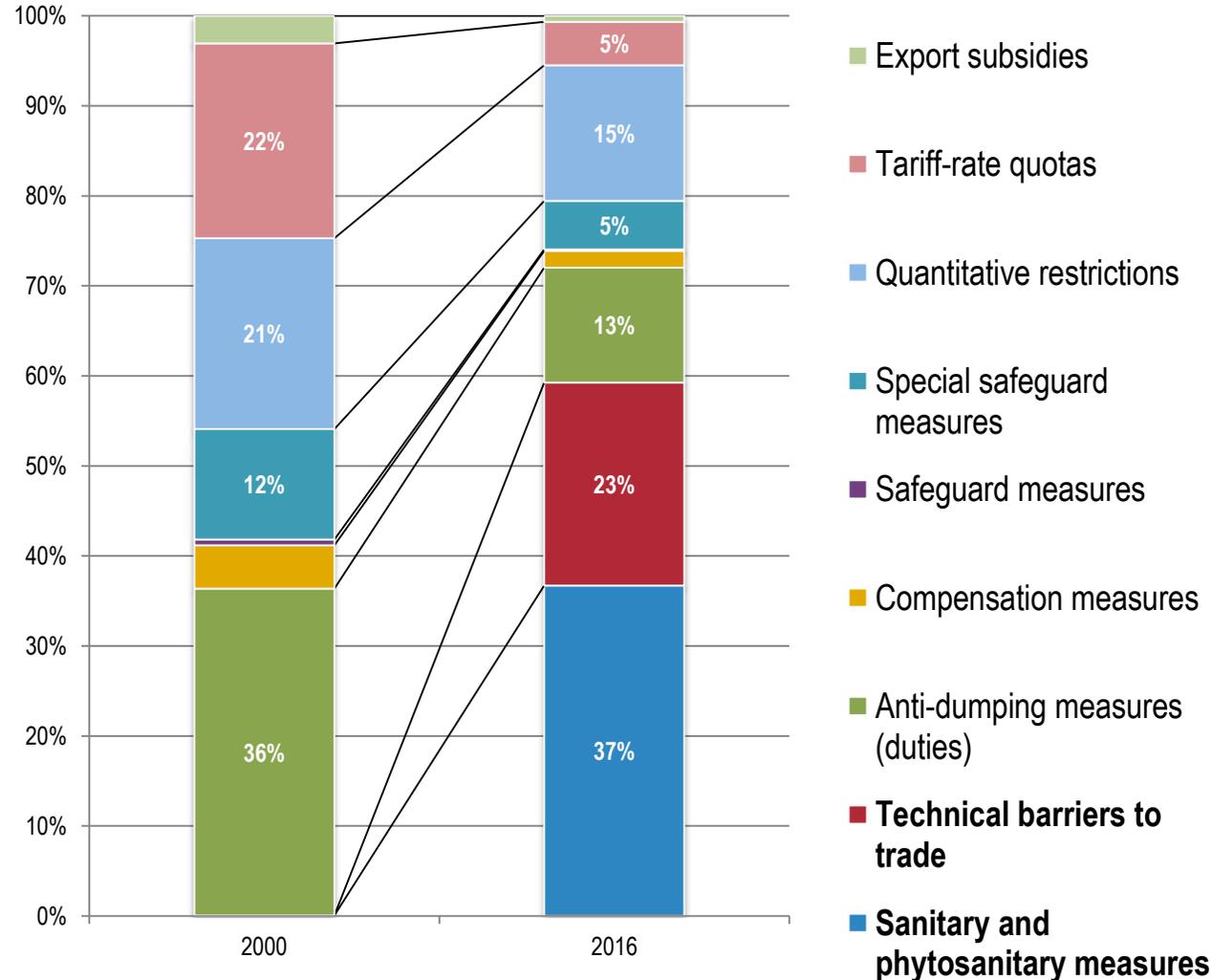
Source: Integrated Trade Intelligence Portal (I-TIP) Goods

The number of NTMs applied by WTO members in merchandise trade has increased **from 3.2 to 10.4 thousand measures** from 2000 to 2016.

According to the New Zealand Institute of Economic Research, the weighted average ad valorem equivalent (AVE) of NTMs applied to merchandise trade in the APEC region accounts for 9.7 per cent. or **790 billion dollars per year**

Increasing role of non-tariff barriers (trade in goods)

Changes in the structure of NTMs applied by APEC economies

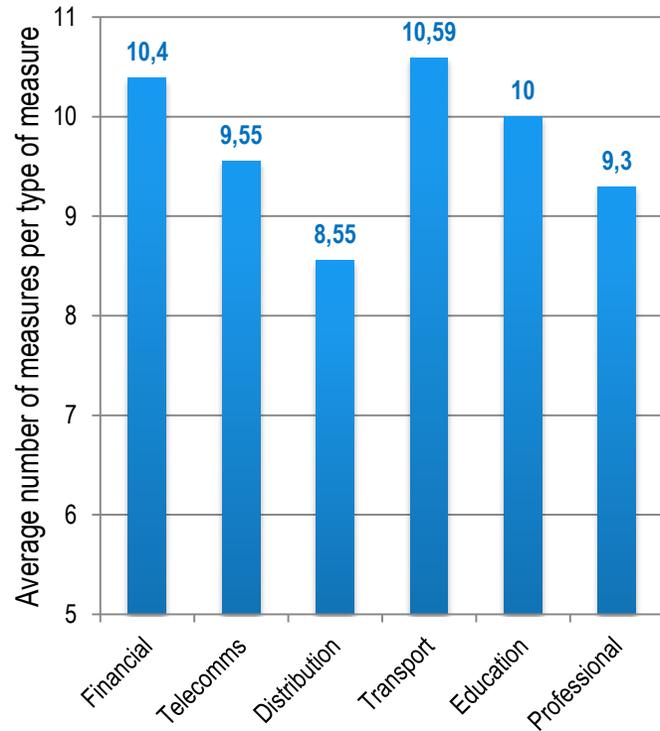


The average annual number of technical barriers to trade applied by APEC economies during the period of 2005-2010 amounted for 45 units, while during the period of 2011-2016 it **sky-rocketed up to 160 units**. The same is true for the SPS measures, which number **increased sharply from 127 units to 187 per year** respectively

Source:
Integrated Trade
Intelligence
Portal (I-TIP)
Goods

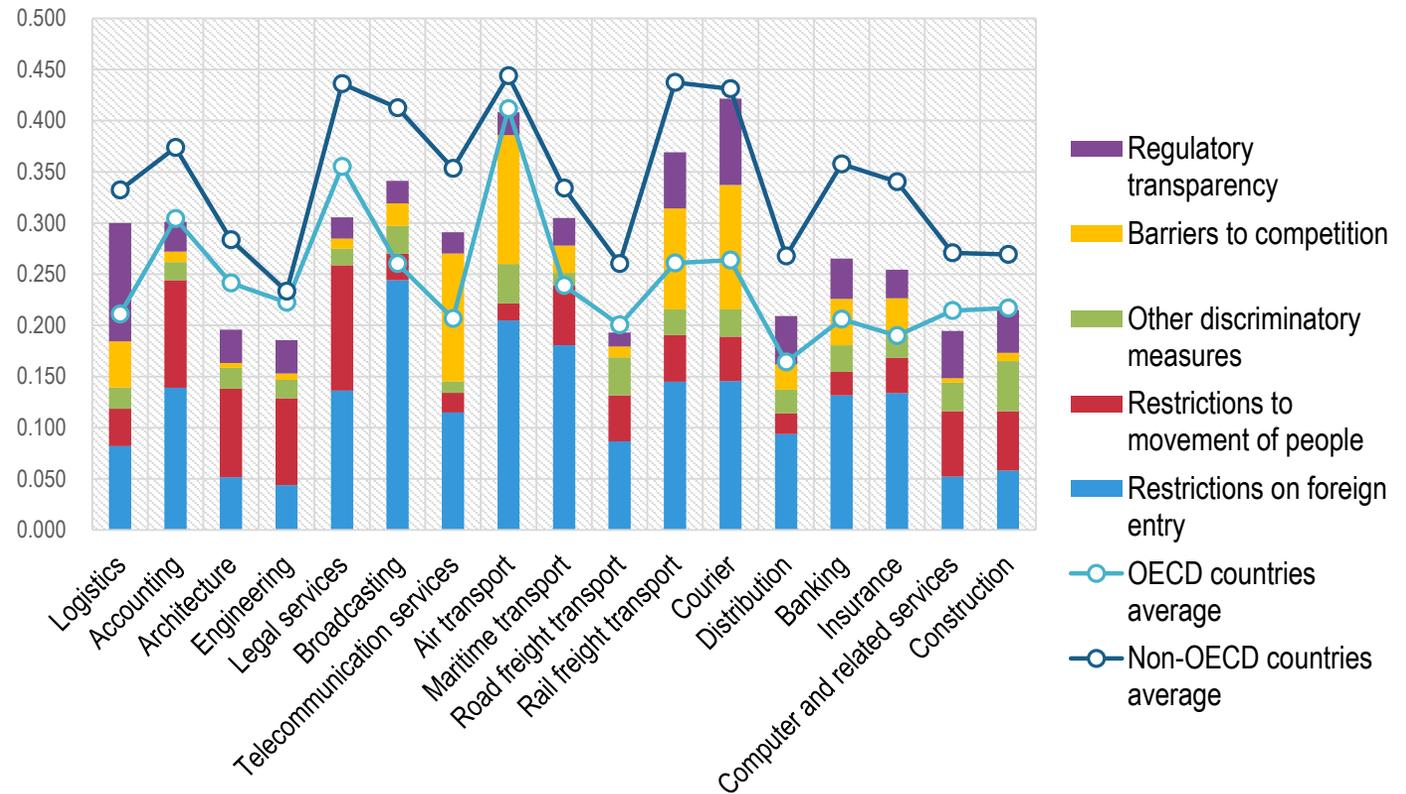
Increasing role of non-tariff barriers in services

Average number of measures per type of measure, by service sectors (in APEC)



Source: APEC Collective Strategic Study on Issues Related to the Realization of the FTAAP

Average number of measures per type of measure, by service sectors (in APEC)

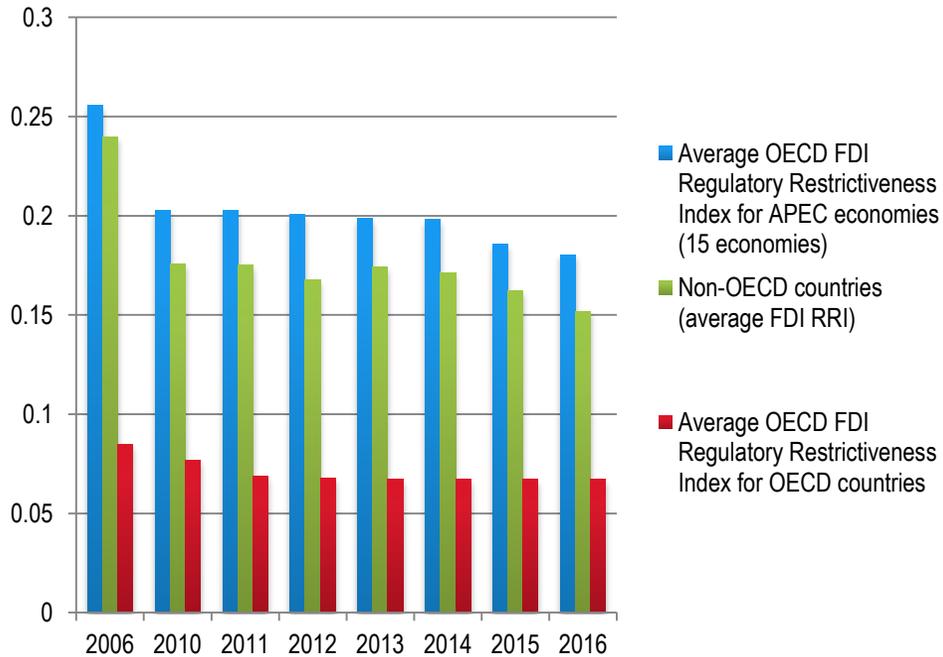


APEC economies have higher STRI scores than the OECD average
 43% of all restrictions in services – **limits on foreign equity**

* Except Brunei, Hong Kong, Papua New Guinea, Chinese Taipei, Singapore, The Philippines, Malaysia, Peru and Thailand.

Increasing role of non-tariff barriers (FDI)

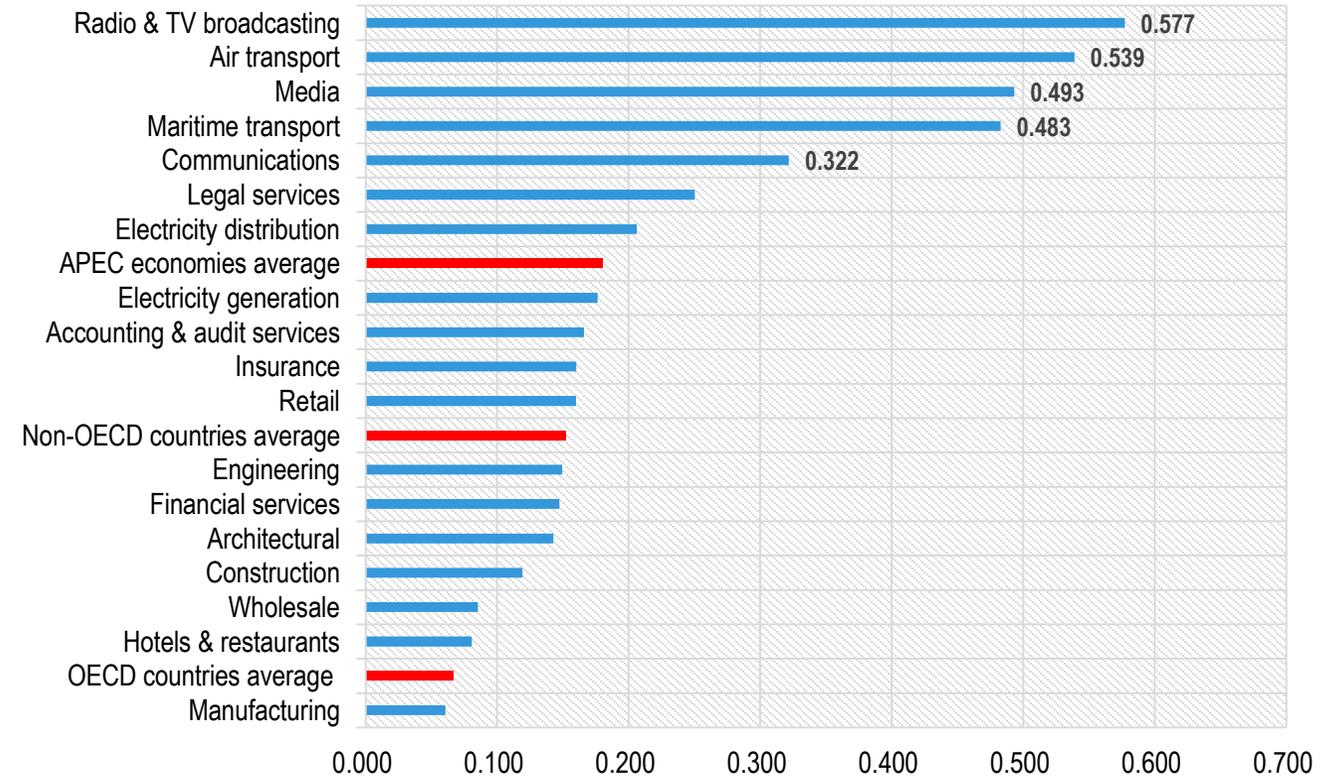
Average number of measures per type of measure, by service sectors (in APEC)



* - Except Brunei, Hong Kong, Papua New Guinea, Chinese Taipei, Singapore and Thailand

Source: OECD FDI Regulatory Restrictiveness Index

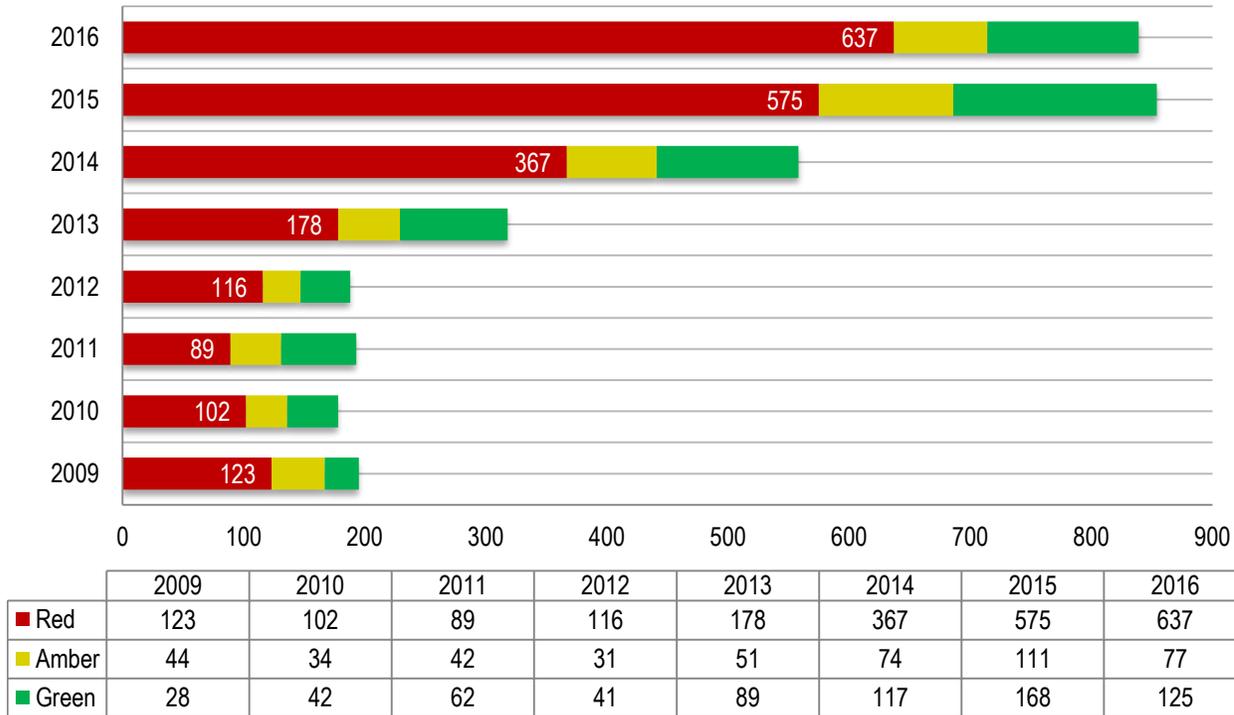
FDI restrictions in APEC economies by sector, 2016



The highest number of restrictions are applied by APEC economies in the following sectors: **radio and TV broadcasting; air transport; media; maritime transport; communications**

■ Increasing role of non-tariff barriers

Number of new protectionism trade measures implemented in the APEC region from 2009 to 2016.



Since 2009 the number of discriminatory trade measures in the APEC has increased 5.2 times and reached 637 in 2016

Source: Global Trade Alert



■ KEY FINDINGS

- 1** Recently, the global economy has not been growing as fast as it used to. The APEC region is not the exception
- 2** While it may be true that international trade growing at a similar rate as global GDP is a “new normal”, there is a potential for future liberalization
- 3** APEC economies continue to apply high non-tariff barriers both in trade in goods and services, as well as in international investments
- 4** The increased focus should be placed on the liberalization of highly-protected agricultural sectors, such as the production of dairy products, cereals, meat and rice
- 5** There is also a high potential for liberalization of services trade by APEC countries, especially in the transportation, logistic and courier services sectors
- 6** Eliminating or reduction of the described non-tariff barriers may well contribute to the increased rates of trade growth among APEC members



Thank you for being attentive!



Relocation of Investment and Trade Diversification in APEC: Trends and Challenges for Mexico

ASCCC, HANOI, VIETNAM

12- 13 MAY 2017

JOSÉ ERNESTO RANGEL DELGADO

JUAN GONZÁLEZ GARCÍA

ÁNGEL LICONA MICHEL

Contents

- ▶ Introduction
- ▶ Historical aspects of protectionism and free market
- ▶ The relocation of investment and the diversification of trade in APEC: Challenges for Mexico
- ▶ Conclusions
- ▶ References

Introduction

The processes of integration in the world, whether formal or informal, date back to the twentieth century, although pro-trade or protectionist policies have more seniority. From the point of view of informal processes, the most important are those carried out in the Pacific Basin region.

In this sense, and in a concrete way, in the year 1994, at the Asia Pacific Economic Cooperation (APEC) 2nd Summit Meeting, leaders declared the Bogor Goals, looking for trade liberalization and investment facilitation in the Asia-Pacific region according to the level of development of member economies: in 2010 for developed economies and in 2020 for developing economies.



Introduction

From the same decade of the nineties of the last century until today, has been discussed around the feasibility of the Bogor goals. The first goal was largely surpassed by the unflattering policies of trade facilitation that prevailed within the framework of the World Trade Organization (WTO), which eventually permeated the APEC philosophy. The 2020 target, judging by the stagnation in many of the negotiating processes in both APEC and the WTO, seems unlikely. Trying to meet the Bogor goals, was born the Transpacific Partnership Agreement.

Today, with the neo-protectionist speeches and actions of some countries, such as England, who are formally seeking their exit from the European Union (EU) after the BREXIT triumph, or as the US new administration, the return of protectionist trade policies forces us to reflect on the actions and decisions that each economy must take.



Introduction

- ▶ Derived from the new international context and, even more, by the formal US exit of the TPP before it starts, plus the formal announcement of the beginning of the NAFTA's renegotiation process in May 2017, it is important for Mexico to rise more emphasis on the potential of the Asia-Pacific region as a strategic and potentially high-yielding region.
- ▶ In this paper, it is argued that Asia Pacific represents options for greater integration and rapprochement with that region, which, apart from the actions and neo-protectionist discourses of England and the United States, makes it essential to analyze the feasibility of Mexico's insertion in the ongoing formal integration processes of Asia Pacific economies, such as the Asia Pacific Free Trade Area (FTAAP); the Comprehensive Economic Cooperation Project (RCEAP) the Latin American Pacific Alliance (PA), and the TPP itself, individually or jointly, that can contribute to the relocation of investments and diversification of trade. To opt for these processes of new economic integration, some aspects usually neglected has to be considered.

Introduction

- ▶ Following this paper, we will analyze, from a historical perspective, the bases and foundations of free trade, as well as some of the policies and free trade actions, extrapolating them to the current context, to try to answer the question that will guide this paper: Will Mexico take advantage of the American new protectionism facing the Asia Pacific free trade?

Historical aspects of protectionism and the free market

We consider relevant to incorporate aspects of historical order to explain the distant aspects of a process of relocation of investment and ongoing trade diversification, in the face of current trends of nationalist protectionism in the Asia Pacific region.

According to economic history, to understand the genesis of international trade, it is necessary to go back to the XII and XIII centuries, when it is possible to observe that it is in the cities of the Mediterranean and the Baltic Sea that a free regional trade arises. It is in Italy towards the XIV-XV centuries that a rapid development of commercial capital is observed. The accelerated trade between cities like Milan, Genova and Florence gives place to economic conditions of commerce that began to spread to other cities like Bremen, Hamburg and Lubeck; propitiating the emergence of capitalism. Later, in the XVI century, Spain is positioned as a world power supported by territories in America (Mexico and Peru). (Karataev, et al., 1964: 65). So we can not imagine this economic system without the presence of international trade.

Historical aspects of protectionism and the free market

- ▶ Under Spanish rule, Holland is one of that countries that achieves a greater development. In 1609, the Bank of Amsterdam was founded and played an important role in shaping capitalism. So that by the XVIII century, Holland was the model capitalist nation. However, because its domestic industry was insufficiently developed to meet the demands of its colonies, particularly in Asia, so the development of the global capitalism by England with the Indies Oriental Company was taken (Karataev, et al., 1964).
- ▶ It is precisely in the centuries mentioned that the economic doctrine of mercantilism arises, whose appearance is based on concrete historical-economic aspects that characterize the decline of feudalism, promoting the foreign market (sell more and buy less). This doctrine is accompanied on the one hand by a national protectionism and on the other by the Adam Smith's "invisible hand," enhancing the free market (Torres, 1980).



VS



Historical aspects of protectionism and the free market

- ▶ This is confirmed by the processes of economic integration unfolding in the global economy (Balassa, 1980), resulting in an enlarged production with scale economies, where the movement of the capital factor is manifested in the form of foreign direct investment but also in some limits to the labor economic factor, as well as the trade concentration in a given area.

Historical aspects of protectionism and the free market

- ▶ Thus, the original premise of exporting surplus production is surpassed by another that focuses on the objective of production for exporting, putting the external market ahead than the internal one, and therefore, a tendency towards the creation of agreements and economic integration, in order to guarantee profit margins. Strategic alliances are formed as a reaction to a possible loss of markets, marked by the speed with which trade is carried out, ending up imposing restrictions.
- ▶ Hence we note the conglomeration of economies to confront potential competitors, subsisting bordered free trade, all this supported even more with the protectionism applied in specific economic sectors, according to the interest of developed economies, as it has been the case of sensitive areas such as agriculture or labor mobility. The opening of trade is observed among the members, imposing restrictions on outsiders, so that the philosophy of "free trade" in the era of globalization, is very limited.

Historical aspects of protectionism and the free market

- ▶ This explains why in the era of globalization commercial agreements appear but also the tendency of economic integration as an exclusive form of production that seeks to be solved with a "regional multilateralism" (Sandi, 2013), which in essence does not solve the economic asymmetries in integration schemes, that fails to solve the problems of income inequality within the gambling economies, as could be the case in the TPP, but also in others such as unemployment (except in specific sectors), as has already been demonstrated in NAFTA assessments (Guillen, 2014).
- ▶ In addition, economic growth, particularly for the developing economies, has not been enough to extend it to the homogeneous well-being of its members, as well as the extension of capital accompanied by the deterioration of the environment that affects living conditions of human beings. Thus protectionism- nationalism, free mobility of factors and restrictions on trade prevail as in the Middle Ages. This is perhaps the biggest challenge for APEC.



The relocation of investment and the diversification of trade in APEC: Challenges for Mexico

It is precisely in the aforementioned context that protectionist stances accompanied by a great nationalism are explained. This context invites the Asia-Pacific region and in particular Mexico to explain the new trends of "free trade" versus "specific economic interests" that mark trade boundaries and a "facilitation of investments" vs their "relocation", an action field with limits and scope.

Considering the above mentioned, and for the specific case of Mexico, it should not miss the warning of more taxes to the automobile industry, which seeks to incorporate a 35% tariff on any vehicle, been from American or foreign companies sold in US (O'Farrill, 2017). In this way, Mexico is being affected by the relocation of the investments of the industry, especially the automotive industry, and by the concessions that must be made in the NAFTA's revision. Given this scenario, Mexico is preparing a win to win process with new foreign direct investment options, according to its commercial network agreements of more than 40 economies.

The relocation of investment and the diversification of trade in APEC: Challenges for Mexico

- ▶ At the moment the warnings of a possible crude fiscal policy in US, have impacted in Mexico, relocating the capital, propitiating an alternative look. Certainly the installation of a new plant of the Ford company in San Luis Potosí reversed in early 2017, faced with the possibility of higher taxes on the import of its products, on the contrary, Japan's direct investment maintains a significant growth in a cautious and discreet way (Financiero, 2017).
- ▶ Likewise, the idea of a better relationship with South Korea has been strengthened, which has already improved with the opening of the KIA company in Monterrey and with the possibility of a Hyundai assembler company in Tamaulipas. It has been thought of expanding to Russia via Vladivostok from Sinaloa, considering the working trade routes with Japan, and in better relations with China, promoted by Veracruz and Mexico City, were thought as well, as several commercial delegations from Jalisco, Colima, Nuevo Leon and the State of Mexico, among others, have made trips to the region, as a result of that conjuncture.



The relocation of investment and the diversification of trade in APEC: Challenges for Mexico

- ▶ In addition, a number of communication channels for the training of talents have already been added, as shown by the recent visit to China by a delegation of university presidents who are members of the Association of Universities and Higher Education Institutions of Mexico (March 2017). Channels strengthened by Mexican APEC Study Centers Consortium with the membership of the University of Colima, the University of Guadalajara, the Autonomous University of Baja California Sur, the Technological Institute of Higher Studies of Monterrey-Guadalajara, the Michoacan University of San Nicolas de Hidalgo, the University of Veracruz and the National Autonomous University of Mexico.



The relocation of investment and the diversification of trade in APEC: Challenges for Mexico.

The option of strengthening alternative trade association, such as:



The New NAFTA (labor economic factor environmental issues, and the elimination of protectionist measures);



The Pacific Alliance (visa exemption);



TPP-11 (without US, but considering non traditional markets as: Malaysia, Singapore, Australia and New Zealand) and,



The Free Trade Agreement in Asia Pacific;

represent areas of opportunity for the Mexican trade diversification, but also better opportunities for APEC economies .

Conclusions

- ▶ In order to explain the relocation of investment and diversification of trade in the context of APEC, particularly in the case of Mexico, we mentioned some economic history elements, to explain how much similarity exists between the emergence of international trade and current times. Somewhat to explain that the advance of capitalism is currently at a time of return to national-protectionist practices, which could represent a major challenge to APEC's philosophy of free trade.

Conclusions

- ▶ Against the export-import concentration to US, Mexico is looking for a national policy taking advantage of its FTA's with more than 40 economies, as Japan, but also to strengthen their relations with others like South Korea, China, Malaysia, Australia, New Zealand and Singapore in Asia Pacific. As well as strengthening its participation in APEC, TPP-11 and the Pacific Alliance, which becomes more important in the news's NAFTA framework for the relocation of investment and trade diversification.
- ▶ In this way, the importance of understanding the moment of capitalist development in which both Mexico and APEC are, as history explains us, once again is in a moment qualified with protectionist strategies. This should be seen as an area of opportunity for making economic policy decisions according to the new global trends.

References

Anguiano Roch, E. (2013). El Acuerdo Transpacífico: Una visión Geopolítica. En Oropeza García, Arturo (Coord.): El Acuerdo de Asociación Transpacífico ¿Bisagra o Confrontación entre el Atlántico y el Pacífico. Universidad Nacional Autónoma de México/Instituto de Investigaciones Jurídicas, México D.F.

ASCCC (2014). Summary Report of APEC Study Center Consortium Conference 2014. May 11-12 2014, Qingdao China

Balassa, B. (1980). Teoría de la integración económica. Edit. UTEHA. México D.F. Bergsten, F. (2007). Toward a Free Trade Area of the Asia Pacific. Policy Briefs in International Economics, Number PB07-2, February, 2007

Brilliant, M. (2007). A Free Trade Area of the Asia Pacific: An idea with merit, but is it feasible?. recruited 22 April 2015, <http://www.brookings.edu/research/opinions/2007/09/northeastasia-brilliant>

ClubEnsayos.com (2016). Obstáculos a la diversificación del comercio exterior mexicano, <https://www.clubensayos.com/Negocios/Obstáculos-a-la-diversificación-del-comercio-exterior/3315613.html>, recruited 19 April 2017.

Drysdale, P (2014). Asia's economic strategy beyond free trade agreements. Recruited 21 April 2015, <http://www.eastasiaforum.org/2014/06/09/asias-economic-strategy-beyond-free-trade-agreements/>

El imperio de des (2014). La Diáspora china y la “red bambú”. Recruited 2 April 2015, <https://elimperiodedes.wordpress.com/2014/09/14/el-diaspora-chino-y-la-red-bambu/>

References

- Excelsior (2017). Esto debe preocupar a México más que la renegociación del TLCAN, <http://www.elfinanciero.com.mx/economia/esto-debe-preocupar-a-mexico-mas-que-la-renegociacion-del-tlcan.html>, 25.12./2016.
- Financiero El (2017). Inversión japonesa crece en México y los mexicanos deben confiar en sí, <http://www.elfinanciero.com.mx/economia/inversion-japonesa-crece-en-mexico-y-mexicanos-deben-confiar-en-si.html>, 23.01.2017.
- Guillén, A. (2014). 20 años de TLCAN: sueños y realidades del TLC. En Senador Luis Sánchez Jiménez (Coord.): Veinte años del TLC. Valoraciones y Perspectivas. Juan Pablos Editor/H. Cámara de Senadores, México.
- Herreros, S. (2013). América Latina y el Acuerdo de Asociación Transpacífico: ¿Opción Apuesta de Alto Riesgo? En Oropeza García, Arturo (Coord.): El Acuerdo ¿Bisagra o Confrontación entre el Atlántico y el Pacífico. Universidad Nacional Autónoma de México/Instituto de Investigaciones Jurídicas, México D.F
- Karataev, Ryndina, Stepanov y otros (1964). Historia de las Doctrinas Económicas. Traducción de José Laing. Tratados y manuales Grijalbo. Ed. Grijalbo, S.A. de C.V., México, D.F.
- López Aymes, J.F. (2013). La integración Económica en Asia Pacífico: Implicaciones de la posible del Acuerdo Transpacífico de Asociación Económica (TPP). En Oropeza García, Arturo (Coord.): El Acuerdo de Asociación Transpacífico ¿Bisagra o Confrontación entre el Atlántico y el Pacífico. Universidad Nacional Autónoma de México/Instituto de Investigaciones Jurídicas, México D.F.
- Meraz, Andrea (2017). México no va a sacrificar relación con México por vínculo con Estados Unidos. <http://www.excelsior.com.mx/nacional/2017/02/21/1147744>, 22.04.2017
- O´Farrill Santoscoy, Ernesto (2017). El estímulo fiscal de Trump y su impacto en México. El Financiero, 13.02.2017. México.
- Oropeza García, A. (2013). El Acuerdo de Asociación Transpacífico: ¿Bisagra o confrontación entre el Atlántico? En

References

Peña, N. (2013). Dudas sobre contenido del TPP en países interesados frenan avances. Consultado el 14 de julio de 2014. Disponible en <http://diario.latercera.com/2013/11/15/01/contenido/negocios/10-150838-9-dudas-sobre-contenido-del-tpo-en-paises-interesa-dos-frenan-avances.shtml>

Rangel Bojorges, Arturo (2017). Estados Unidos Apura Negociación de TLC

Rangel Delgado, José Ernesto y Ángel Licona Michel (2016). Oportunidades y Riesgos para el Libre Comercio: APEC, TPP y FTAAP; Edited by Zottele Allende, Carlos Anibal & José Ernesto Rangel Delgado (2016), book: Después de Beijing 2014 ¿Un Nuevo Orden Comercial?

Ramírez Bonilla, J.J. (2012). Encuentros y desencuentros políticos. El gobierno mexicano ante la Asociación de Naciones del Sureste de Asia. Relaciones 131, verano 2012, pp 135-180.

Roldán Pérez, A. y Alma Sofía Castro Lara (2013). El TPP: Plataforma del área de Libre Comercio del Asia Pacífico. En Oropeza García, Arturo (Coord.): El Acuerdo de Asociación Transpacífico ¿Bisagra o Confrontación entre el Atlántico y el Pacífico. Universidad Nacional Autónoma de México/Instituto de Investigaciones Jurídicas, México D.F.

Saavedra-Rivano, N. (2014). The TPP and Trade Relations Between East Asia and Latin America. APEC Study Centre Consortium Conference 11-12 May, 2014. APEC, CHINA, 2014/ ASCCC/003. Qingdao, China.

Salas-Porras, Alejandra (2014). Neoliberal Elites in Mexico: How a Field of Power that Transforms Social Practices of Political Elites is built. Revista Mexicana de Ciencias Políticas y Sociales, Universidad Nacional Autónoma de México, Nueva Época, Año LIX, núm. 222/ septiembre-diciembre de 2014/ pp. 279-312/ISSN-0185.

Sandi Meza, V. (2013). El Acuerdo Transpacífico de Asociación Económica: Una Visión Regional. En Oropeza García, Arturo (Coord.): El Acuerdo de Asociación Transpacífico ¿Bisagra o Confrontación entre el Atlántico y el Pacífico. Universidad Nacional Autónoma de México/ Instituto de Investigaciones Jurídicas, México D.F.

Secretaría de Economía (2013). <http://www.economía.gob.mx>. Consultado el 2 de abril de 2015. Disponible en Mx/eventos-noticias/información-relevante/9964-boletin-162-13

Solís, M. (2001). Regionalismo y Cooperación Internacional. El Caso de APEC. Foro Internacional: revista trimestral. El Colegio de México. ISSN 0015-7821, ZDB-ID 412119. Vol. 41.2001,2, pp. 283-298.

- 
- ▶ Thank you!
 - ▶ Cảm ơn bạn!
 - ▶ ¡Gracias!

**APEC Study Center Consortium Conference May 12-13,
2017, Hanoi**

**APEC beyond Economic Cooperation:
Its Achievements for Three Decades**

Ippei Yamazawa, Hitotsubashi University and Toshiya
Takahashi, Shoin University
Tokyo, Japan

1. Lima Leaders' Declaration 2016

- APEC Leaders renewed commitment to support free and open trade and investment, sustainable economic growth and shared prosperity in the Asia-Pacific region
- Although regarded primarily as a diplomatic opportunity for regional leaders, APEC's achievements is based on wide-ranging government–business collaboration, and even beyond economic cooperation

APEC Leaders in Lima, Nov. 2016



2. High Expectation in the first half of the 1990s

- Began in 1989 as a series of meetings among foreign and economic ministers
- United States initiated the leaders' meeting in 1993, when leaders jointly declared that they would achieve free and open trade in Asia Pacific.
- In 1994, Indonesian President Soeharto delivered the Bogor Declaration to achieve free trade by 2010 and 2020

3. The second half of the 1990s: Expectation for APEC Decreased

- The 1995 Osaka Action Agenda set 15 areas of trade liberalization and facilitation with the IAP formula, unique modality of voluntary implementation
- But, the 1996 Manila Action Plan resulted in only small-scale trade liberalization.
- Early Voluntary Sector Liberalization failed and Asian members were hit by the Asian financial crisis in 1997 and 1998.
- By the 2000s the WTO's Doha Round negotiation began, while FTAs proliferated across ASEAN members

4. Toward Modest but Steady Progress: from the 2000s

- APEC has adopted a modest strategy, centered on trade facilitation
- Some members unsatisfied with voluntary liberalization formed the P4 group → TPP
- But legally binding trade liberalization has not succeeded either; WTO's Doha Round deadlocked, TPP negotiation concluded but its ratification is now in question, RCEP has not proceeded as scheduled

5. APEC's Success in Trade Facilitation

- APEC's pragmatic and flexible approach has succeeded in areas like customs procedures, business mobility, and standards and conformance.
- The 2001 Shanghai APEC declared to reduce **trade transaction costs** by 5 per cent in five years, which was achieved.
- The Busan APEC 2005 announced another 5 per cent reduction, which also succeeded
- Also provided **economic and technical cooperation over small and medium industry development, structural adjustment and food safety**, etc.

6. Mid-Term Review toward 2010

- Senior officials meeting (SOM) conducted a peer review of 5 + 6 economies' achievement of the Bogor Goals (2002-2009)
- A team was formed for each economy's IAP. It interviewed government officials of the economy under review and drafted a peer review report.
- SOM discussed in an open forum, thus encouraging the economy under review to improve its IAP implementation closer towards achieving the Bogor Goals
- Only group achievements were published

7. The 2020 Goals and Beyond

- Toward 2020, APEC will conduct **the review process of the achievement** by remaining 10 members, as well as those of 11 members, and publish them as group achievements.
- **Whither shall APEC proceed after 2020?** FTAAP, a comprehensive, high quality, and legally binding FTA **should be pursued**, based on TPP and RCEP, while APEC **serves as its incubator** (*Pathway to FTAAP*, 2010)

7 . Continued

- While neither TPP nor RCEP is not leading to FTAAP now, APEC has paved a road to it.
- However, APEC with voluntary liberalization modality cannot change to FTAAP automatically.
- In 2020, Leaders can set 2030 for changing APEC to FTAAP, and continue IAPs and its review process toward the new target.

8. The Period of Domestic Backlashes against Trade Liberalization and APEC: from 2016?

- The year from 2016: uncertainties of trade liberalization in multilateral frameworks (The Brexit and the change of U.S. government)
- The period of domestic backlashes?
- EU-like legal-binding: vulnerable to members' wishes for autonomy
- Economic effectiveness of multilateral liberal trade institutions: doubted even by advanced liberal democracies

9. Reevaluation of APEC's two **political** functions: (1) non-binding approach and (2) economic and technical cooperation for today

- APEC as a weak multilateral institution towards trade liberalization?
- “Political functions”: the other side of APEC
- The informal nature of APEC
- Voluntary approach: politically useful today
- **Non-binding** (including the CUL and the IAP)
- **Economic and technical cooperation** with developing countries

10. (1) APEC's non-binding approach and the domestic backlashes

- Political challenges against trade liberalization now: “**domestic-born**”
- Difficult to manage in democracies: a two-level game; democracies with populist appeals
- To what extent flexible adjustment mechanisms are given to the members may determine the strength of liberal trade institutions
- Non-binding approach: an institutional merit (the timing and the contents of implementation)
- Politically important mechanism: “coping with diversity” and “managing flexibility” (Drysdale, Elek and Soesastro :1998)

11. (2) APEC's economic and technical cooperation with the developing countries

- What is **a realistic approach** to trade liberalization with developing countries? : the importance of economic and social development
- The inclusion of economic and technical cooperation
- APEC's institutional strength: the Osaka Action Plan, Economic and Technical Cooperation (Ecotech)

12. Pathfinder approach

- The Shanghai Declaration: group of the willing can start to **pilot the implementation of the Bogor goals**
- **Share information, cause-effect relationships, and solutions**
- agenda-setting and encourage domestic policy
- “**Epistemic community**”: a network of professionals with recognized expertise and competence in a particular domain and an authoritative claim to policy-relevant knowledge within that domain or issue-area”
- **APEC for the creation of new knowledge**

13. Trade liberalization: as a common interest?

- Many would like to believe that trade liberalization is definitely a common interest, but how to realize it would determine whether it “actually” is.
- Common interests: the key element for the creation of the liberal order or international society (e.g. Hedley Bull)
- Common interests can bind states together rationally and socially for cooperation
- Values confrontations to be managed (Liberal trade will not be a common interest for many if it lacks this management.)
- A belief in APEC: trade liberalization is adjustable to domestic political conditions, and it is not the business only for advanced economies but for all countries with various economic stages.

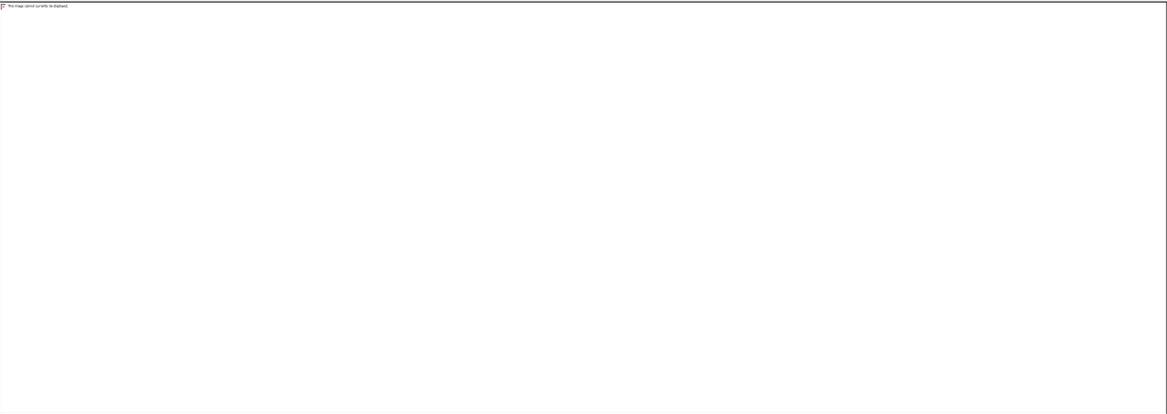
14. The Requirements for trade liberalization in the period of domestic backlashes and APEC

- **Requirements for further trade liberalization:** APEC's answer; inclusive and sustainable growth → benefits for all in each economy
- APEC's fields of cooperation: micro, small and medium enterprises, and food security
- Ambassador Bui Thanh Son (APEC Bulletin, 27 April, 2017)
- **Increasing needs for political mechanisms for further trade liberalization:** APEC's “political” functions for trade liberalization

15. Community for Regional Stability

- Community building and APEC
- Communities are not necessarily combined with formal institutions
- Karl Deutsch's famous work, *The Political Community and the North Atlantic Area* (1957)
- The pluralistic security community and its durability and the "absence of war"
- Deutsch's three conditions: 1) The compatibility of values (not the same); 2) Responsiveness; 3) We-feeling
- A sense of community to resolve common problems by peaceful means

Security community: from ASEAN to APEC ?





ASEAN Community

Pillars	Aims
ASEAN Political – Security Community	aim to ensure that countries in the region live at peace with one another and with the world in a just, democratic and harmonious environment
ASEAN Socio-Cultural Community	aims to contribute to realizing an ASEAN Community that is people-oriented and socially responsible with a view to achieving enduring solidarity and unity among the peoples and Member States of ASEAN
ASEAN Economic Community	<ul style="list-style-type: none"> a single market and production base, a highly competitive economic region, a region of equitable economic development, a region fully integrated into the global economy.











16. Beyond economic cooperation: APEC for regional stability

- **APEC has become a community**: the compatibility of different values under trade liberalization
- **The accumulation** of annual meetings in its past three decades
- **Belief** that trade liberalization is a common interest and mutual talks and research are the means to this end
- **Learning** that different positions on economic issues can be mitigated through continuing talks rather than renouncing them: this can be extended to security and political dialogues
- Still too naïve: economic integration leading to peace
- **But, the learning effect for continuing talks**: able to create preconditions for regional peace
- Another role of APEC today

We appreciate your audience

Building an APEC Framework for Advancing Regional Economic Integration

Chen-Sheng Ho, Ph.D.

Director

International Affairs Department

Taiwan Institute of Economic Research

Purpose of Presentation

- ▶ Analyze the main elements for advancing APEC.
- ▶ Provide suggestions for moving forward.

Four Major Elements for Advancing APEC

Element 1: APEC Goals/Bogor Goals

Background Information:

- ▶ Bogor Declaration: APEC will achieve the goal of free and open trade and investment in the Asia-Pacific region by the year 2020.
- ▶ Bogor Declaration: With different levels of economic development, the industrialized economies will do so by 2010 and developing economies will do so by 2020.
- ▶ Bogor Declaration: Leaders oppose the creation of a trading bloc that is inward-looking and that prevents the pursuit of global free trade.

Four Major Elements for Advancing APEC

Element 1: APEC Goals/Bogor Goals

Analysis:

- ▶ The existence of clear APEC goals (Bogor Goals) has enhanced APEC members' cooperation with each other.
- ▶ APEC shows flexibility in recognizing the diverse levels of economic development and in creating two different deadlines.
- ▶ The challenge for APEC is that the degree of trade and investment liberalization is not specified.
- ▶ For example, free trade can denote zero tariffs for all trade.
- ▶ APEC could also state that free trade is about the advancement of freer trade.

Four Major Elements for Advancing APEC

Element 2:

APEC Decision-Making Principles: Consensus Building, Voluntary Participation, and Non-Binding Decisions

Background Information:

- ▶ APEC has developed a distinctive APEC process that has shown to be practical for APEC.
- ▶ The APEC decision-making principles guide the APEC members in the discussions during meetings and in the conduct of activities.
- ▶ **Consensus Building:** All APEC members must approve a decision.
- ▶ **Voluntary Participation:** APEC members will only need to participate in activities they are willing to do so.
- ▶ **Non-Binding Decisions:** APEC members will not be punished for not participating in APEC activities after agreeing to participate.

Four Major Elements for Advancing APEC

Element 2:

APEC Decision-Making Principles: Consensus Building, Voluntary Participation, and Non-Binding Decisions

Analysis:

- ▶ Since the beginning of APEC's existence in 1989, the APEC decision-making principles have been in operation.
- ▶ There is no indication that APEC will change the principles.
- ▶ Most importantly, the principles have enabled APEC to function effectively.

Four Major Elements for Advancing APEC

Element 3: APEC Individual and Collective Actions

Background Information:

The PSU's 2016 Bogor Goals Progress Report: Individual Action Plans

- ▶ The report has stated the economies' progress and areas that need improvements.
- ▶ The report's information is from the Individual Action Plans, international organizations and domestic government institutions.
- ▶ The report has related that MFN tariffs for non-agricultural and agricultural products have been lowered. However, MFN tariffs for agricultural products are still high.
- ▶ The report has stated that many economies are utilizing RTA/FTAs and unilateral measures to relax restrictions on foreign companies in some services sectors but other economies have increased those restrictions.

Four Major Elements for Advancing APEC

Element 3: APEC Individual and Collective Actions

Background Information:

Collective Actions: APEC Projects

- ▶ APEC projects have been an important element of the APEC process for enhancing the achievement of the Bogor Goals in a collective manner.
- ▶ Each year, APEC has given funding for around 100 projects.
- ▶ The majority of APEC projects seek to transfer knowledge and skills between members as well as to advance capacity building.

Table 1: Number of APEC Project Applications and Projects Funded

Year	Project Applications	Projects Funded	Funding Rate
2016	226	103	46%
2015	214	79	37%
2014	224	71	32%
2013	219	109	50%
2012	215	103	48%
2011	188	138	73%

Source: APEC BMC1. 2017. "Project Management Unit Update Report." APEC Secretariat.

Table 2: APEC Project Funding

Year	Amount
2017	US\$14,728,000
2016	US\$17,078,000
2015	US\$13,013,000
2014	US\$9,365,000

Source: APEC SOM. 2014-2017. "Report by Chair of the Budget and Management Committee." APEC Secretariat.

Table 3: 2017 APEC Project Funding

Untied Funds	
General Project Account	US\$1,950,000
Trade & Investment Liberalization and Facilitation Account	US\$1,008,000
APEC Support Fund (ASF) General Fund	US\$2,333,000
	Total: US\$ 5,291,000 (36%)
Tied Funds	
ASF - Connectivity Sub-Fund	US\$336,000
ASF - Energy Efficiency Sub-Fund	US\$2,881,000
ASF - FTAAP and Global Value Chain Sub-Fund	US\$644,000
ASF - Health and Emergency Preparedness Sub-Fund	US\$198,000
ASF - Human Security Sub-Fund	US\$422,000
ASF - Innovative Development, Economic Reform and Growth Sub-Fund	US\$454,000
ASF - Micro, Small and Medium Enterprises Sub-Fund	US\$164,000
ASF - Mining Sub-Fund	US\$317,000
ASF - RAASR Sub-Fund	US\$2,483,000
ASF - Supply Chain Connectivity Sub-Fund	US\$1,538,000
	Total: US\$9,437,000 (64%)
	Grand Total: US\$14,728,000

Source: APEC SOM1. 2017. "Report by Chair of the Budget and Management Committee." APEC Secretariat.

Four Major Elements for Advancing APEC

Element 3: APEC Individual and Collective Actions

Analysis:

- ▶ APEC members have consistently developed project proposals and sought to apply for APEC funding.
- ▶ Thus APEC members are greatly supportive of collective actions manifested in the form of projects.
- ▶ The challenge is that funding for the projects is limited. According to Table 1, the funding rate was about 73% in 2011. The funding rate was as low as 32% in 2014. By 2016, the figure was 46%.

Four Major Elements for Advancing APEC

Element 4: APEC Fora

Background Information:

Policy Level:

- ▶ The following meetings shape the policy direction of APEC: 1) APEC Economic Leaders' Meeting; 2) APEC Ministerial Meeting; 3) Sectoral Ministerial Meetings; and 4) APEC Business Advisory Council (ABAC).

Working Level:

- ▶ The APEC Senior Officials guide the working level activities and projects.
- ▶ Four committees implement the activities and projects: 1) Committee on Trade and Investment; 2) Senior Officials' Meeting Committee on Economic and Technical Cooperation; 3) Economic Committee; and 4) Budget and Management Committee.
- ▶ Sub-Committees, Experts' Groups, Working Groups and Task Forces all support the activities and projects led by these four high level committees.

Table 4: APEC Institutions (2015-2016)

Type	Number
APEC Fora	48
APEC Fora including Sub-Fora	87
APEC Websites	44
APEC Specialized Centers	23
APEC Study Centers	31

Source: APEC AMM. 2016. "APEC Secretariat Annual Report." APEC Secretariat.

Four Major Elements for Advancing APEC

Element 4: APEC Fora

Background Information:

Governance Issue:

- ▶ During SOM1 of 2017, Australia had presented a document called “Governance Improvements for a More Effective APEC.”
- ▶ It relates that the present governance mechanisms have not provided Senior Officials with adequate visibility or oversight of the work programs of the sub-fora.
- ▶ The result is the creation of overlapping mandates and lack of accountability.
- ▶ Therefore, a few reforms need to be undertaken: 1) Monitoring and enforcing quorum across all sub-fora; 2) Adopting and enforcing a consistent approach to the operation of sunset clauses across all sub-fora; and 3) New instructions for the governance of Friends of the Chair.

Four Major Elements for Advancing APEC

Element 4: APEC Fora

Analysis:

- ▶ APEC has developed an efficient and effective organizational structure to advance the work of APEC. This means that the existing APEC fora are able to cover the APEC issues.
- ▶ The increase in the complexity of issues has raised the importance of cross-fora cooperation.

Suggestions for APEC

Overall Suggestion:

- ▶ It is suggested that the APEC framework for advancing REI consists of the four elements: 1) APEC Goals: Bogor Goals; 2) Decision-making principles: Consensus building, voluntary participation, and non-binding decisions; 3) APEC individual and collective actions; and 4) APEC fora.
- ▶ The existence of smooth interactions among the four elements have moved the APEC process towards greater REI.

Suggestions for APEC

Utilize Evolutionary Approach

- ▶ APEC will persist to utilize the evolutionary approach in strengthening the four elements.
- ▶ This means APEC will continue to advance APEC in a cautious and incremental manner.

Suggestions for APEC

Promote Bogor Goals: Freer Trade

- ▶ APEC can define the Bogor Goals' meaning of free and open trade and investment to be the attainment of freer trade.
- ▶ In doing so, APEC can state in 2020 that the Bogor Goals have been achieved.
- ▶ However, freer trade means that there is room for improvement.

Promote Bogor Goals 2.0

- ▶ Therefore, another suggestion is that the post-2020 vision for APEC will be Bogor Goals 2.0 or the further advancement of freer trade.
- ▶ In addition, the existing APEC undertakings for completion after 2020 will also be included in Bogor Goals 2.0, such as the APEC Connectivity Blueprint (2015-2025), APEC Services Competitiveness Roadmap (2016-2025), and FTAAP (long-term goal).

Suggestions for APEC

Maintain Existing APEC Decision-Making Principles:

- ▶ APEC continues to utilize the present APEC decision-making principles (consensus building, voluntary participation, and non-binding decisions) that have enabled APEC members to cooperate with each other.
- ▶ The existing principles have enabled APEC members to agree on actions that are acceptable to all.
- ▶ In doing so, APEC has moved forward together, so that regional economic integration is deepened at a pace that is comfortable for all APEC members.

Suggestions for APEC

Emphasize Collective Actions :

- ▶ It is suggested that APEC provide more funding for implementing projects.
- ▶ The projects are the best manifestation of APEC collective actions.
- ▶ APEC members have shown great interests in developing projects.
- ▶ Table 1 indicates that there were 188 project applications in 2011. By 2016, the figure was 266. Moreover, the funding rate in 2011 was 73%. The rate for 2016 was 46%.
- ▶ Thus APEC members are supportive of collective actions in the form of projects. The decrease in funding rate has not dampened the enthusiasm for APEC projects.

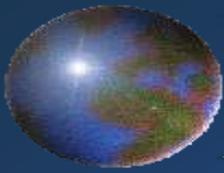
Suggestions for APEC

Uphold Present Organizational Structure:

- ▶ It is suggested that APEC continues to maintain the present organizational structure in which changes occurred in a cautious way.
- ▶ This means that APEC fora consist of both policy level and working level.
- ▶ In addition, APEC members will continue to deliberate carefully regarding changes, such as the merging of existing fora or the creation of new fora.

Thank You

The background features a series of overlapping, semi-transparent triangles in various shades of brown and orange, creating a dynamic, abstract geometric pattern on the right side of the slide.

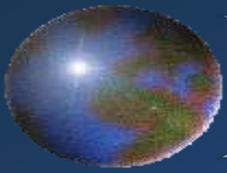


*APEC's New Role in Further Promoting Asia-Pacific
Regional Economic Integration*

By Liu Chenyang

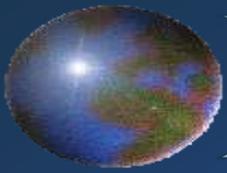
APEC Study Center of Nankai University

May 2017



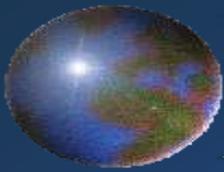
APEC's Contribution to the Process of Asia-Pacific REI

- ✦ A milestone: Adopting the Bogor Goal
- ✦ Achievements in trade and investment liberalization
- ✦ Progress in trade and investment facilitation



Internal and External Driving Forces for APEC to Further Promote Asia-Pacific REI

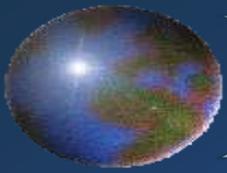
- ❁ To push for a healthy recovery of the sluggish world economy as a more powerful engine;
- ❁ To play a more active and effective role in coordinating the development of FTAs/RTAs in the Asia-Pacific region;
- ❁ To strengthen the role as a strong supporter to WTO from the plurilateral level;
- ❁ To further promote Asia-Pacific REI to better comply with the trend of Global value chains (GVAs) cooperation.



Pathways for APEC to Further Promote Asia-Pacific REI

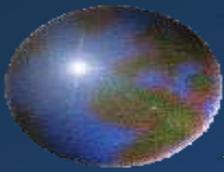
❖ Promoting the establishment of FTAAP

- ❑ The establishment of the FTAAP could be set up as a mid-term goal for the “Post Bogor Goal era”, which will clarify the overall direction of APEC’s efforts in promoting Asia-Pacific REI in the next decade;
- ❑ To balance the quality of the FTAAP and different interest demands of its member economies, APEC’s role as an incubator of the FTAAP should be fully recognized and utilized.



Pathways for APEC to Further Promote Asia-Pacific REI

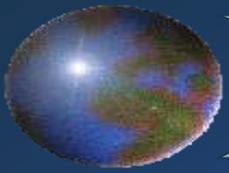
- ❖ **Enhancing GVCs cooperation to foster a big Asia-Pacific market**
 - ❖ APEC member economies should give full play to their comparative advantages, optimize the economic resource allocation, improve the industry layout, and make joint efforts to foster a big Asia-Pacific market where benefits are shared by all.
 - ❖ Priorities in this aspect should include but not limited to enhancing trade facilitation and supply chain management, improving logistics infrastructure network construction, and facilitating cross-border movement of nature person.



Pathways for APEC to Further Promote Asia-Pacific REI

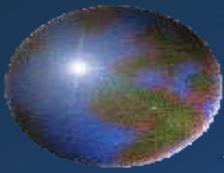
❁ Enhancing Connectivity and Infrastructure Development Cooperation

- ❁ In the long term, APEC should strengthen the top-level design of its overall cooperation framework and mainstream connectivity cooperation as a new pillar for its process in the post-Bogor era;
- ❁ In the short and medium term, APEC is expected to take more effective measures to realize the goal of the Connectivity Blueprint for 2025;
- ❁ Effective measures should be taken to overcome the institutional obstacle and conditional obstacle of connectivity.



Summing Up

- ❖ APEC has not only responsibility but also capacity to make more contribution to the future process of Asia-Pacific REI;
- ❖ Guided by the principles of openness, inclusiveness and win-win cooperation, APEC member economies should try to foster closer partnership and make joint efforts to meet challenges and achieve sustainable development and long-term prosperity in the Asia-Pacific region.



Thank you

*Liu Chenyang
APEC Study Center of Nankai University
Boling Building 408, Nankai University, Tianjin China, apecliu@sina.com*



Where Should APEC Go?
**—To Build the Asia-Pacific Community
of Inclusiveness and Development**

By LU Jianren

Chief Research Fellow, China-ASEAN Research Institute of
Guangxi University
Hanoi, May 12-13, 2017

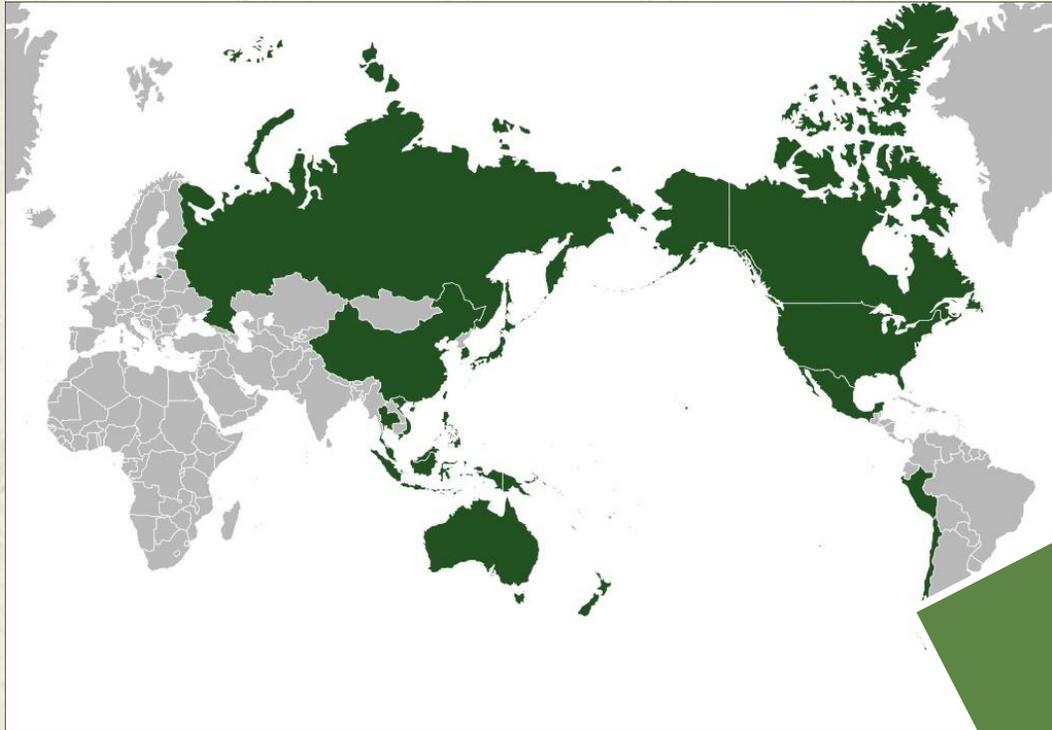
Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

- Since 1960s, Asia-Pacific cooperation has emerged in the realm of economics as a pioneer; and in the late 1980s, when the APEC was established, Asia-Pacific cooperation has entered the economic integration stage. At the same time, after the end of the Cold War, in the Asia-Pacific region there have been long-term peace, stability and prosperity, regional cooperation ranging from economic to political and security areas.



Where Should APEC Go? —To Build the Asia-Pacific Community of Inclusiveness and Development



Having gone through a great deal of practice and exploration over half a century, today's Asia-Pacific regional cooperation is entering a vital moment. Since **APEC** was founded in 1989, it has been in existence for 28 years, making a significant contribution to peace, stability, and economic development in the Asia-Pacific region.



Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

- However, the reverse trend of globalization emerging currently, multilateralism represented by WTO suffering difficulties, trade protectionism rising, the United States announcing the withdrawal of TPP, make the Asia-Pacific economic integration suffer setbacks.
- On the other hand, regional integration in East Asia is still moving forward, and ASEAN has established the “ASEAN Community” and led the RCEP(Regional Comprehensive Economic Partnership) negotiations; China raises the flags of multilateralism, not only advocating the establishment of FTAAP (Free Trade Agreement of the Asia Pacific), but also actively promoting the Belt and Road Initiative, adverting the idea of establishing the Asia-Pacific Community of Common Destiny.



Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

- Under the new circumstances, **where should APEC go?** There is no doubt that APEC, as a multilateral organization in the Asia-Pacific region, should unswervingly continue to move towards the grand goal of economic integration in the region, becoming an important force in the development of economic globalization. But that is not enough. APEC should be entrusted a more ambitious historical mission.



At present, the era is calling for the emergence of a kind of Asia-Pacific regional cooperation mechanism, which includes three important areas: economy, politics and security. And that's the “**Asia-Pacific Community of Inclusiveness and Development**”, which includes Asia-Pacific Economic Community, Asia-Pacific Community of Common Destiny, and Asia-Pacific Security Community.

The most prominent feature of the Asia-Pacific region is **diversity**, which is also a very important reason why the Asia-Pacific regional integration is difficult to be quickened its forward pace. The way to eliminate the barriers of diversity is to establish an inclusive regional cooperation mechanism to promote the process of regional cooperation, to meet the common development through establishing inclusive cooperation mechanisms in the economic, political and security fields, to reach win-win for Asia-Pacific members.



Economy



Politics



Security

Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

- In the long run, on the main platform of APEC, the establishment of the Asia-Pacific Community of Inclusiveness and Development can use the existing regional cooperation mechanism with greater inclusiveness, to bring political and security issues into the APEC scope in succession, transforming APEC into a regional cooperation community integrating economy, politics and security, which is called Asia-Pacific Community of Inclusiveness and Development, where its members can be on a voluntary basis to expand to all economies in the Asia-Pacific region. And in the initial stage, APEC, political and security issues-oriented Asia-Pacific Community of Common Destiny, and Inclusive Security Community can coexist. The latter two need sufficient time to build and develop, and when the conditions are ripe, those two mechanisms can combine with APEC as one mechanism.



Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

Security



Politics



亚太包容发展共同体
Asia-Pacific
Community of
Inclusiveness and
Development

APEC



Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

- China and the United States are both pillar and bellwether of regional cooperation in the Asia Pacific. There would be no inclusiveness for most of the members in the Asia-Pacific region without mutual inclusiveness between China and the United States.
- At present, China and the U.S. are reshaping bilateral relations. In early April, 2017, President Xi Jinping visited the United States and had a fruitful meeting with President Trump, which enhanced mutual understanding and laid a momentous foundation for bilateral cooperation. In the long run, mutual inclusion is the foundation of the survival and development of Sino-US relations. And this inclusion includes ideology, social system, economic system, religious belief, culture, values, lifestyles and etc.



Where Should APEC Go?

—To Build the Asia-Pacific Community of Inclusiveness and Development

- Both China and the U.S. can cooperate in good faith and achieve win-win situation only with mutual respect, tolerance, and understanding. China has managed to establish the great aspiration of the human fate community, and the Asia-Pacific community of common destiny, so some essential elements such as tolerance and responsibilities should be carried on the road of development.
- Therefore, to establish the Asia-Pacific Community of Inclusiveness and Development, China and the United States must share the common responsibility. Let's march towards the goal of Asia-Pacific Community of Inclusiveness and Development.



Thank you!

謝謝



Economic Integration and Growth

-Evidences from Mekong Friendship Bridges-

Souknilanh Keola

Research Fellow

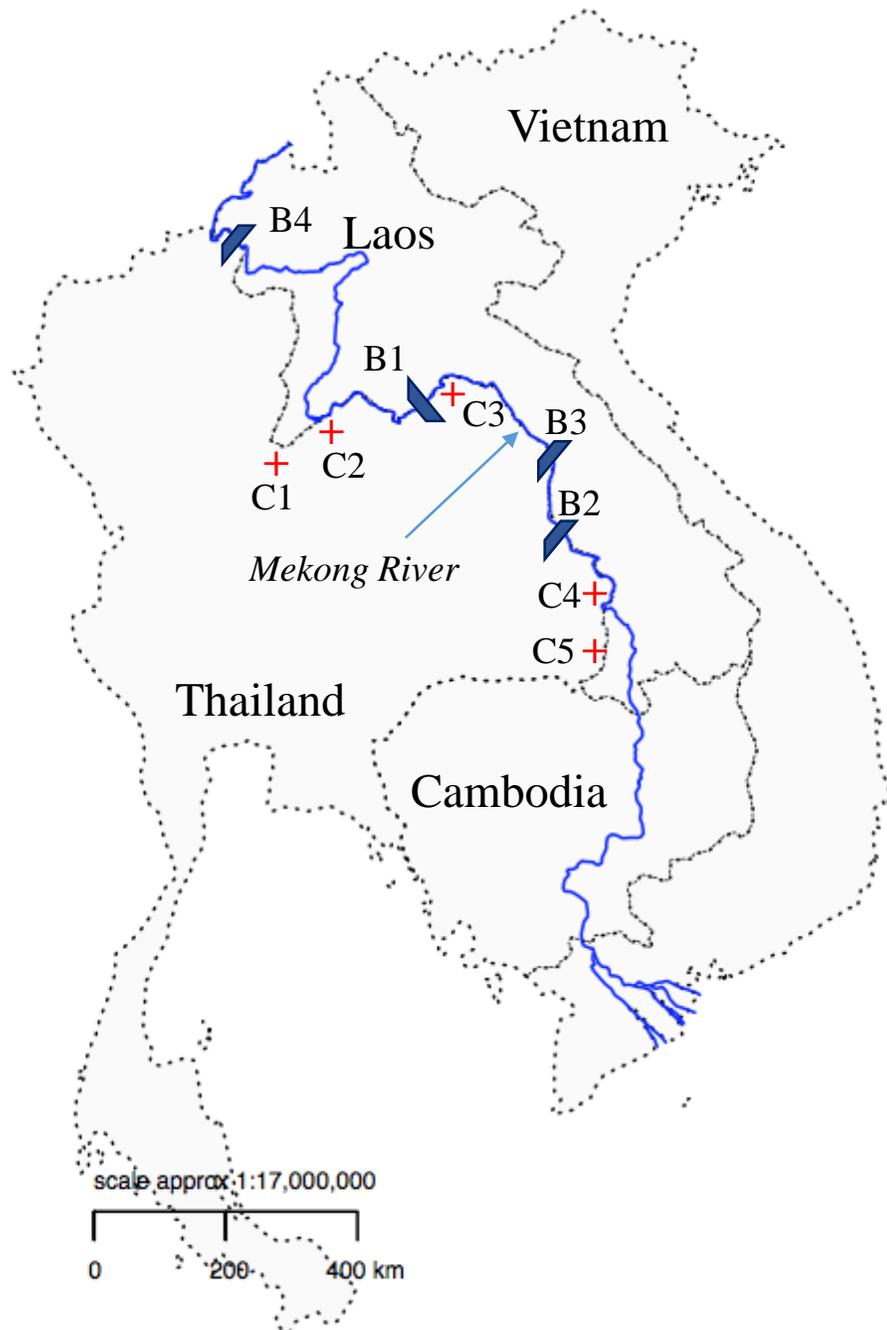
Bangkok Research Center

Institute of Developing Economies (IDE-JETRO)

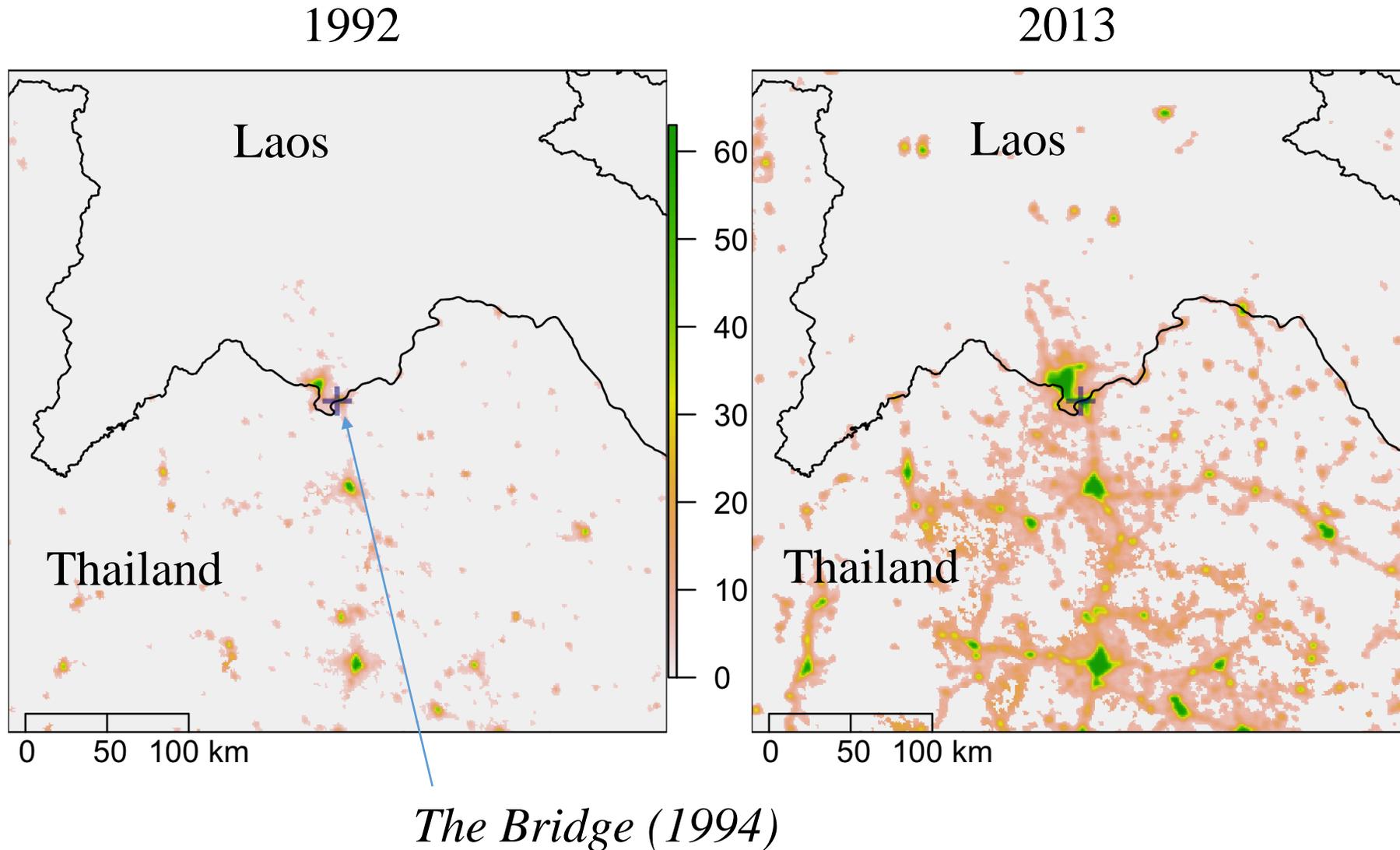
Integration Happen through Border Gates or Transport Infrastructures in reality

The Lao-Thai Mekong Friendship Bridges

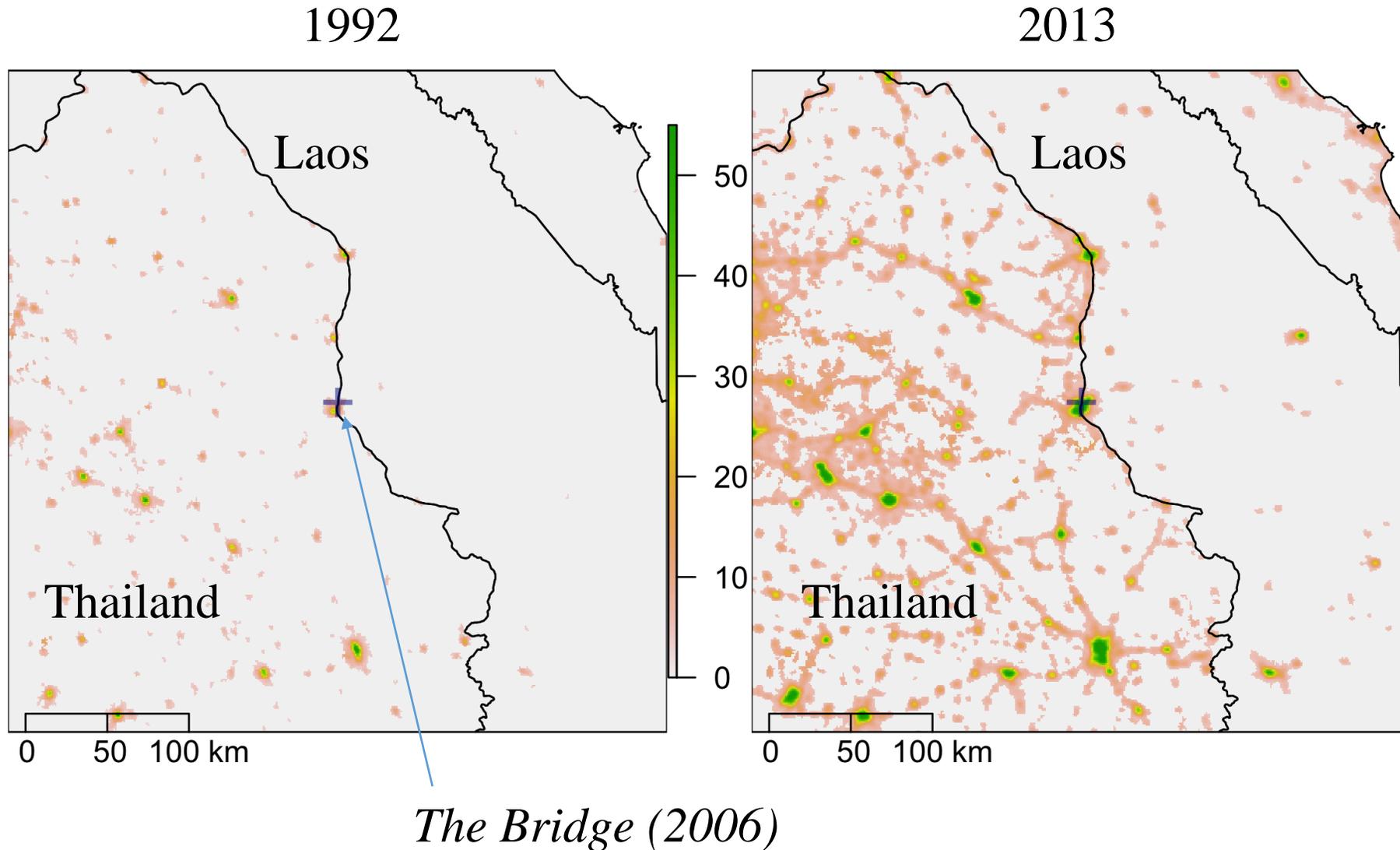
- The First Bridge (B1) (1994)
Vientiane Capital (Lao PDR) – Nong Khai (Thailand)
Grant from the government of Australia to Lao PDR and Thailand
- The Second Bridge (B2) (2006)
Savannakhet (Lao PDR) – Mukdahan (Thailand)
Low Interest Loan from the government of Japan to Lao PDR and Thailand
- The Third Bridge (B3) (2011)
Khammouan (Lao PDR) – Nakhon Phanom (Thailand)
Funded by the government of Thailand
- The Fourth Bridge (B4) (2013)
Bokeo (Lao PDR) – Chiang Kong (Thailand)
Jointly funded by the government of Thailand and China



Change of NTL around the First Bridge (B1)

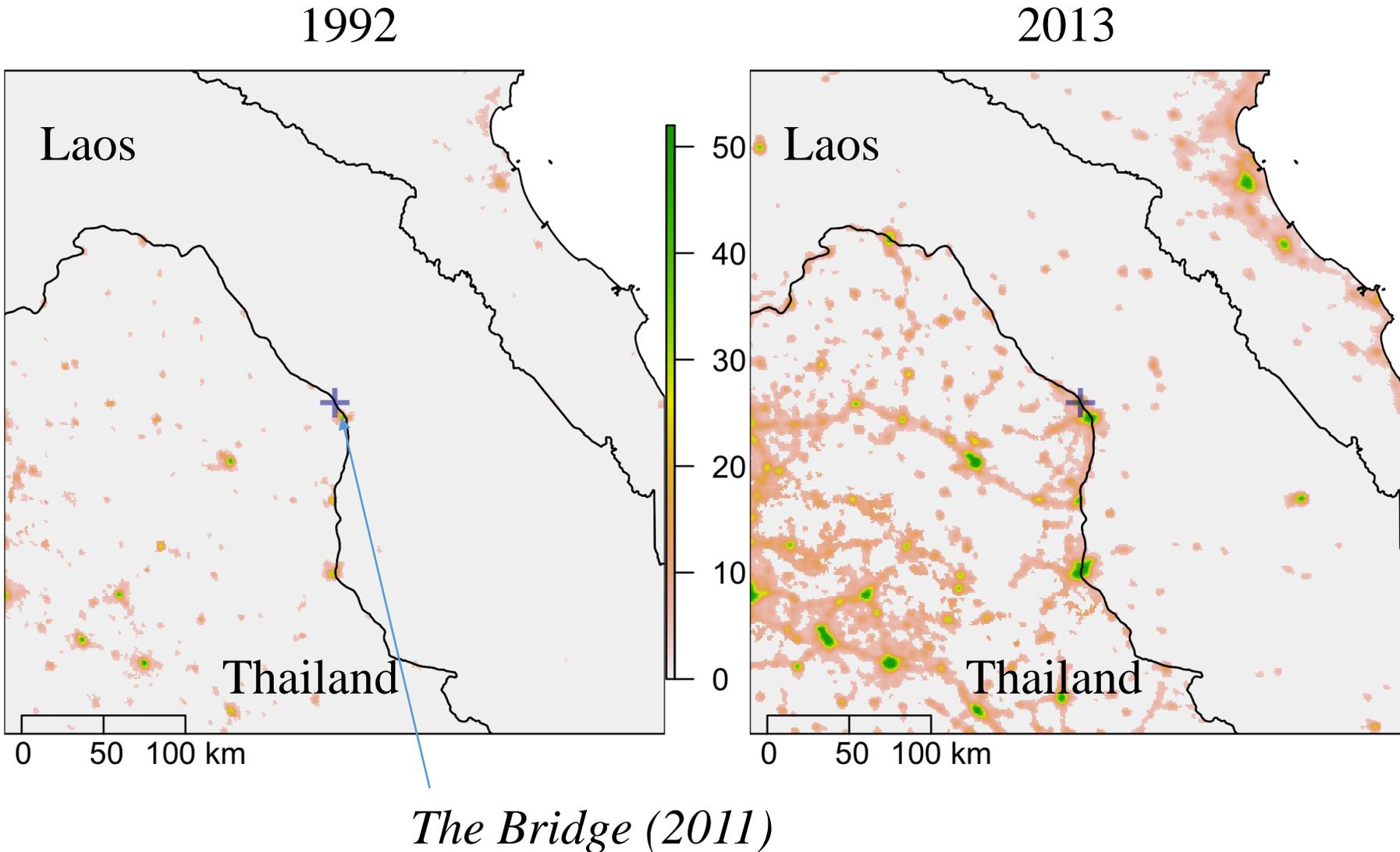


Change of NTL around the First Bridge (B2)

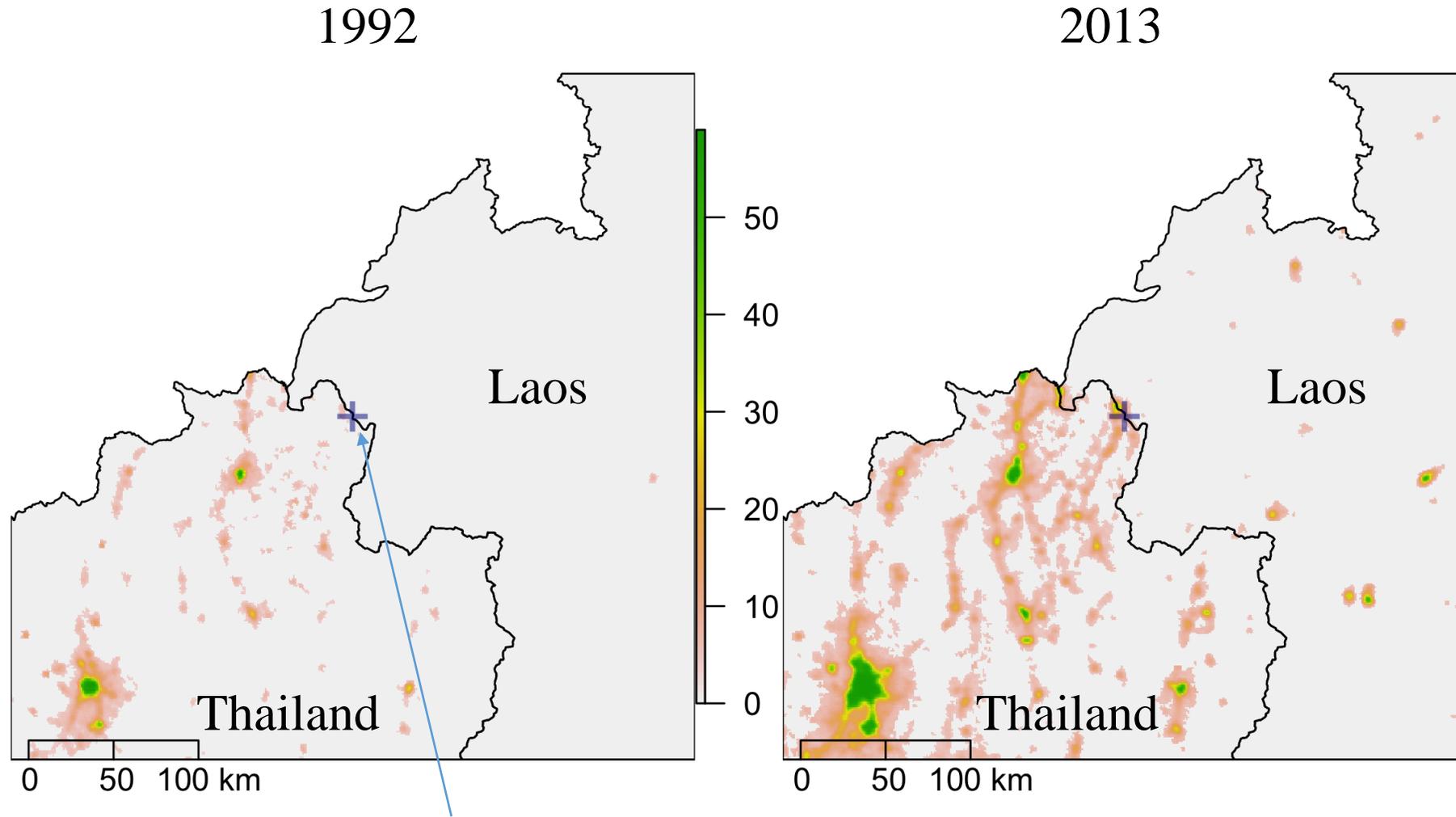


The Bridge (2006)

Change of NTL around the First Bridge (B3)



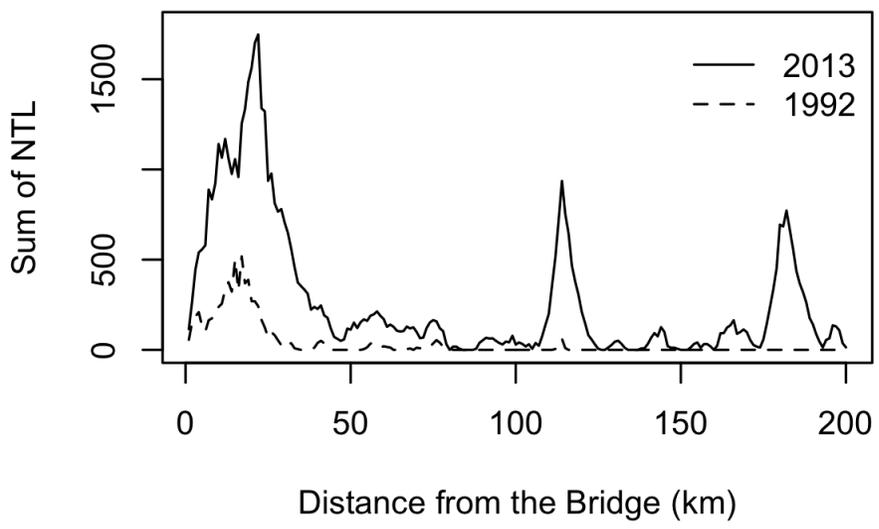
Change of NTL around the First Bridge (B4)



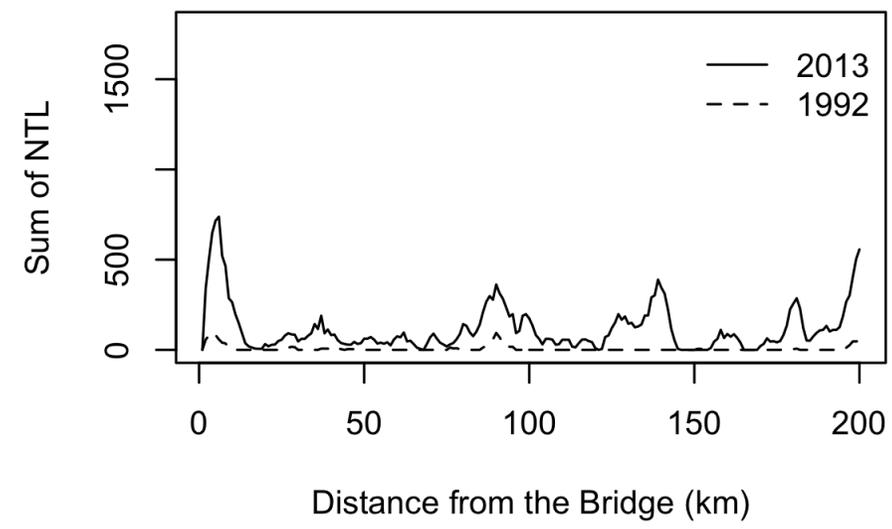
The Bridge (2013)

Sum of NTL by Distances

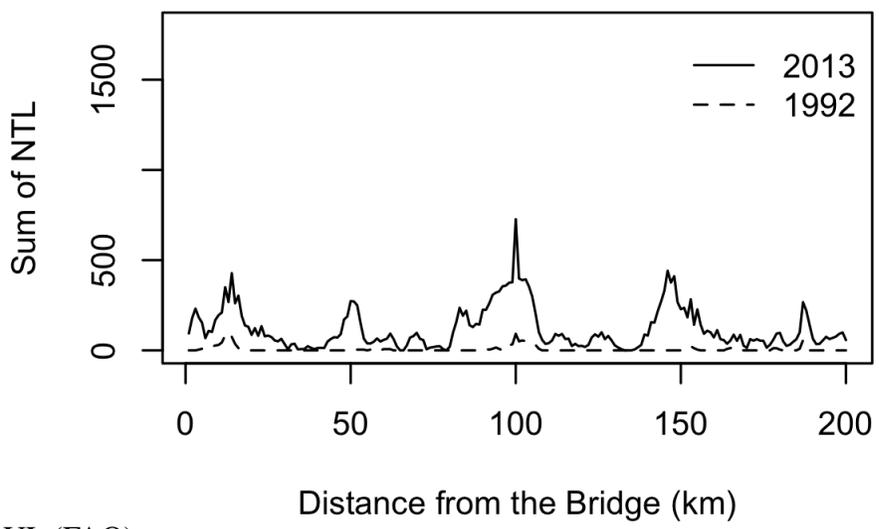
B1 (Lao Sides)



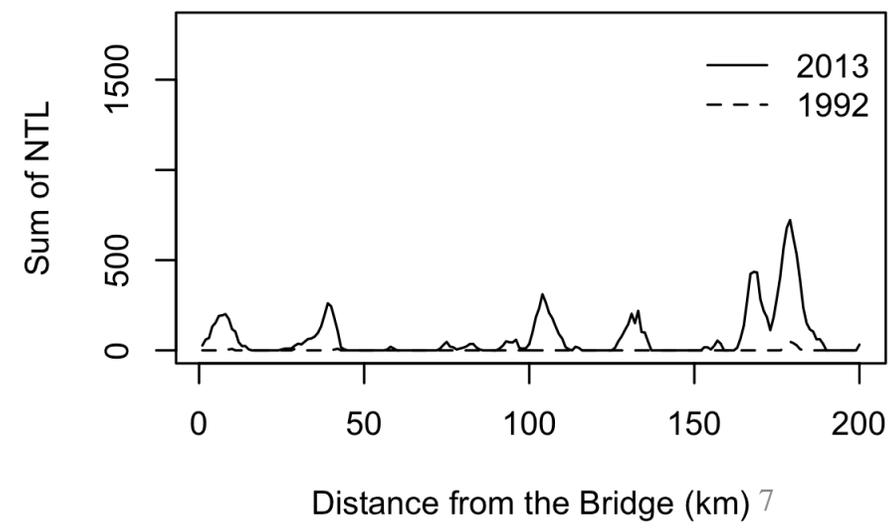
B2 (Lao Sides)



B3 (Lao Sides)



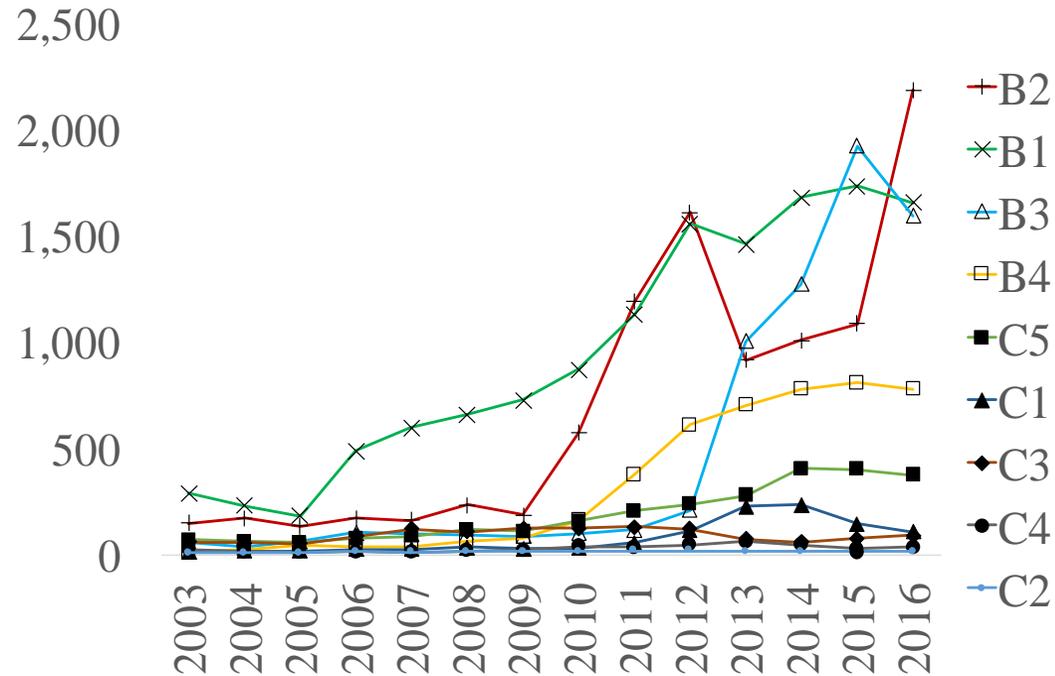
B4 (Lao Sides)



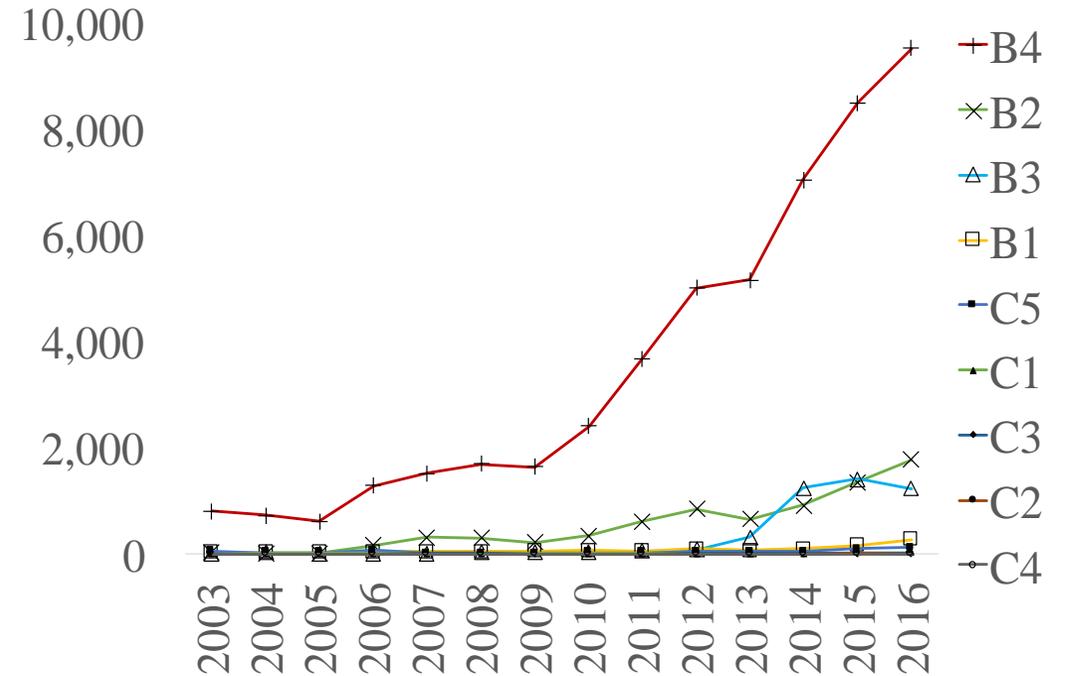
Source: Based on DMSP-OLS(NOAA) and GAUL (FAO).

Border Trade between Lao PDR and Thailand

Thailand to Laos (million USD)

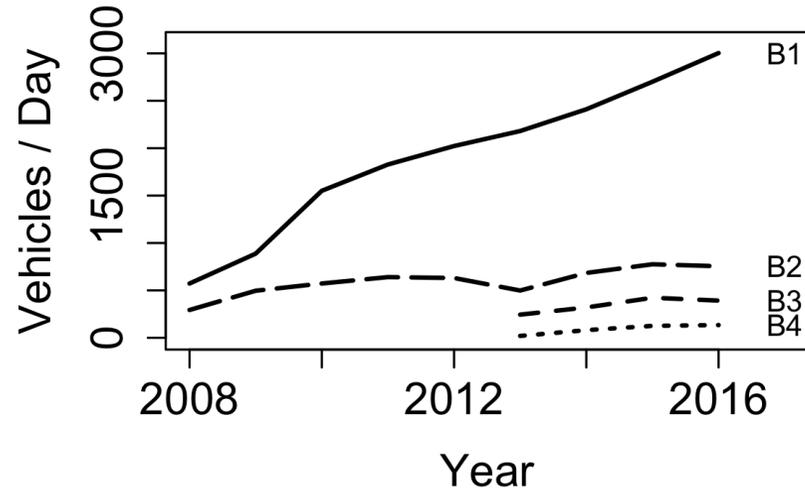


Laos to Thailand (million USD)

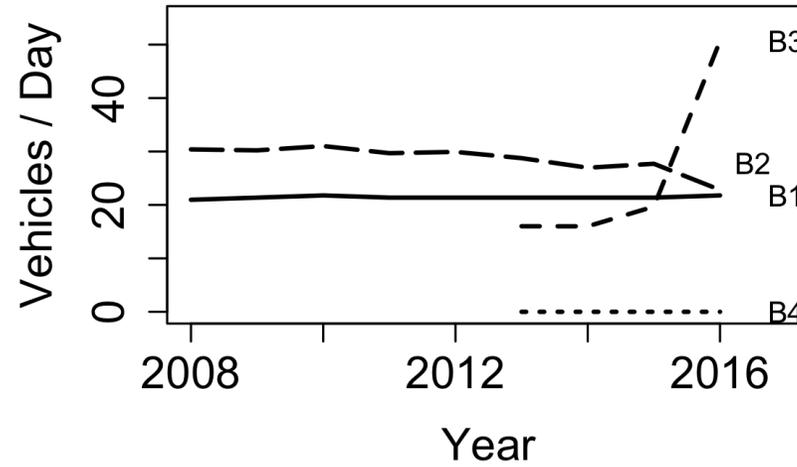


Traffic Flows between Lao PDR and Thailand (both ways)

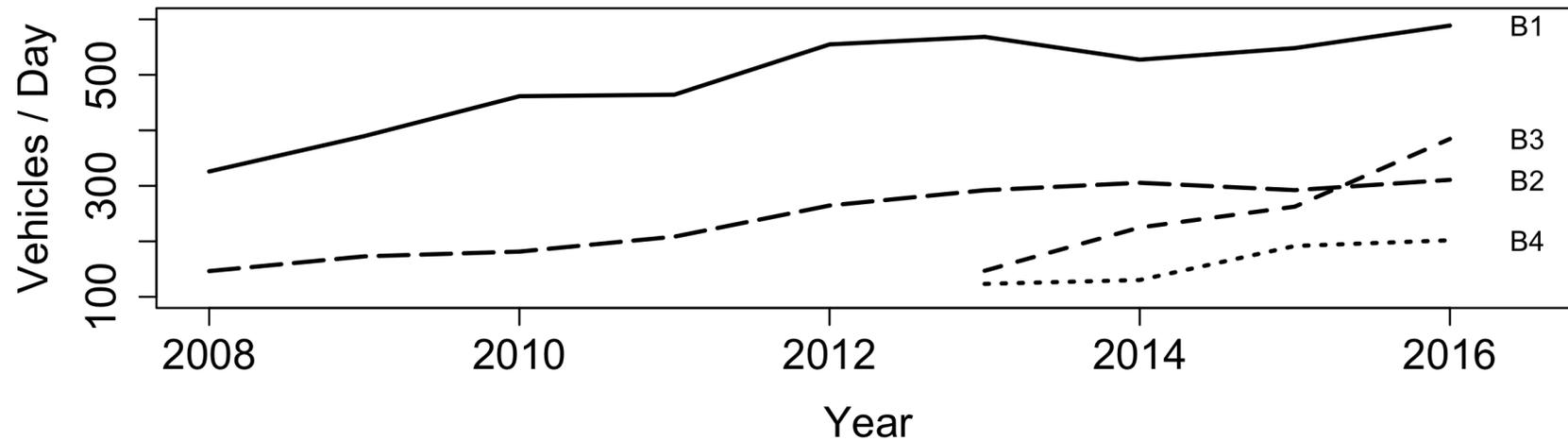
Car



Bus

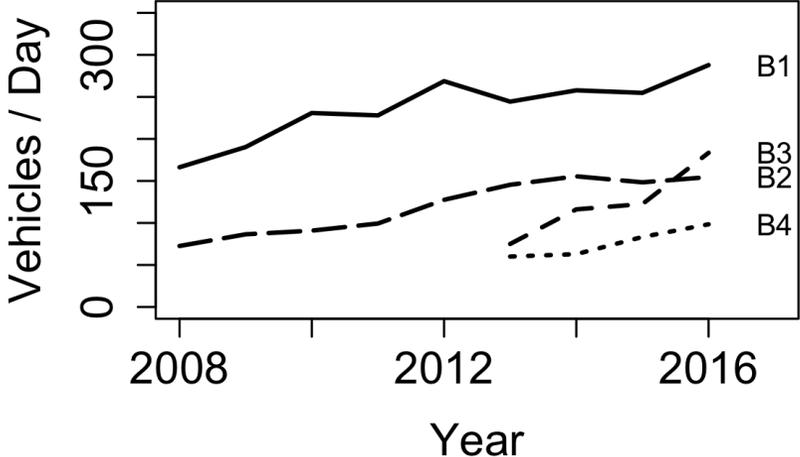


Truck

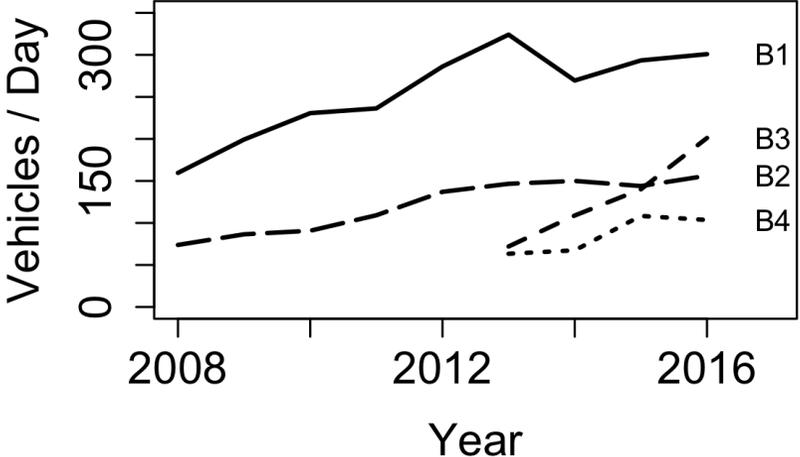


Traffic Flows between Lao PDR and Thailand

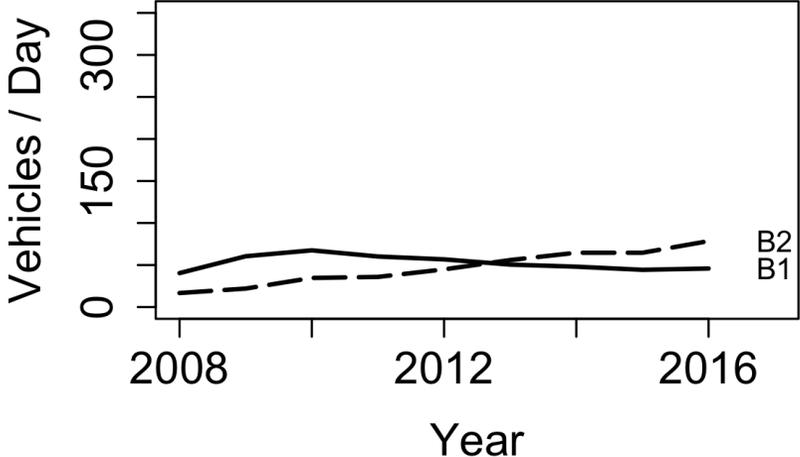
Truck (Lao to Thai)



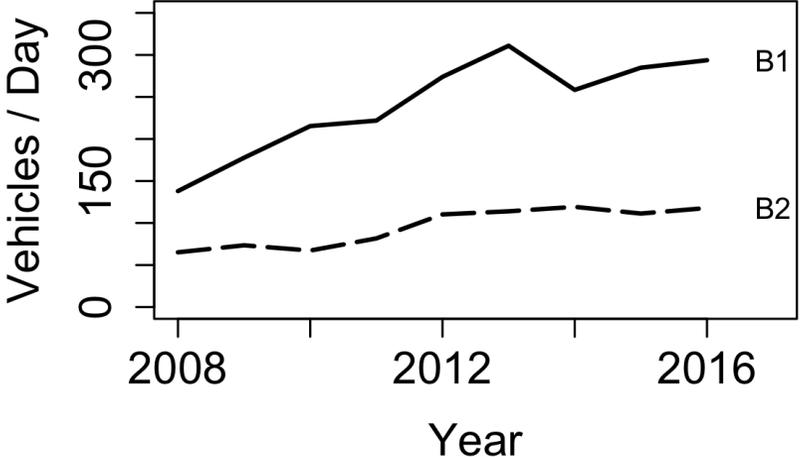
Truck (Thai to Lao)



Loaded Truck (Lao to Thai)



Loaded Truck (Thai to Lao)



Source: Based on Thailand's Custom Houses

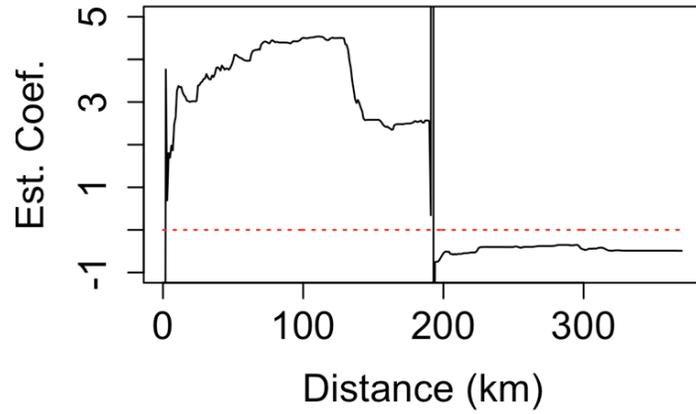
		<i>Dependent variable:</i>									
		log(NTL)									
		-10km	-20km	-30km	-40km	-50km	-60km	-70km	-80km	-90km	-100km
log(CarIO/Distance)		0.55*** (0.12)	0.56*** (0.12)	0.56*** (0.12)	0.71*** (0.12)	0.76*** (0.12)	0.75*** (0.12)	0.80*** (0.12)	0.79*** (0.12)	0.79*** (0.12)	0.86*** (0.13)
log(LTruckO/Distance)		0.78*** (0.14)	0.74*** (0.14)	0.75*** (0.14)	0.95*** (0.14)	1.02*** (0.14)	1.02*** (0.14)	1.10*** (0.14)	1.10*** (0.14)	1.10*** (0.14)	1.16*** (0.14)
log(LTruckI/Distance))		0.53*** (0.08)	0.44*** (0.06)	0.46*** (0.05)	0.52*** (0.04)	0.53*** (0.04)	0.53*** (0.04)	0.58*** (0.04)	0.59*** (0.04)	0.60*** (0.04)	0.57*** (0.04)
log(BusIO/Distance)		3.27*** (0.45)	3.01*** (0.41)	3.55*** (0.39)	3.79*** (0.38)	3.97*** (0.38)	3.97*** (0.37)	4.35*** (0.37)	4.40*** (0.37)	4.38*** (0.36)	4.50*** (0.38)
log(X/Distance)		-0.07** (0.03)	-0.07*** (0.02)	-0.02 (0.02)	0.005 (0.02)	0.01 (0.02)	0.02 (0.02)	0.01 (0.02)	0.02 (0.02)	0.02 (0.02)	0.01 (0.02)
log(M/Distance)		-0.01 (0.02)	-0.01 (0.01)	-0.03*** (0.01)	-0.06*** (0.01)	-0.08*** (0.01)	-0.08*** (0.01)	-0.08*** (0.01)	-0.08*** (0.01)	-0.08*** (0.01)	-0.06*** (0.01)
log(Pop_NB)		0.02 (0.02)	-0.04*** (0.01)	-0.003 (0.01)	-0.01 (0.01)	-0.01* (0.01)	-0.01 (0.01)	-0.01* (0.01)	-0.01* (0.01)	-0.01** (0.01)	-0.002 (0.01)
log(NTL_NB)		0.75*** (0.02)	0.69*** (0.01)	0.66*** (0.01)	0.59*** (0.01)	0.56*** (0.01)	0.52*** (0.01)	0.50*** (0.01)	0.48*** (0.01)	0.48*** (0.01)	0.55*** (0.01)
factor(year)2008		1.19*** (0.22)	1.12*** (0.22)	1.11*** (0.22)	1.38*** (0.22)	1.46*** (0.22)	1.43*** (0.22)	1.55*** (0.22)	1.55*** (0.21)	1.56*** (0.21)	1.70*** (0.22)
factor(year)2009		0.46*** (0.09)	0.44*** (0.09)	0.43*** (0.09)	0.53*** (0.09)	0.56*** (0.09)	0.55*** (0.09)	0.59*** (0.09)	0.59*** (0.09)	0.59*** (0.09)	0.68*** (0.09)
Observations		2,114	4,502	7,901	10,529	11,505	12,790	13,687	14,549	14,750	15,341
R ²		0.92	0.90	0.91	0.89	0.88	0.87	0.87	0.86	0.86	0.85
Adjusted R ²		0.87	0.84	0.85	0.80	0.79	0.77	0.76	0.75	0.74	0.73
F Statistic		1,528.32*** (df = 10; 1319)	2,486.37*** (df = 10; 2712)	4,777.85*** (df = 10; 4729)	4,784.83*** (df = 10; 6043)	4,733.78*** (df = 10; 6452)	4,816.13*** (df = 10; 7028)	4,896.06*** (df = 10; 7441)	4,925.95*** (df = 10; 7862)	4,943.99*** (df = 10; 7928)	4,777.38*** (df = 10; 8196)

Note:

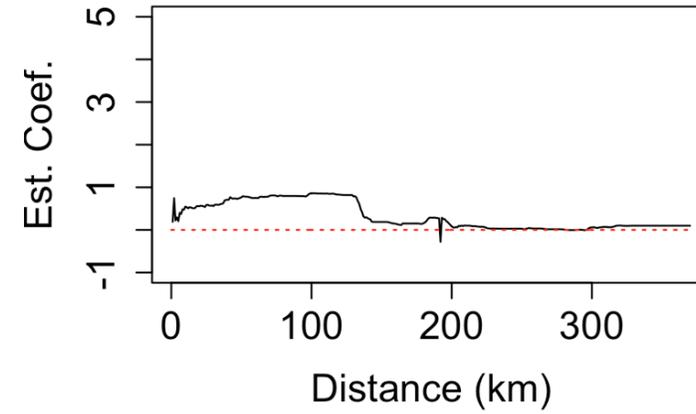
* p<0.1; ** p<0.05; *** p<0.01

Results

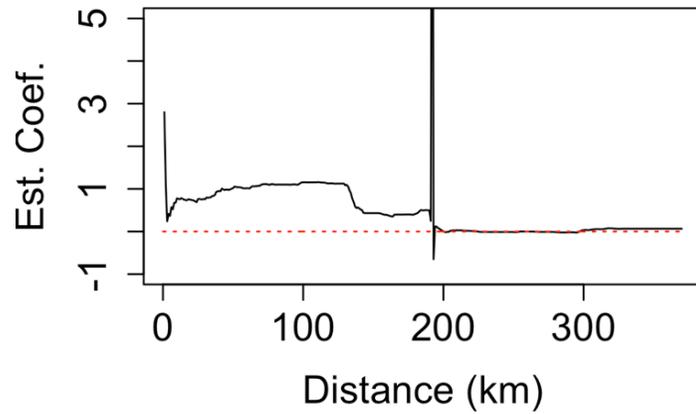
BUS (both directions)



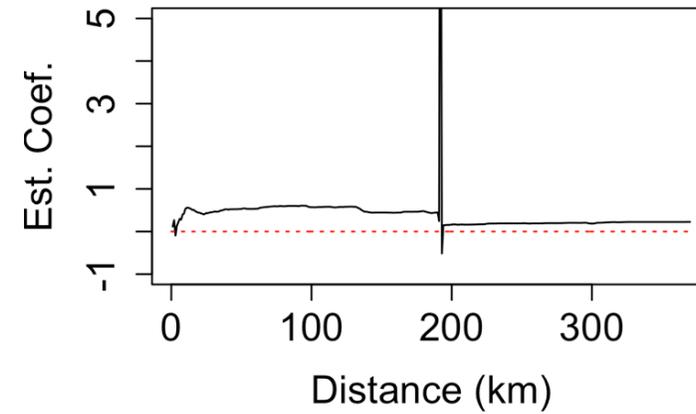
Car (both directions)



Loaded Truck (Out)



Loaded Truck (In)



Conclusions

- Growth has strong neighbor effects (spatial lag), and decreases by distance
- Flow of factors across border has much larger growth effects
- Growth effects differ by type of factors flowing across border

Policy implications

- Growth effect of economic integration is biased towards existing agglomeration, so policy measures are necessary if regional disparity is to be addressed
- Growth can be achieved more effectively through utilization of installed infrastructure and/or trade agreements

References

- KEOLA, Souknilanh. Impacts of Cross-Border Infrastructure Developments: The Case of the First and Second Lao–Thai Mekong Friendship Bridges. *Border Economies in the Greater Mekong Sub-region*. Basingstoke: Palgrave Macmillan, 2013, 163-185.
- KEOLA, Souknilanh; ANDERSSON, Magnus; HALL, Ola. Monitoring economic development from space: using nighttime light and land cover data to measure economic growth. *World Development*, 2015, 66: 322-334.
- (draft) KEOLA, Souknilanh. Measuring Impact of Regional Integration from Space: Tacking MAUP with Remote Sensing Data

Data

- DMSP-OLS (NOAA) <https://ngdc.noaa.gov/eog/>
- GAUL (FAO) <http://www.fao.org/geonetwork/srv/en/metadata.show?currTab=simple&id=12691>

Food for Sustainable Growth, Food for Zero Hunger

*Prof. Dr Kan Zaw
President
Myanmar Academy of Social Sciences(MASS)*

INTRODUCTION

- reducing food losses and food waste > to meet the food security and limited natural resources
- economic growth and food security > mutually reinforcing through the history of development
- population is growing > to reduce the rates of global hunger as well as lack of nutrients have been systematically undertaken
- 2nd priority of SDGs: “*end hunger , achieve food security and improved nutrition and promote sustainable agriculture*”

Conceptual Framework

HUNGER: THREAT FOR GROWTH

- food loss and its causes
- food waste and its causes
- challenges for food security
- consumer behaviour

History of World Hunger

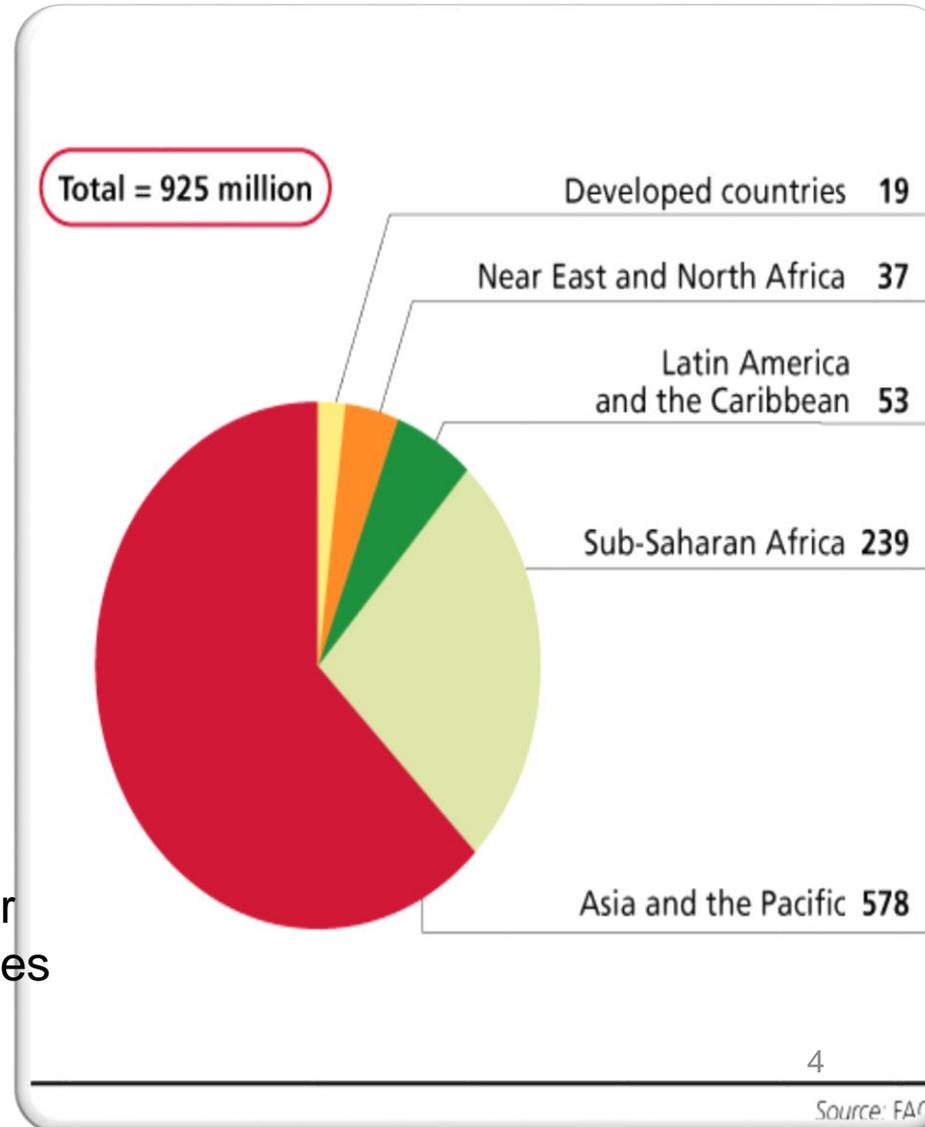
- Places affected by Malnutrition & Poverty

- Undeveloped countries
- Poor economic countries

- Malnutrition in the US and other developed countries

- Earliest Records of Starvation and Poverty

- The earliest record of poverty and hunger probably took place during the Roman Times and the Greek times.



HUNGER

- More than 840 million people in the world are malnourished—799 million of them are from the developing world. More than 153 million of them are under the age of 5.
- 6 million children under the age of 5 die every year as a result of hunger.
- Of the 6.2 billion people in today's world, 1.2 billion live on less than \$1.5 per day.
- The proportion of people living on less than \$1.5 a day has fallen from 29 percent to 23 percent in the past 10 years, although that masks significant regional differences.
 - East Asia has seen a drop from 28 percent to 14 percent.
 - South Asia has seen a drop from 44 percent to 37 percent.
 - Africa has seen a drop from 48 percent to only 47 percent.

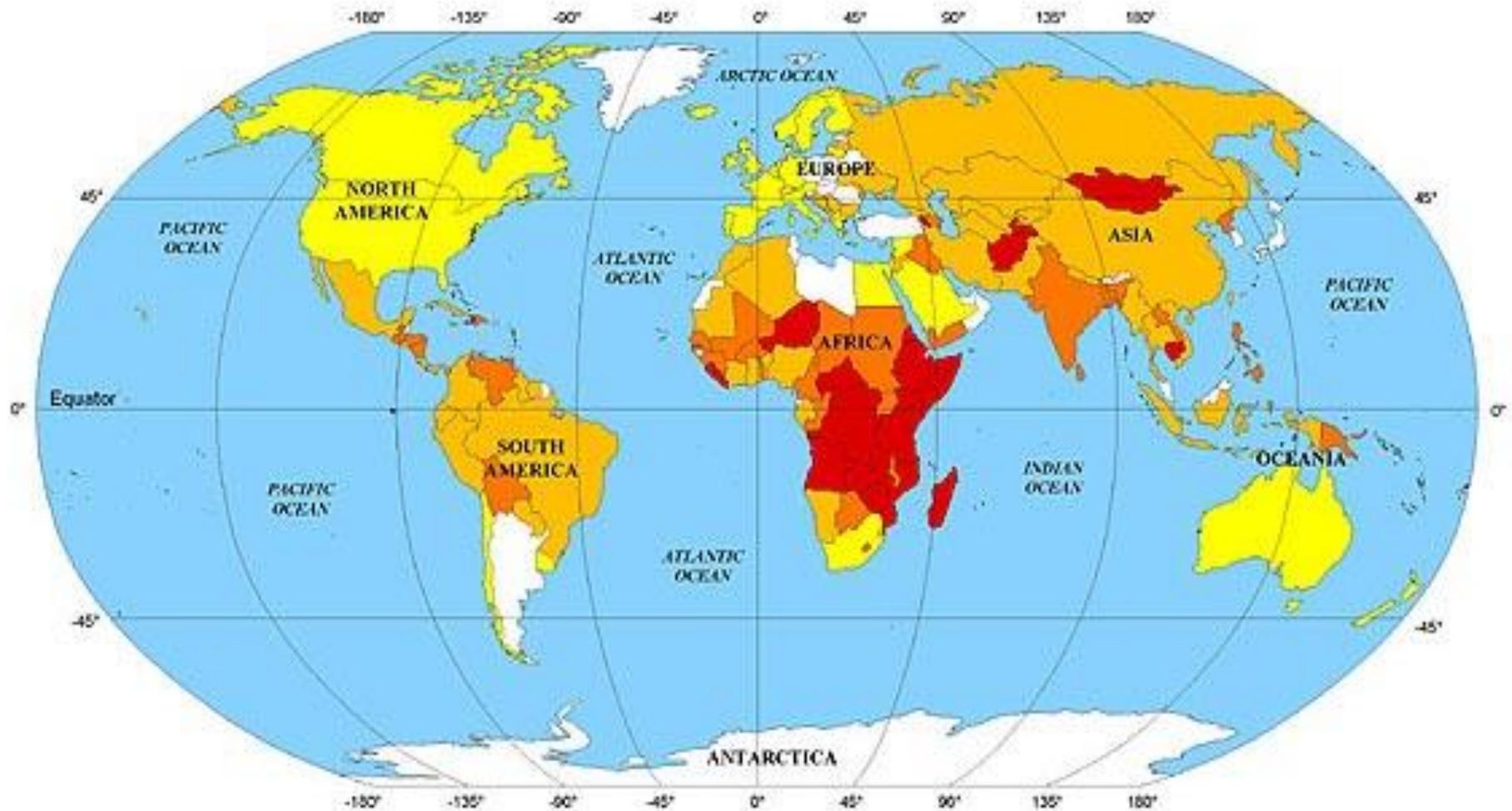
HUNGER

- Virtually every country in the world has the potential of growing sufficient food on a sustainable basis.
- Worldwide, there are 2,805 calories available per person per day. Fifty-four countries fall below that requirement; they do not produce enough food to feed their populations, nor can they afford to import the necessary commodities to make up the gap.
- Most of these countries are in sub-Saharan Africa.

CAUSES OF HUNGER

- Food wastage is high:
- The impacts of this waste is not just financial. Environmentally this leads to: Wasteful use of chemicals such as fertilizers and pesticides;
- More fuel used for transportation
- More rotting food, creating more methane — one of the most harmful greenhouse gases that contributes to climate change.
- The direct medical cost of hunger and malnutrition is estimated at \$30 billion each year.
- Diversion of land use to non-productive use
- Increasing emphasis on export-oriented agriculture
- Inefficient agricultural practices

World Hunger Map



Proportion in total population

Percentage 1998 - 2000



< 5 %

5 - 20 %

20 - 35 %

> 35 %

No data available



FAO-GIS (ESNP / SORN)

UNDERTAKEN ATTEMPTS

❖ Brazil- Zero Hunger (Fome Zero)

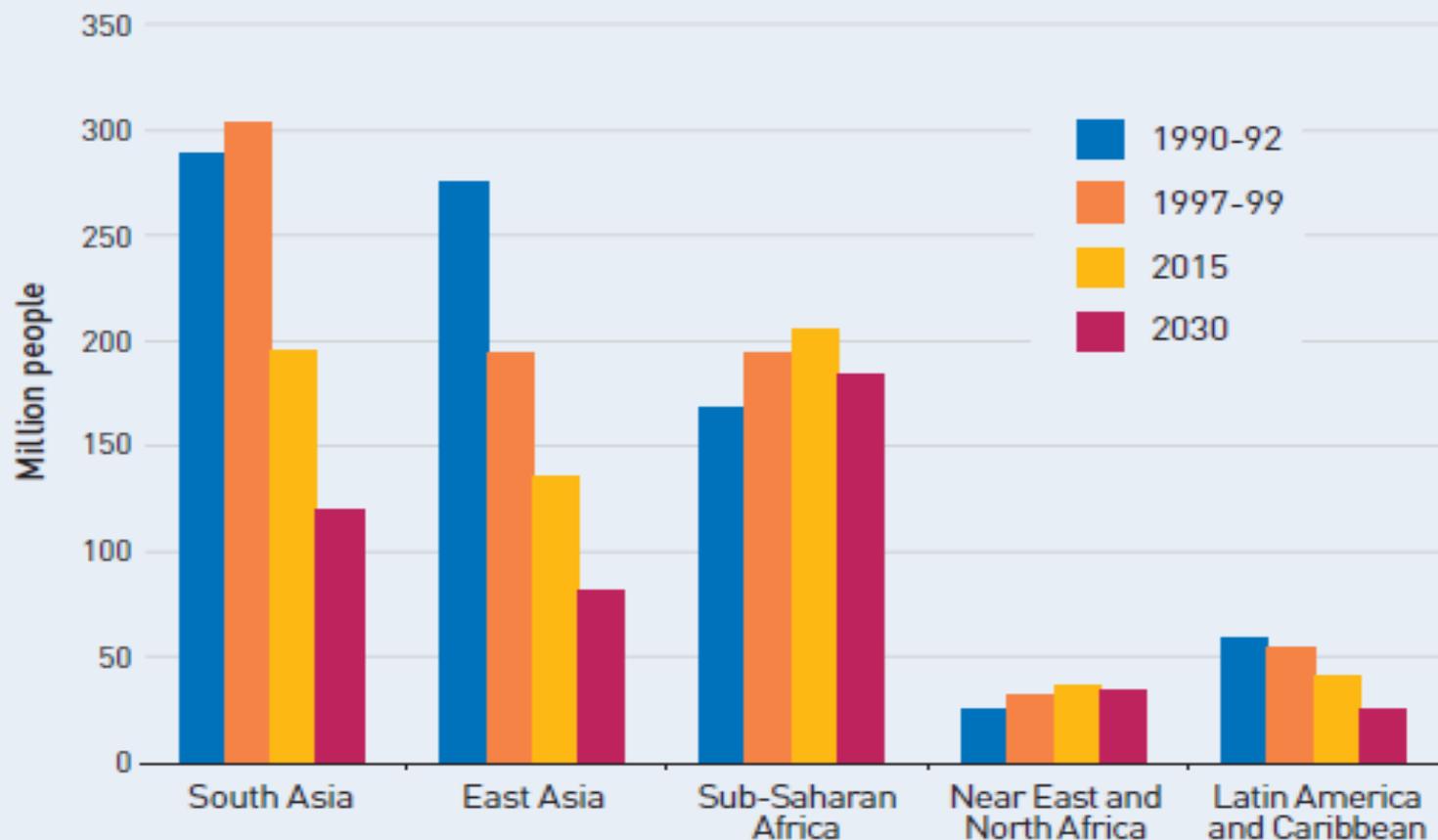
- Giving financial aid to the poorest families.
- Creating low-cost restaurants, educates people about healthy eating habits, and gives out vitamins to those who need it.

❖ South Africa- New Growth Plan

❖ China-

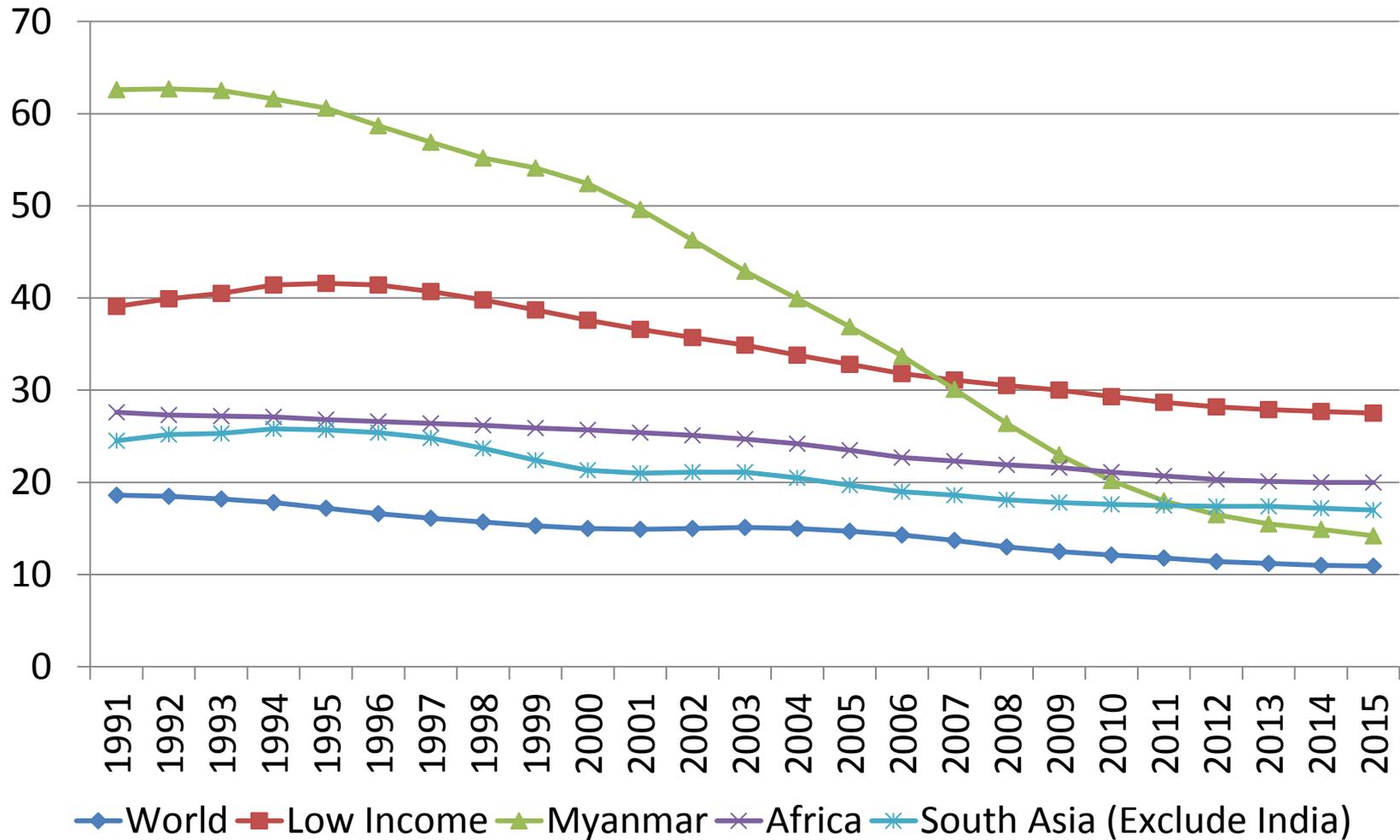
- One Child Policy
- Investment in Agriculture
- Increase Production of Resources
- Reduce or Removal of Tariffs
- Reform Organizations/Create New Organizations
- Re-launch of DOHA Negotiations
- Reform of Global Financial Governance/Global Governance

Number of undernourished people by region, 1990-92 to 2030



Source: FAO data and projections

Prevalence of undernourishment (%)



Source: FAOSTAT

Post Harvest Food Loss Component



Developing countries lose 30 to 80% of their perishable foods (fruits, vegetables, root crops) before consumption

Food Losses and Waste



Food is lost or wasted throughout the supply chain, from initial agricultural production down to final household consumption. (FAO)

Causes of Food Waste

Low Income Countries

- Financial
- Managerial
- Technical limitations in harvesting techniques
- Storage and cooling facilities
- Infrastructure including transportation
- Packaging
- Marketing

Medium- and high-income countries

Consumer Behaviors

Policies and Regulations

Post Harvest Loss

- Post-harvest losses vary from 35 to 50% of the total production
- In Asia post-harvest losses are estimated at around 30% or 5 billions of USD a year
- Rodents contribute to the PHL in the rice sector of Asian countries by 6 %, an amount equivalent to the rice consumption of about 225 million people in this region

World Faces Challenges:

- **Population growth**
- **Need for more food**
- **Urbanization**

Per Capita Food Consumption

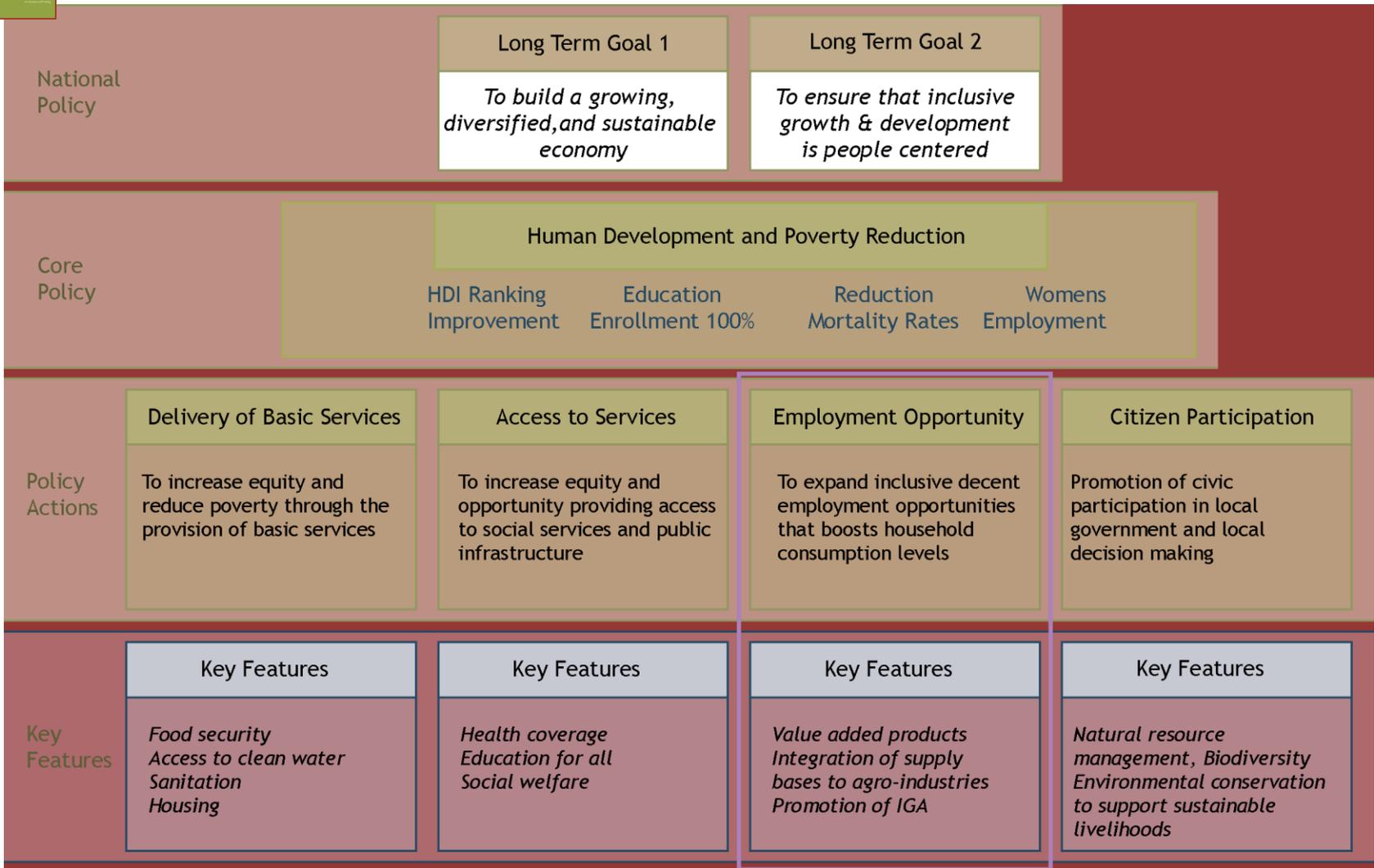
Year	Kcal/person/day
1970	2370
2005-2010	2770
2050> (Projection)	>3000

- Climate Change & Food Borne illness
- Global Issues: Food Security, malnutrition, poverty, food waste
- 1/3 of food produced for human consumption is lost or wasted globally



Food Supply Chain
Effective Communication System
Private Sector Development
Value Chain Development

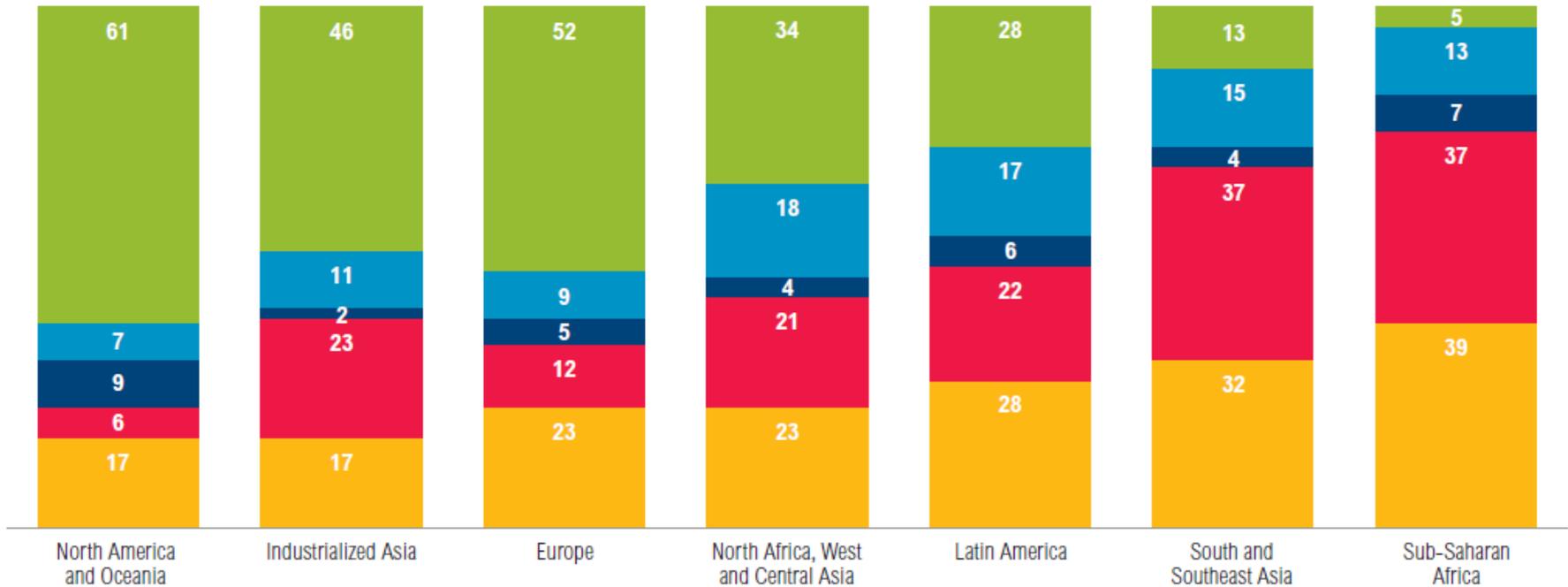
Myanmar Poverty Reduction Strategy



FOOD LOST OR WASTED BY REGION AND STAGE IN VALUE CHAIN, 2009

Percent of kcal lost and wasted

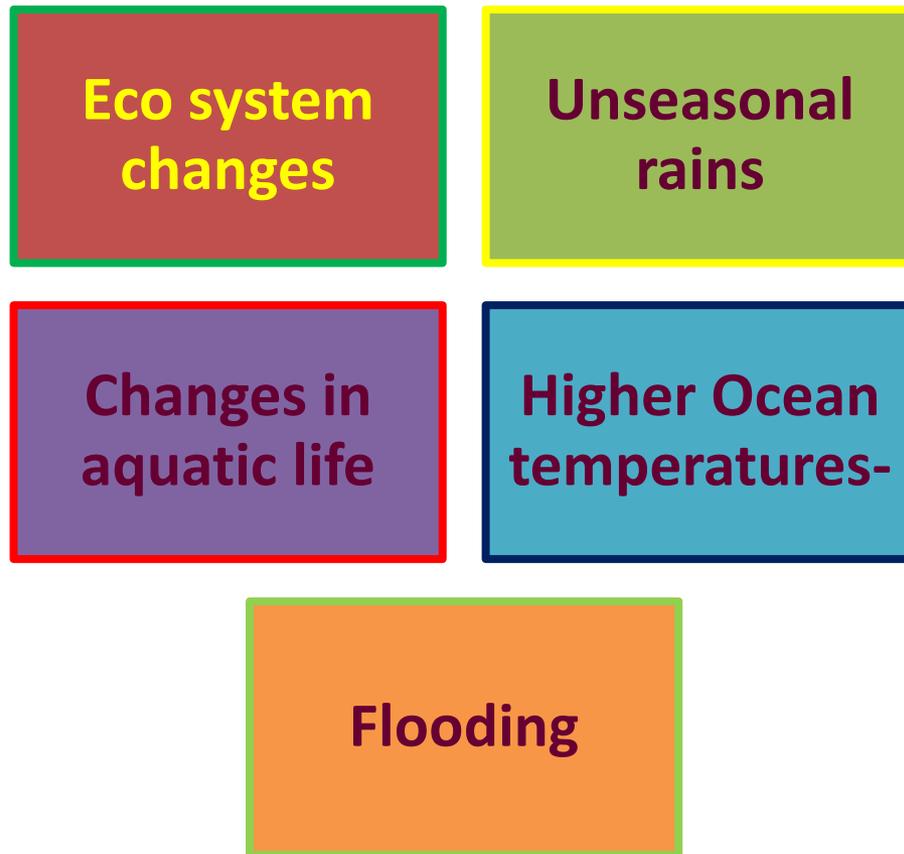
■ Production
 ■ Handling and Storage
 ■ Processing
 ■ Distribution and Market
 ■ Consumption



Post Harvest Losses and Management

- ❑ Post- Harvest Management (PHM) can be defined as methods and techniques applied to increase the life and retain produce.
- ❑ Post-harvest grain loss is the loss of grains (quality and/or quantity) between the moments of harvest and consumption.
- ❑ The losses by two main causes:
 - a) Shelling and Drying Techniques (Moisture content)
 - b) Storage and Handling

Climate change and Food safety



Pillars of Sustainable Development

- **Economic Development** – poverty eradication
- **Social Development** – active participation of women; education; good governance
- **Environmental Protection** – prevent environmental degradation and patterns of unsustainable Dev. (at the local, national, regional, and global levels)

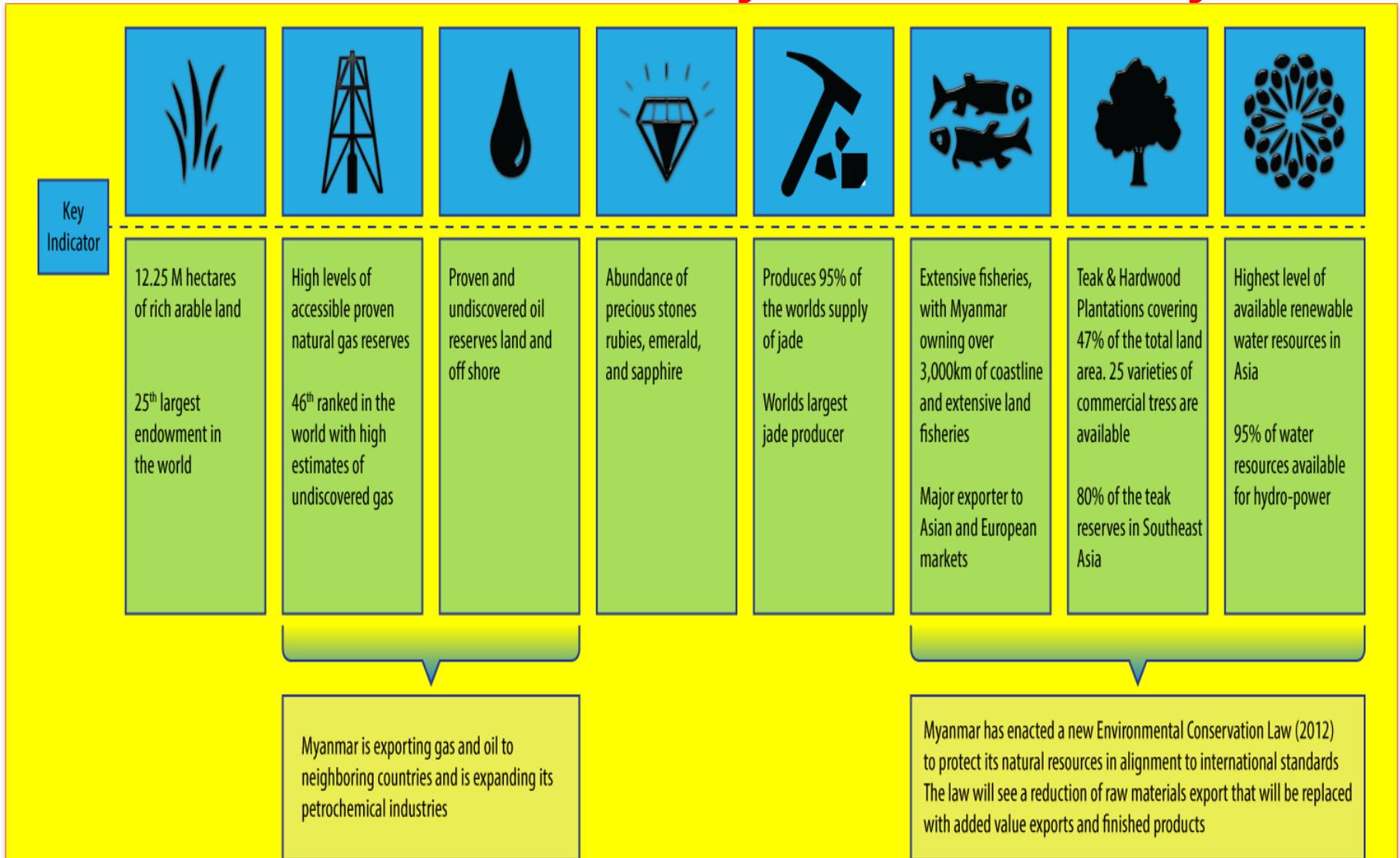
MYANMAR AND ITS ZERO HUNGER INITIATIVES

- Evaluation of Myanmar Initiatives
- Policy Support

Activities in Myanmar

- **Central and Working Committees for Food and Nutrition Security have been formed .**
- **National Action Plans of Food and Nutrition Security is working in progress.**
- **GAP and GMP has been introduced.**

POTENTIALS of Myanmar Economy



Source : Myanmar Comprehensive Development Plan (2011-2031), MNPED

Policy Intervention

- To support the development of agricultural public goods
- To support modern supply chain
- To develop post harvest loss reduction strategy
- To improve quality and standardization
- To collaborate and collective actions among stakeholders
- To reduce poverty

ZERO HUNGER CHALLENGE (ZHC)

- launched by UN Sec-Gen Ban Ki-moon in 2012
- ZH Vision within SDGs
- **Five Key Objectives** :
 - 1) 100% access to food all year round
 - 2) Ending stunting among children under two years of age
 - 3) Making all food systems more sustainable
 - 4) Doubling crop productivity and income for smallholder farmers
 - 5) Reducing food waste and post-harvest losses

How to streamline the delivery of the 5 Zero Hunger Challenge ZHC Targets

5 ZHC Targets



ZHC 1



access to adequate food all year round

ZHC 2



stunted children younger than 2 years

ZHC 3



food systems are sustainable

ZHC 4



increase in smallholder productivity and income

ZHC 5



loss or waste of food

Myanmar's Initiatives for ZHC

- concrete, time- bound actions towards the alleviation of food security and malnutrition

POLICY SUPPORT

- National Comprehensive Development Plan(NCDP)
- National Plan of Action for Food and Nutrition(NPAFN)
- Newborn and Child Health Strategic Plan(NCHSP) and Reproductive Health Strategic Plan(RHSP)
- Myanmar's National Strategy on Rural Development and Poverty Alleviation(NSPARD)
 - National Action Plan for Poverty Alleviation and Rural Development through Agriculture Programme (NAPA)
 - Myanmar Rice Sector Development Strategy(MRSDS)
 - National Action Plan on Disaster Risk Reduction (NAPDRR)
 - National Social Protection Plan (NSPP)

National Comprehensive Development Plan (NCDP 2011-2031)

- long-term government objectives aimed at promoting exclusive growth and reducing socio-economic gaps across the country. Given the importance of the sector in the productive capacity of the country, agriculture figures prominently in the NCDP vision. It sets overall strategic objectives set of growing agricultural production to fulfil national consumption needs, to increase agricultural exports, and to use agriculture as a conduit for overall rural development and poverty reduction.

National Plan of Action for Food and Nutrition-NPAFN (updated 2011-2015)

- , which has been endorsed by the Government as a multisectoral plan since 1994, following ICN-1 recommendations, is one of these prominent plans. The purpose of the NPAFN was to serve as a comprehensive multisectoral plan which included both nutrition specific and sensitive interventions across several Ministries to support food and nutrition in Myanmar.

Reproductive Health Strategic Plan

- Under the Ministry of Health, relevant plans to support nutritional outcomes include the national ***Newborn and Child Health Strategic Plan*** and the national ***Reproductive Health Strategic Plan***. Many critical nutrition interventions and services are included in these plans by ensuring that nutrition is mainstreamed into essential maternal, new-born and child health services. Nutrition interventions are also included in National Comprehensive Development Plan - Health Sector (2010/11- 2030/31). Attention has also been focused to issues of poverty and rural development.

Myanmar's National Strategy on Rural Development and Poverty Alleviation (NSPARD)

- aims to reduce the poverty rate by half from 32% in 2005 to 16% by 2015. Since 2014, Government of the Union of the Republic of Myanmar has implemented the ***National Action Plan for Poverty Alleviation and Rural Development through Agriculture Programme (NAPA)***. NAPA is also to guide investment in the agriculture and its allied food sectors and suggest policy and institutional reforms that will contribute to poverty alleviation and rural development. Moreover, a number critical areas of investment in agriculture and rural development that have helped to guide the choice of development priorities in the relevant areas will be addressed.

Myanmar *Rice Sector Development Strategy*: 2015 -2030 (MRSDS)

- launched in May 2015. The ultimate goal of the Rice Sector Strategy is to achieve a food-secure, and for farming households in rural areas to enjoy decent standards of living with the income derived from rice and rice based farming, through rural infrastructure development and post-harvest loss processes. It will be a platform for efforts to diversify production and utilisation which is critical for food and nutrition security.

Myanmar National Action Plan on Disaster Risk Reduction (2012)

- . The goal of the Plan is to “make Myanmar safer and more resilient against natural hazards, thus protecting lives, livelihood and developmental gains”. The Action Plan includes a comprehensive summary of Myanmar’s hazard risk profile as well as an overview of the measures to be taken to improve Myanmar’s ability to manage its disaster risks and public employment provisions that will enhance livelihoods in vulnerable areas. This will also support for strengthening the preparedness and resilience of communities subject to disasters.

National Social Protection Strategic Plan 2014

- The Government of the Union of the Republic of Myanmar launched its in December 2014, which proposes to universalize maternal child protection grants (which is meant to support the health and nutritional well-being of young children), expand maternal services and leave provisions and provide other social safety nets to protect livelihoods and prevent food insecurity. A specific contribution to Myanmar's economic and social development that is to ensure that children achieve appropriate, physical and cognitive development levels in their first 1000 days of life that will facilitate success later in life is a remarkable outcome to be made. Since it included preparing communities better for disasters, and improving their resilience when a disaster occurs and another milestone to be made under this is Myanmar Youth Policy which is also under development.

RECOMMENDATION:

SET FOOD LOSS AND WASTE REDUCTION TARGETS

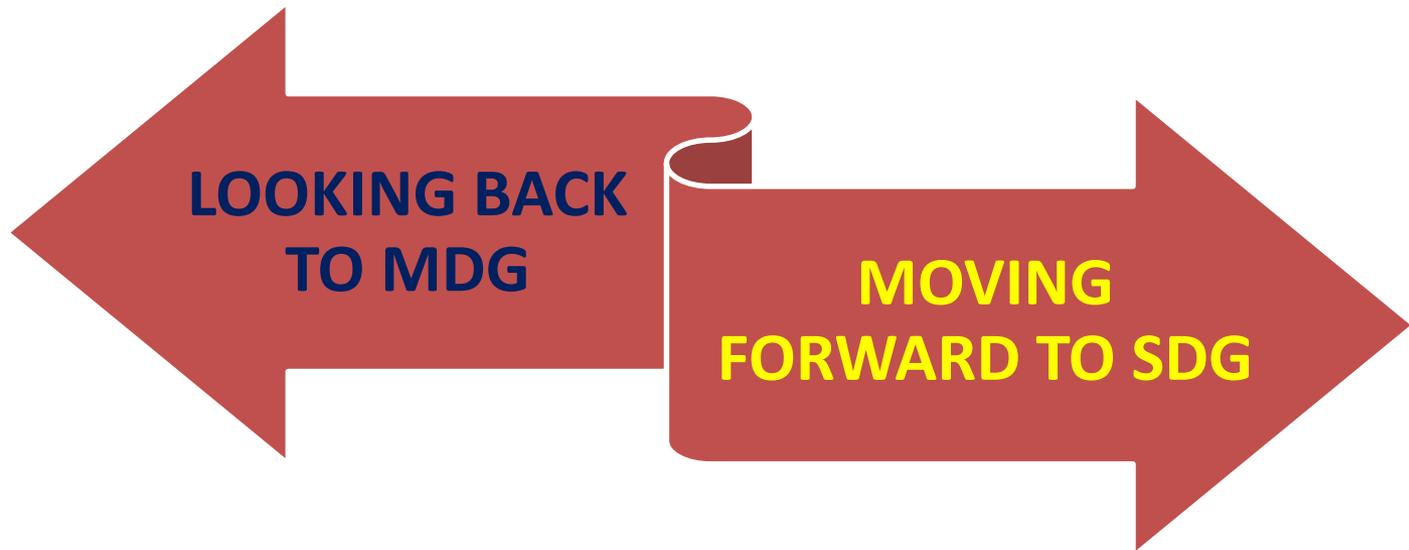
- **Global**
- **National**
- **Sub-national**
- **Private sector**

REGIONAL HUNGER REDUCTION (2015 to 2030)

- Hunger-Free Latin America and the Caribbean Initiative
- Africa's Renewed Partnership to end Hunger by 2025
- Zero Hunger Initiative for West Africa
- Asia –Pacific Zero Hunger Challenge
- Pilot Initiatives of Bangladesh, Lao PDR, Myanmar, Nepal and Timor -Leste

Global Message for World Food Day 2016

“Climate is changing. Food and agriculture must too.”



**LOOKING BACK
TO MDG**

**MOVING
FORWARD TO SDG**

Progress with MDG -1

- 1990/92 - one billion undernourished 23.2 %
- 2010/12 - 870 million 12.5 %
- 11.6 % target may be reached by 2015
- Remains unacceptably high
- Rising in Africa by 2 % / year since 2007
- Global food demand increasing
- Risks increasing

Lessons learned

- MDGs important catalyst
- Did not specify means or strategies for achieving goals
- Did not anticipate threats, need to address root causes, or interdependence of poverty and hunger

Pathway to ending hunger

- Sustainable agricultural growth
- Right to food and nutrition sensitive policies
- More equitable food systems
- Social protection
- National political commitment
- Public and private investment
- Transparent and inclusive governance

Pathway to ending hunger (continued)

- **For domestic private sector**, including farmers
 - to produce more food
 - develop markets
 - support credit institutions
 - invest in small enterprises that employ people
 - develop skills
- **For global and civil society**: to design and implement development activities
 - promote open, vigorous, and peaceful debate
- **Transnational business and industry**: to make
 - useful proprietary technologies available
 - provide innovative financial support to sustainable
 - development practice social responsibility

MOVING FORWARD

- Sustainable and resilient food production and consumption
- Good nutrition for all
- Agents of transformation
- Investments
- Making *sure* vision is realized
- Call for action

MOVING FORWARD

- World food system faces major challenges
- Pathway to ending hunger and malnutrition is known and achievable
- Common vision emerging offers unified overarching and comprehensive agenda
- Widely agreed that the SDGs should be global in nature and universal in application.
- SDGs should incorporate the Rio Principles and be integrated with the MDGs.

MOVING FORWARD

- Food Security is an essentially contested concept
- Different food production systems make different demands on the environment
- Modern agriculture is heavily reliant on finite external inputs such as oil and fertiliser
- Consumers play a role in structuring the food system through their food choices
- The number of people experiencing hunger continues to grow, both in wealthy and poor countries.

Further RECOMMENDATIONS

- ✓ Free Market
- ✓ Increase skilled Labor
- ✓ Increase jobs through investment into state and private companies
- ✓ Increase border trade through increase in cross border infrastructure.

Thank You



Financial inclusion in APEC: Achievements, Issues, and Agenda

Presenter: Dr. CAN Van Luc

***at the APEC STUDY CENTERS CONSORTIUM
CONFERENCE 2017***

Hanoi, May 12th, 2017

CONTENTS

- I. Financial inclusion: what does it really mean?**
- II. Financial inclusion in APEC**
- III. Future agenda**

I. Financial inclusion: what does it really mean?

Financial inclusion?

Financial inclusion:

1. Access to a full range of financial services

Including credit, savings, insurance, and payments ..etc.

2. Be provided with quality

Convenient, affordable, suitable, provided with dignity and client protection

3. To everyone who can use financial services

With special attention to rural areas, people with disabilities, women, and other often-excluded groups.

4. With financial capability

Clients are informed and able to make good money management decisions

5. Through a diverse and competitive marketplace

A range of providers, robust financial infrastructure and clear regulatory framework.

(Adopted from Accion).

Financial inclusion?

According to the UN, Financial inclusion:

- Universal access, at a reasonable cost, to a wide range of financial services, provided by a variety of sound and sustainable institutions.
- Inclusive finance strives to enhance access to financial services for both individuals and MSMEs.
- In developing countries, access to financial services is crucial to strengthen financial sectors and domestic resource mobilization and can therefore make a significant contribution to social and economic development.

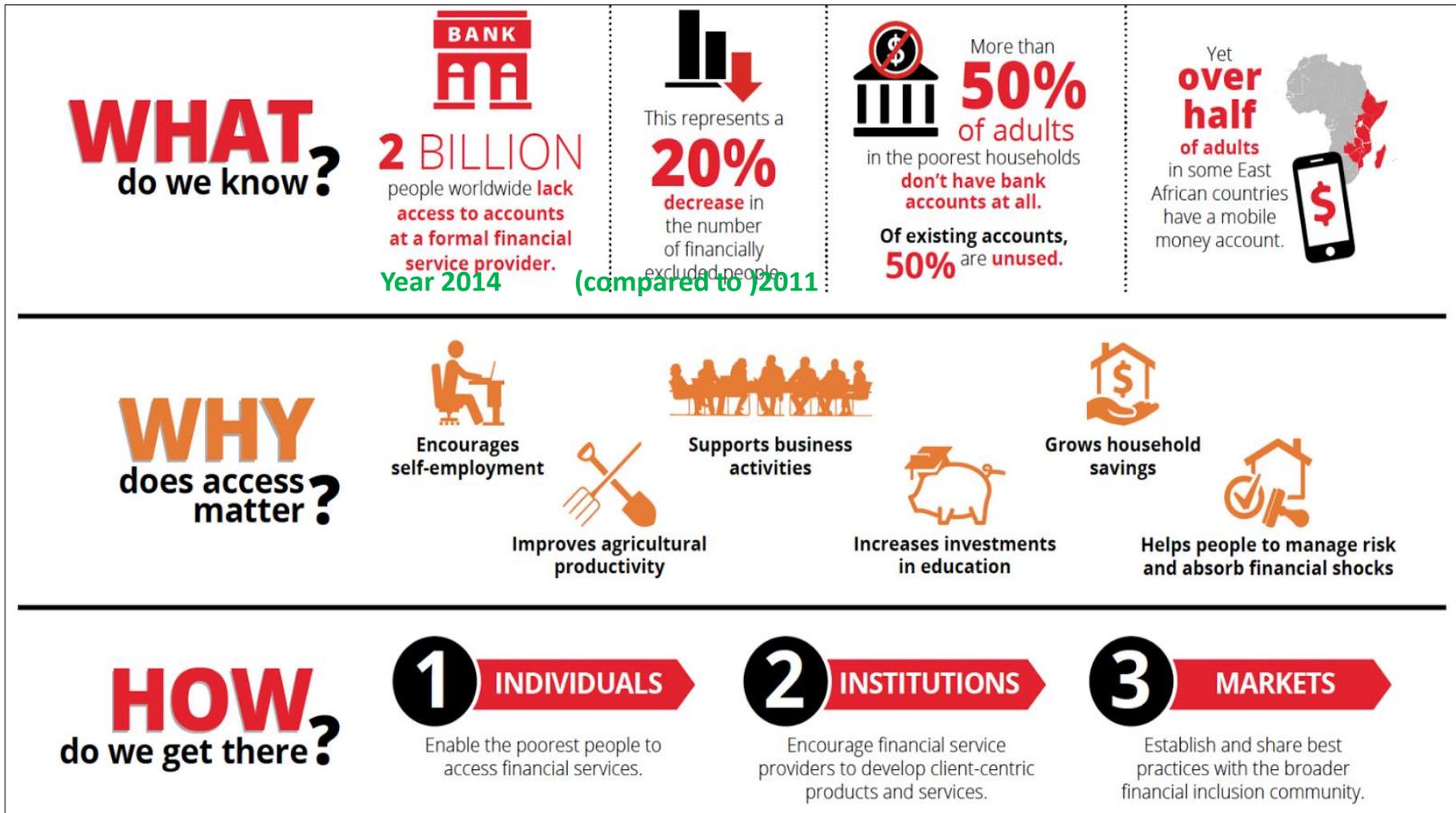
Financial inclusion and inclusive growth

Figure 1. Financial inclusion and inclusive growth process



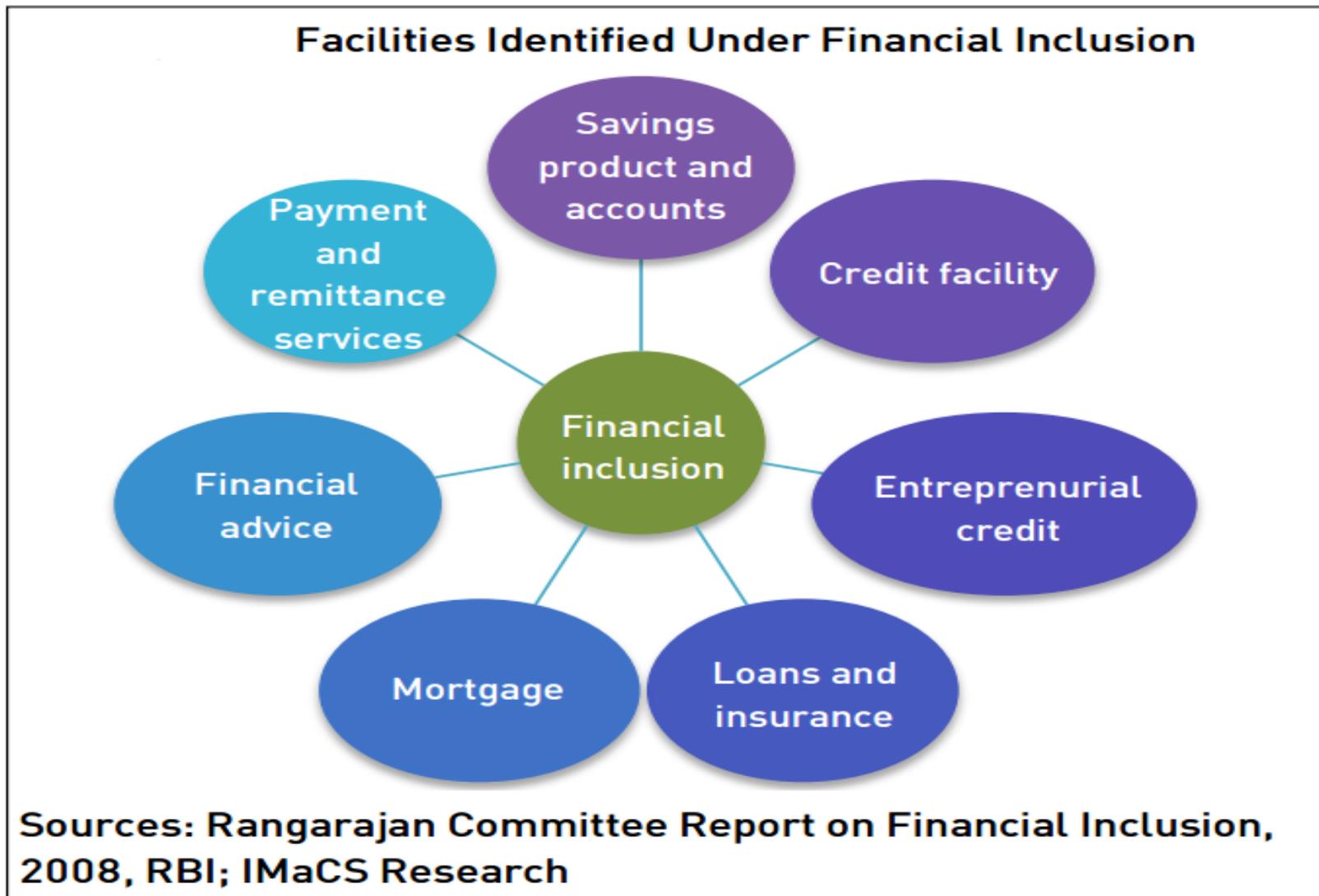
Source: Adopted from Ezazul Islam, Bangladesh Bank 2016.

So, why do we need to look at financial inclusion?



Source: MasterCard Foundation (2016)

Fig.2: Products and services under Financial inclusion



II. Financial inclusion in APEC

ACHIEVEMENTS

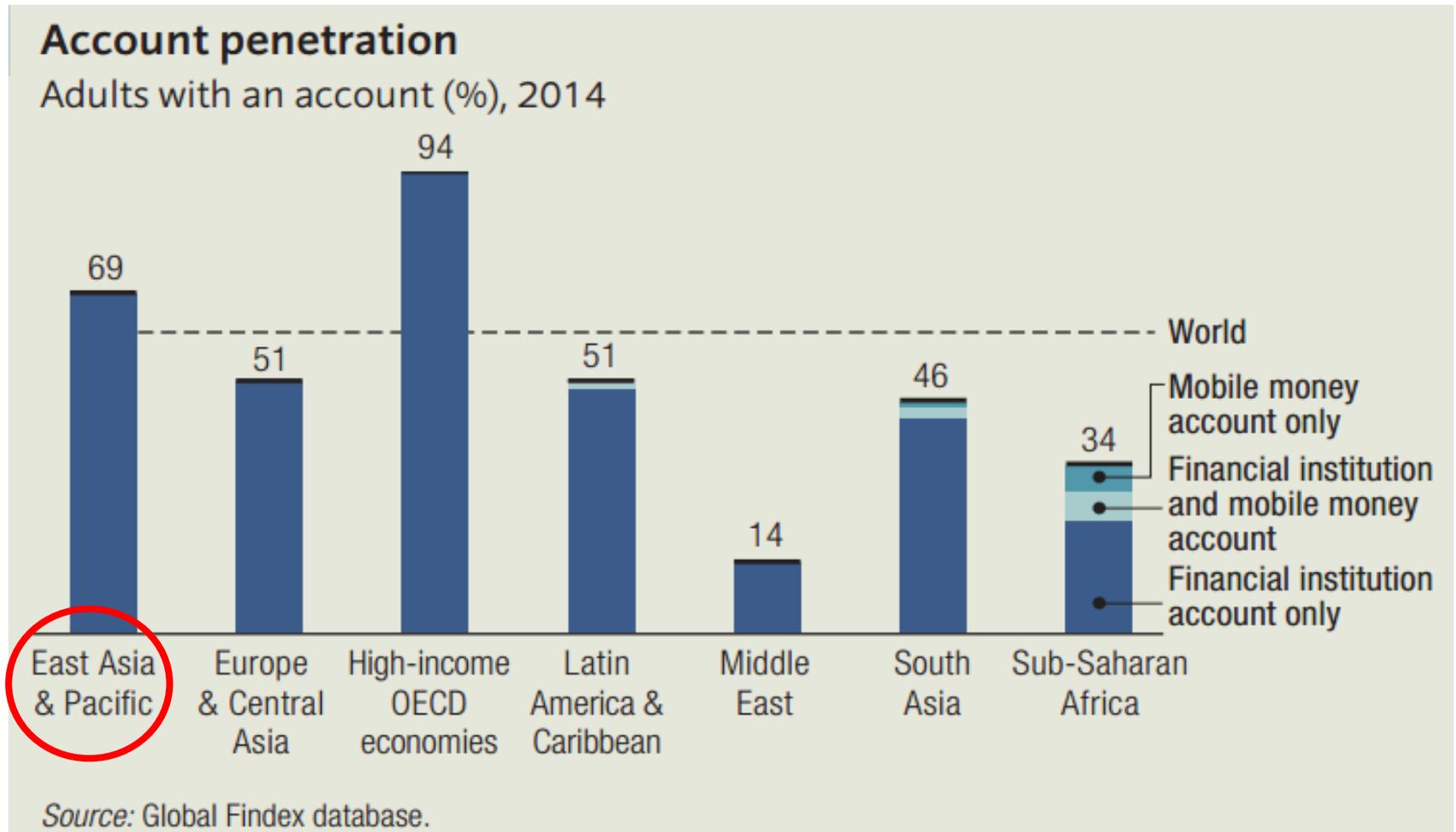
- **Many individual APEC economies have adopted strategies on financial inclusion** as an important part of their overall strategies to achieve **inclusive growth**.
- ADB approved 121 projects valued at US\$2.59 billion (as of 2012) to support **microfinance** in Asia and the Pacific (ADB 2013).
- Since 2010, **Asia-Pacific Forum on Financial Inclusion** (ABAC together with ADB Institute and other stakeholders).
- The **Financial Infrastructure Development Network (FIDN)** was launched in 2015 as part of the APEC Finance Ministers' financial development roadmap (Cebu Action Plan), specifically targeting MSMEs.

ACHIEVEMENTS (2)

- APEC has become '**mobile first**', thus contributing to economic and social development.
- Among all APEC economies, **15 of 21** APEC economies have mobile penetration rates over 100%, including 144% in Thailand, 147% in Vietnam, and 128% in Indonesia.
- **Innovative e-payment** in developing economies
- In APEC, ***between 2012-2013***, about ***66 million people were covered by micro-insurance products***; whereas in ***2016 this estimate has increased to about 85 million people***.

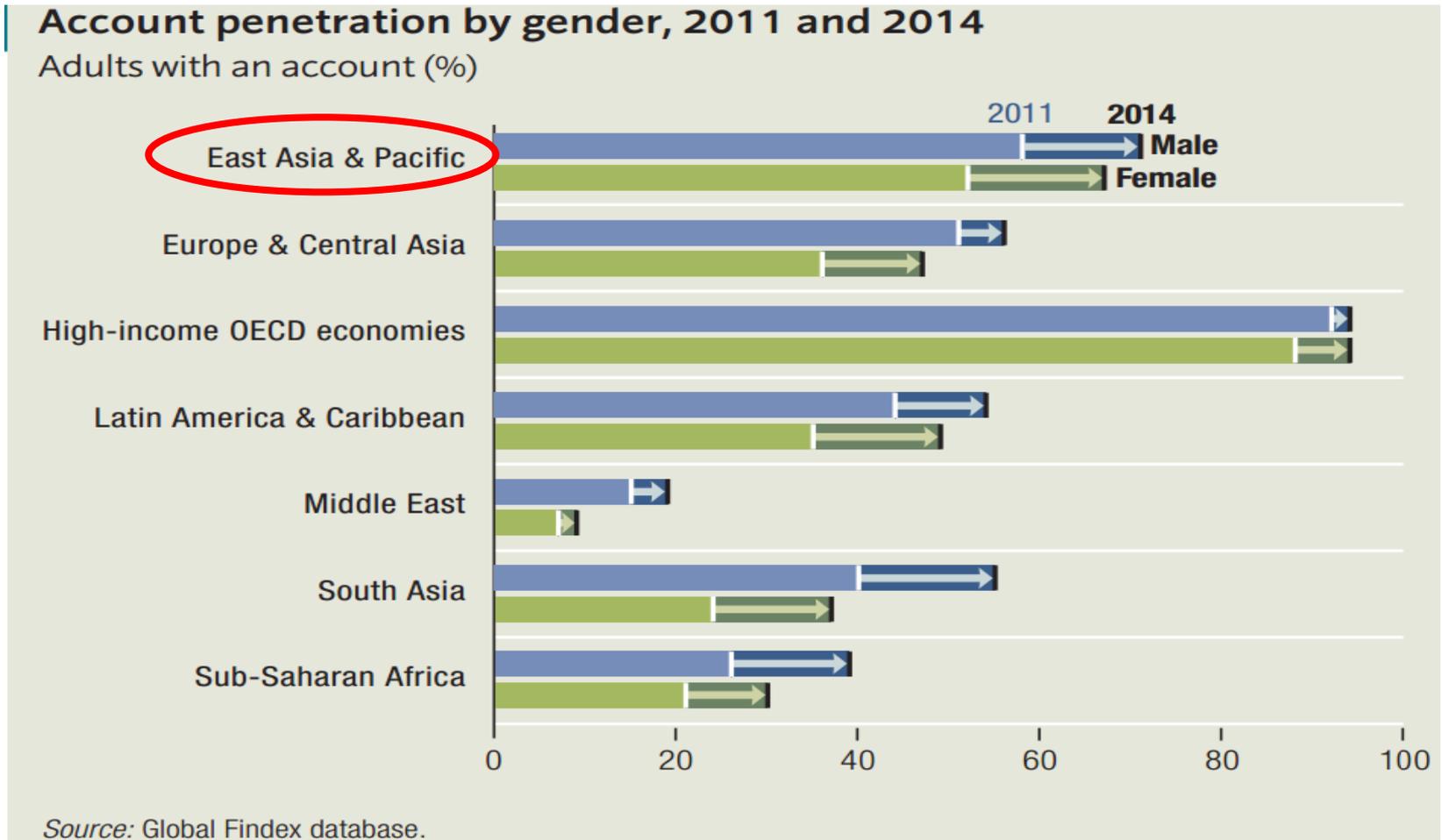
ACHIEVEMENTS (3)

Fig.3: Quite high account penetration in EA & Pacific



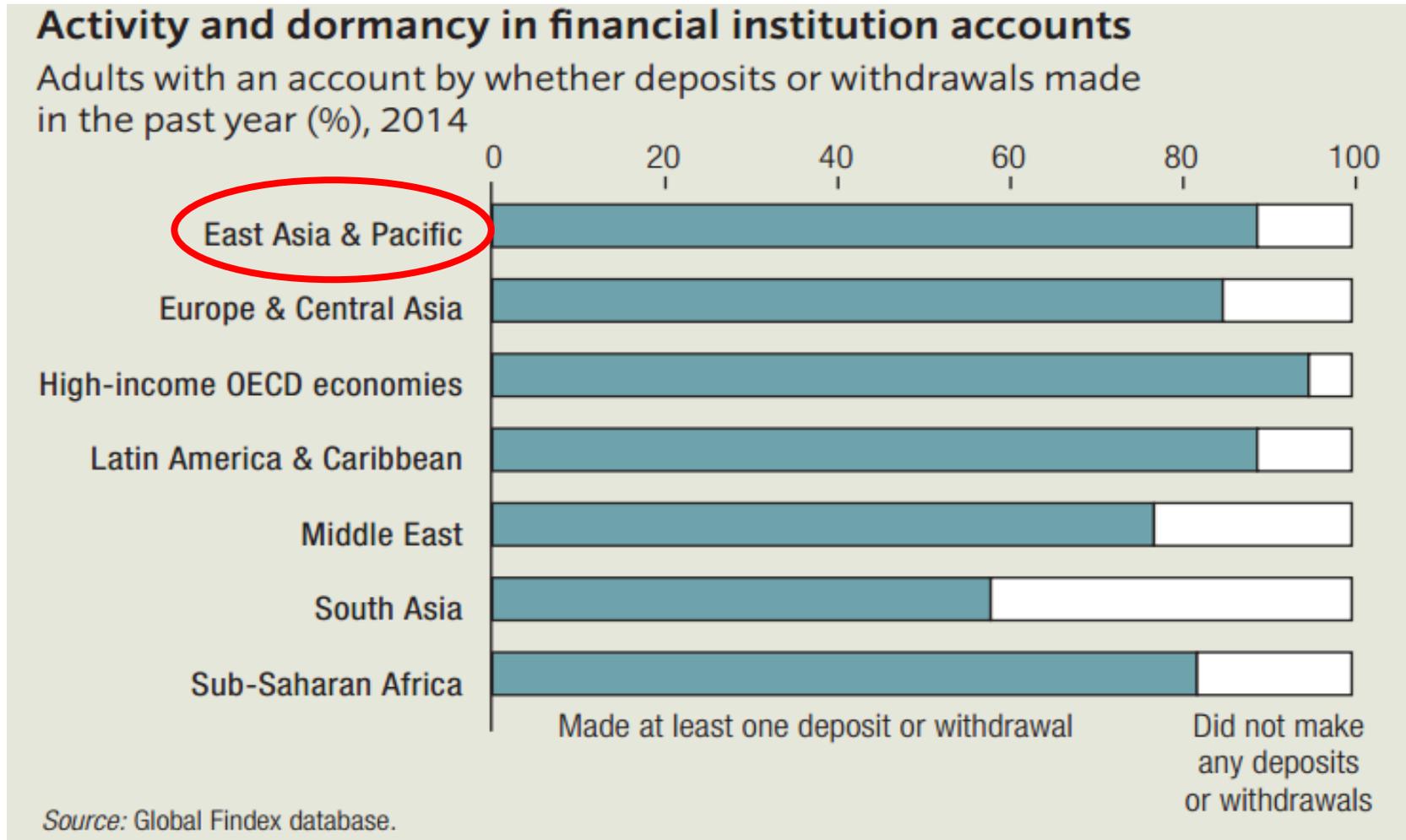
ACHIEVEMENTS (4)

Fig 4: Fairly high female account penetration in EA & Pacific



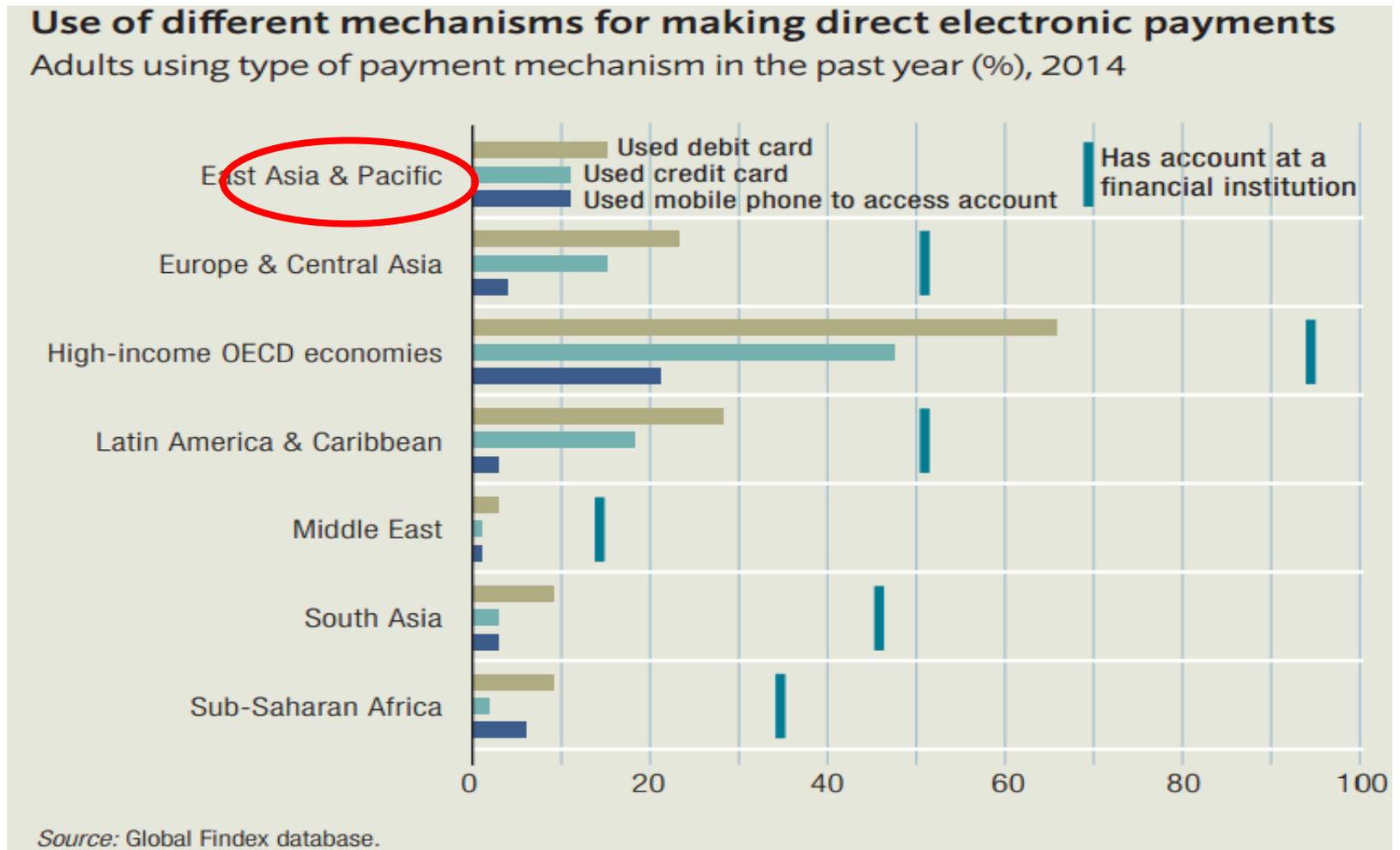
ACHIEVEMENTS (5)

Fig 5: 90% account holders in EA & P use their accounts at least once a year



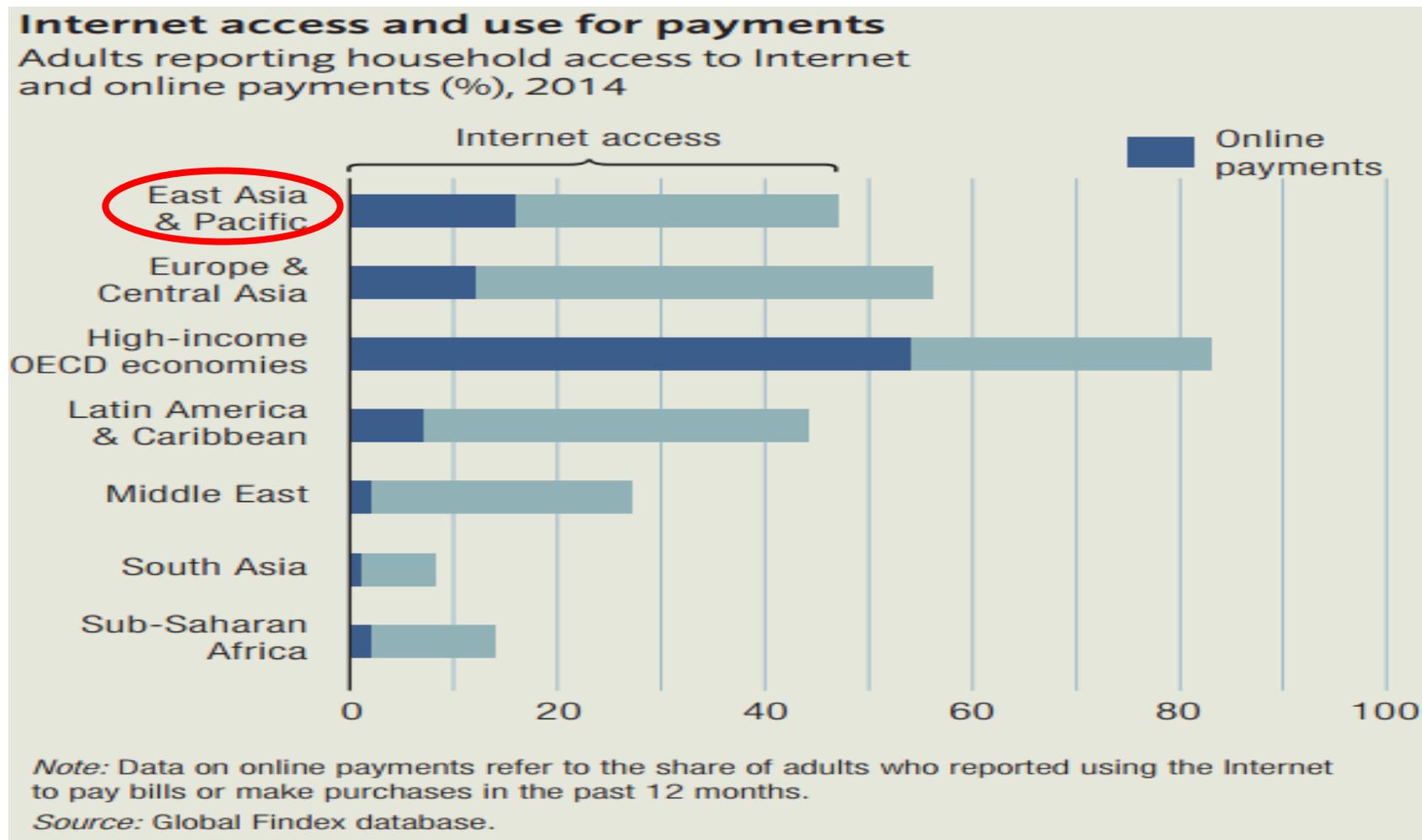
ACHIEVEMENTS (6)

Fig 6: Fairly high level of Mobile/E-payment in EA & Pacific



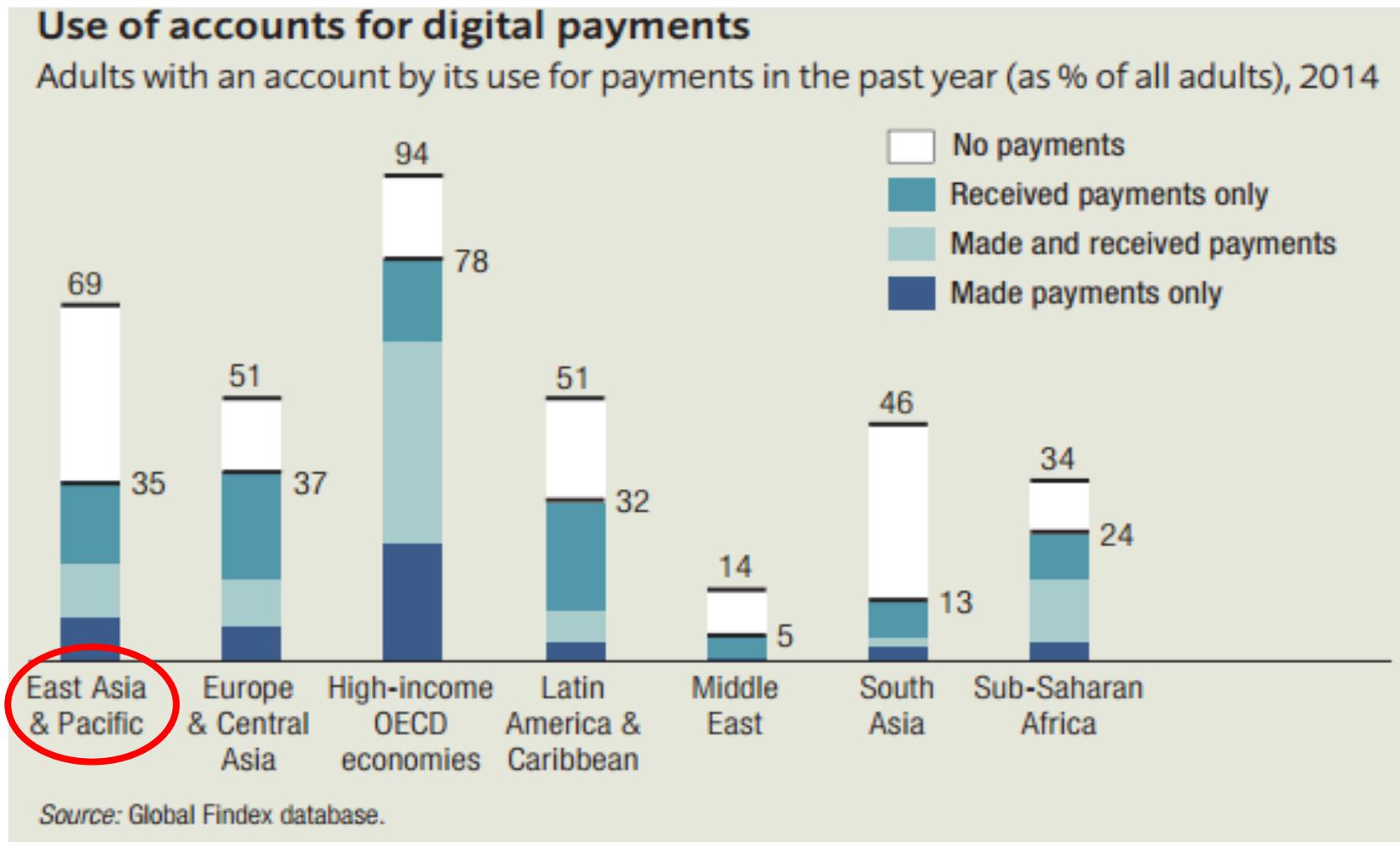
ACHIEVEMENTS (7)

Fig 7: Quite high level of Internet access and use for payments in EA & Pacific



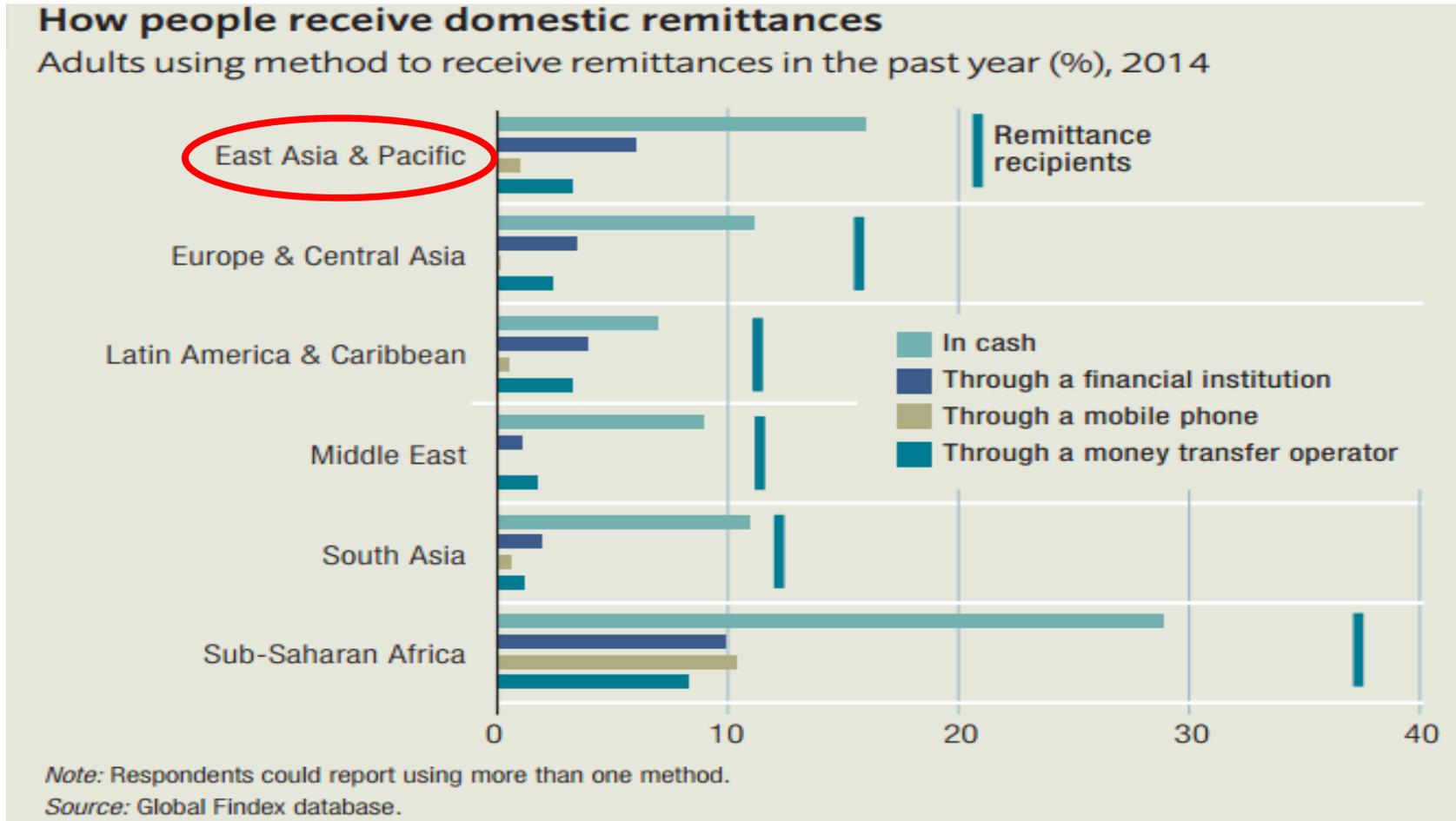
ACHIEVEMENTS (8)

Fig 8: Half of account owners have used them for digital payments in EA & P



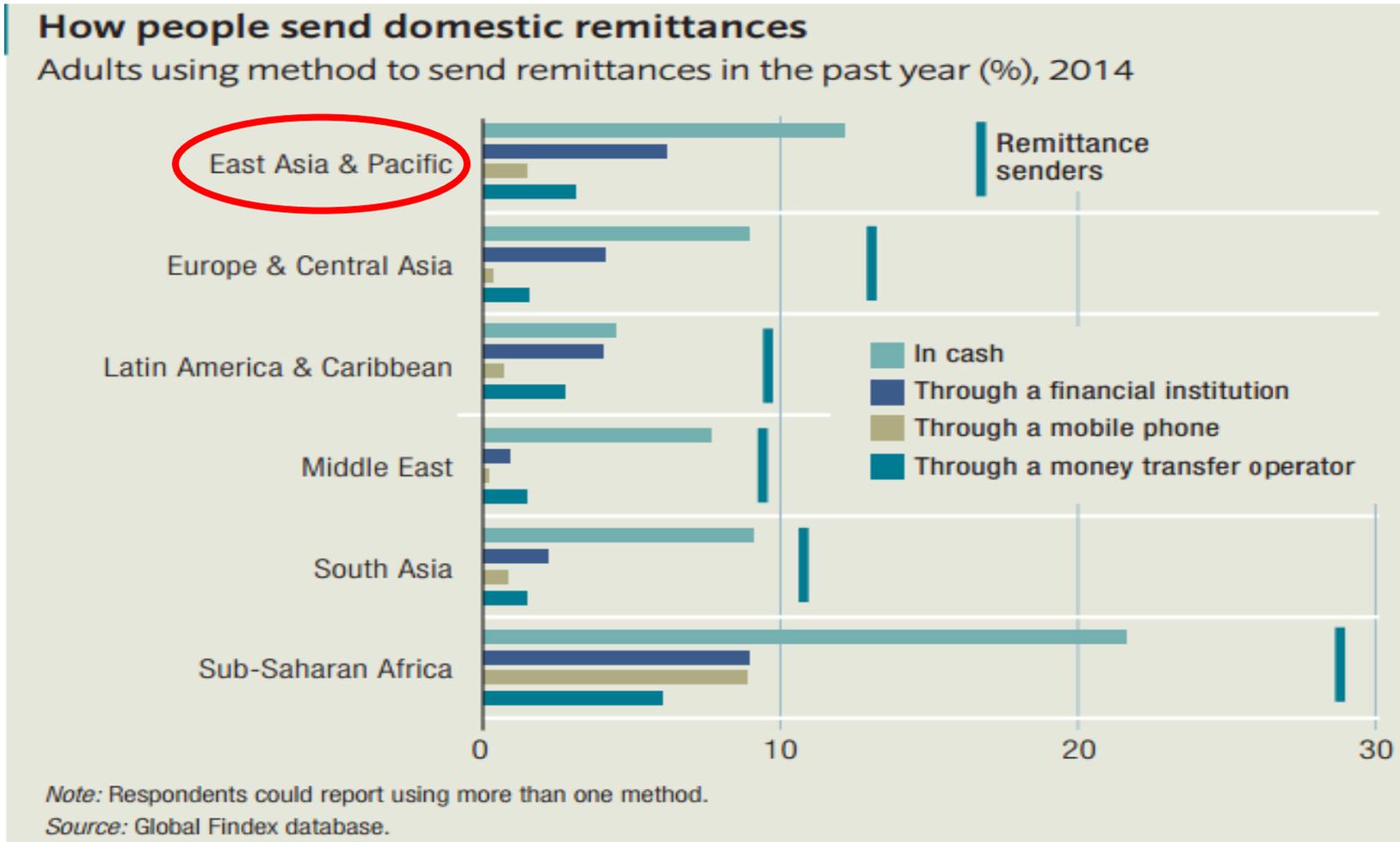
ACHIEVEMENTS (9)

Fig 9: More people use a FI to receive remittances in EA & P



ACHIEVEMENTS (10)

Fig 10: More people use a FI to send remittances in EA & P



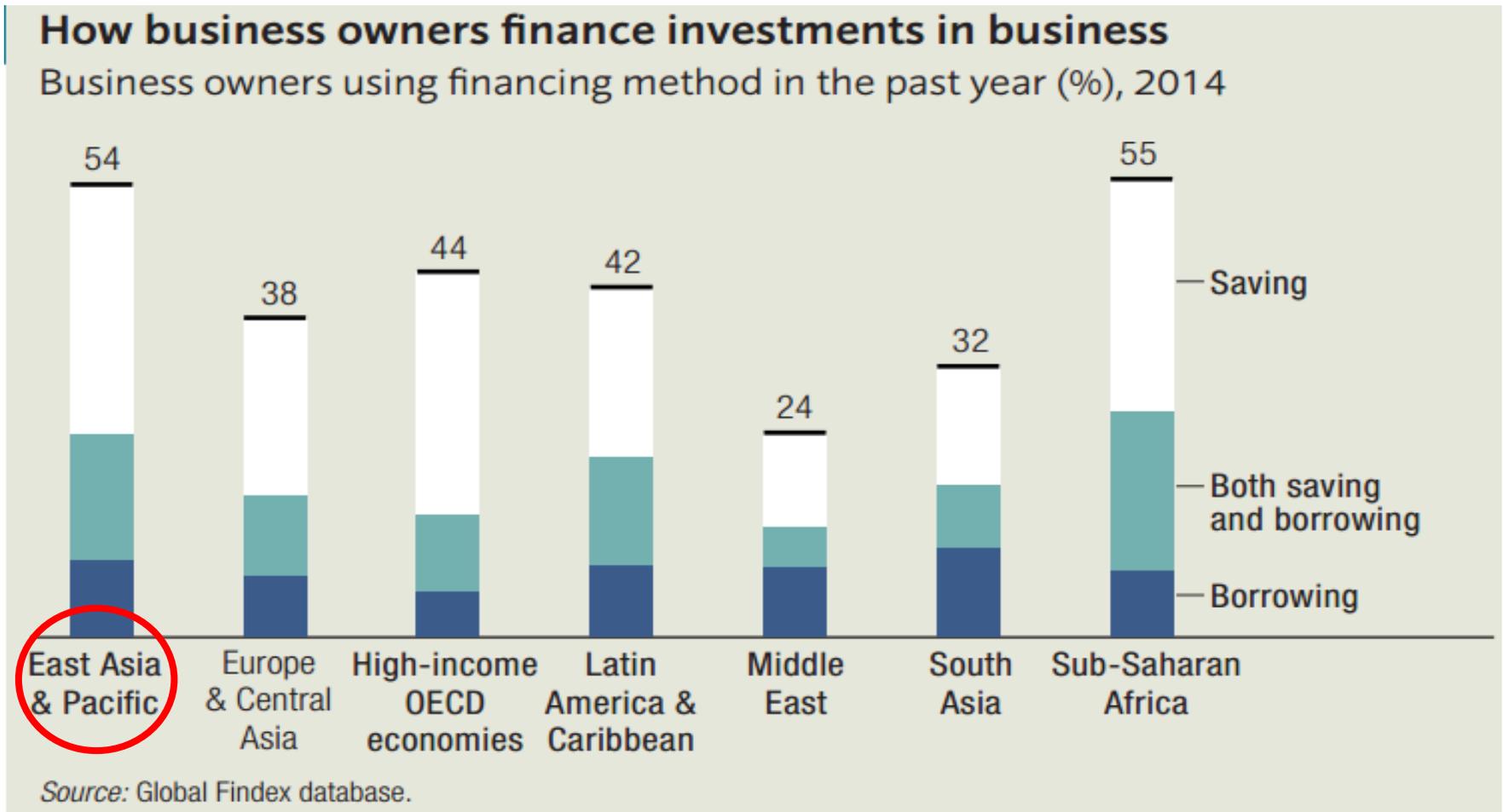
ACHIEVEMENTS (11)

Fig 11: More adults saving at a FI in EA & P



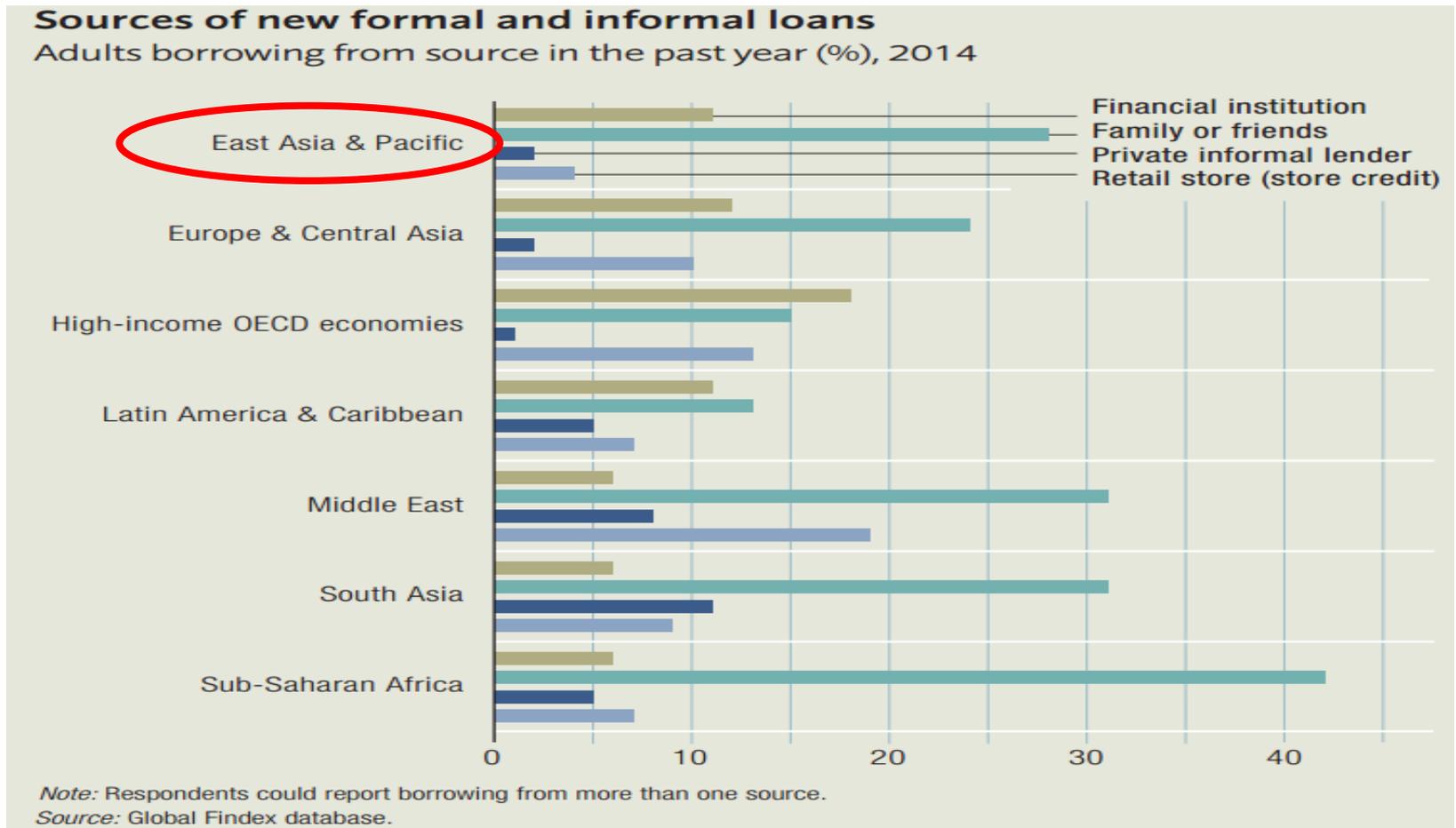
ACHIEVEMENTS (12)

Fig 12: Like other regions, business owners in EA & P use saving for financing investments in business



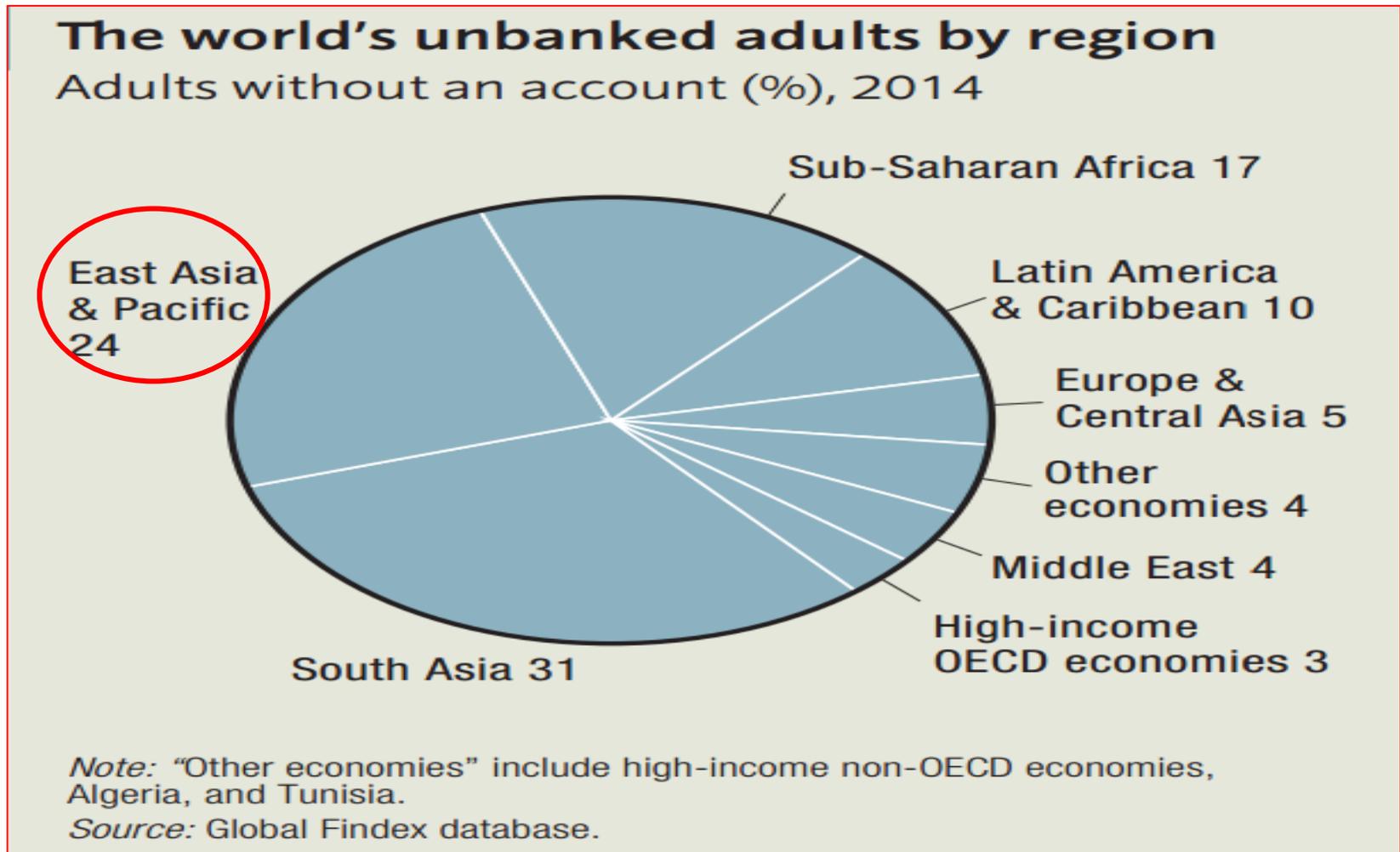
ACHIEVEMENTS (13)

Fig 13: Adults in EA & P use more loans from FIs or families/friends than from private/store lenders



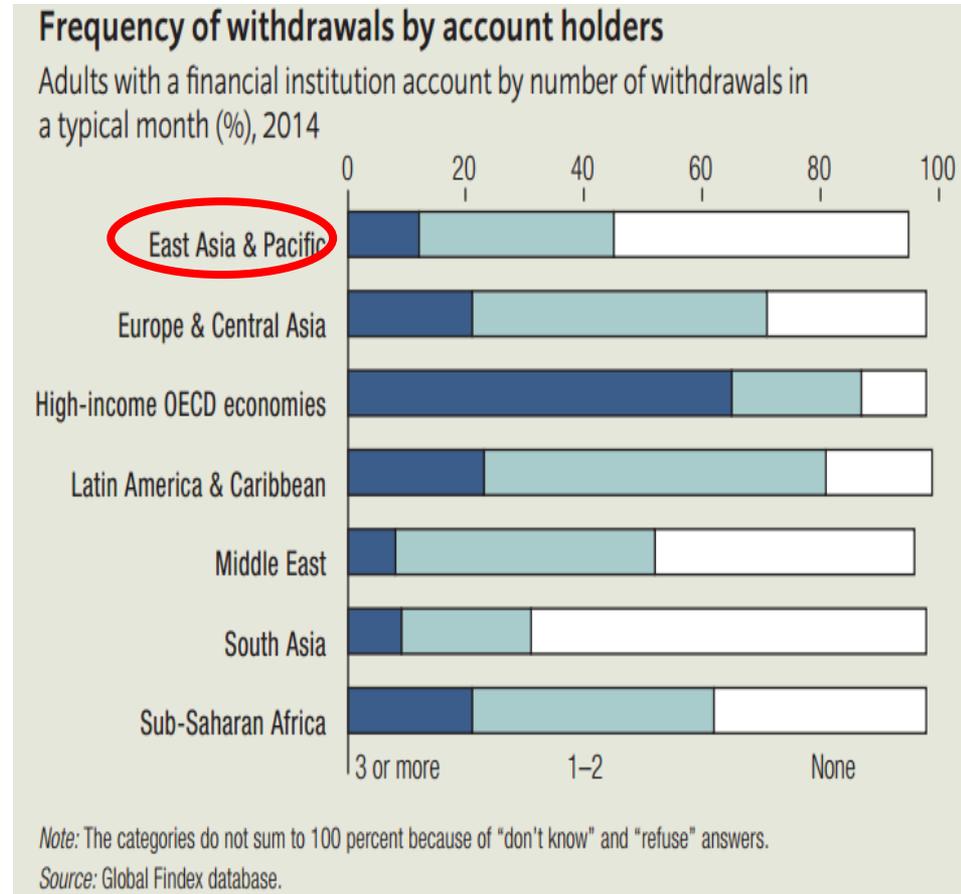
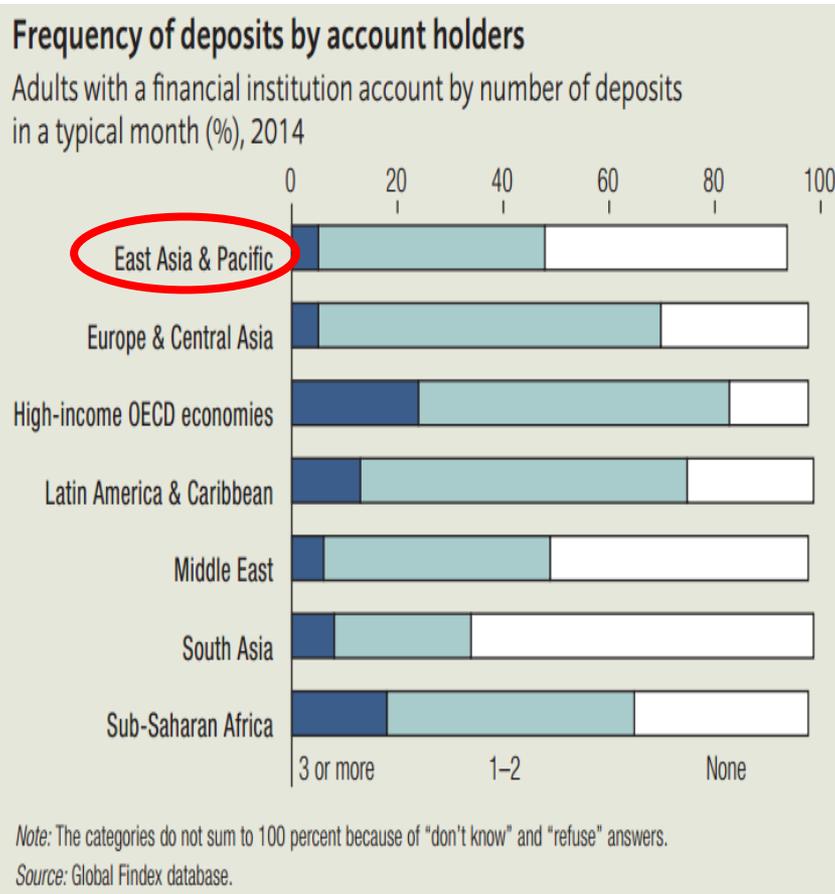
ISSUES (1)

Fig 14: Still quite high proportion of the unbanked in EA & P



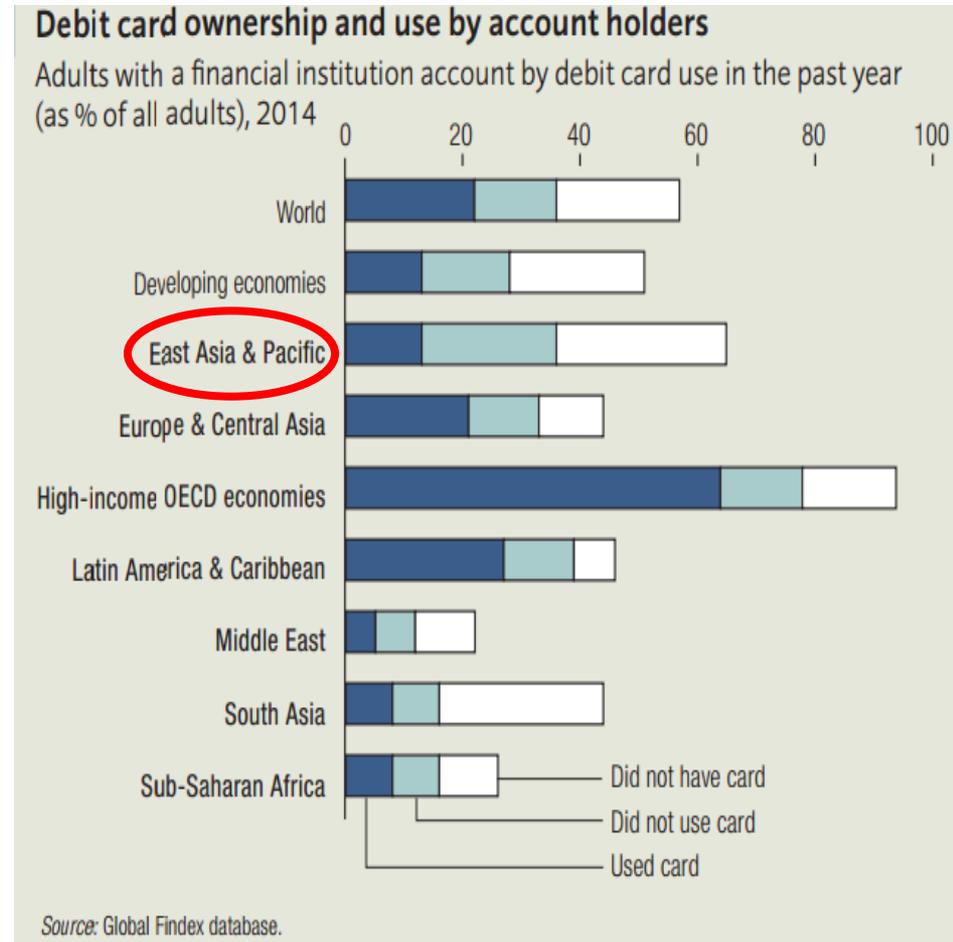
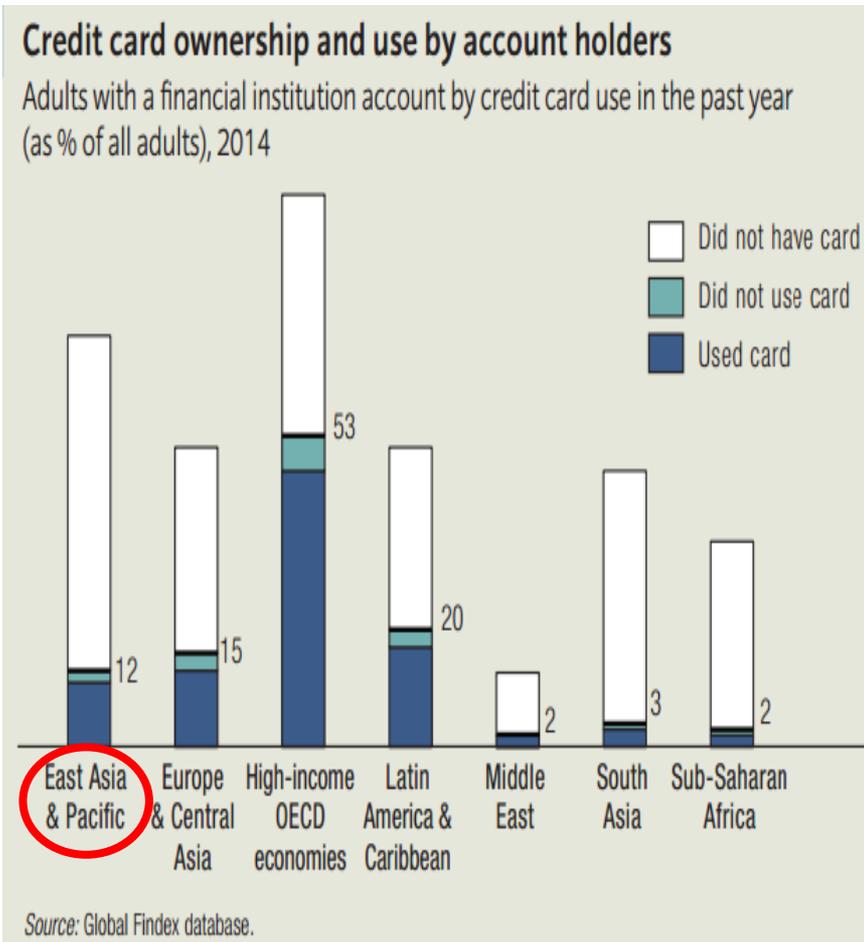
ISSUES (2)

Fig 15: Rather low frequency of deposits/withdrawals by account holders



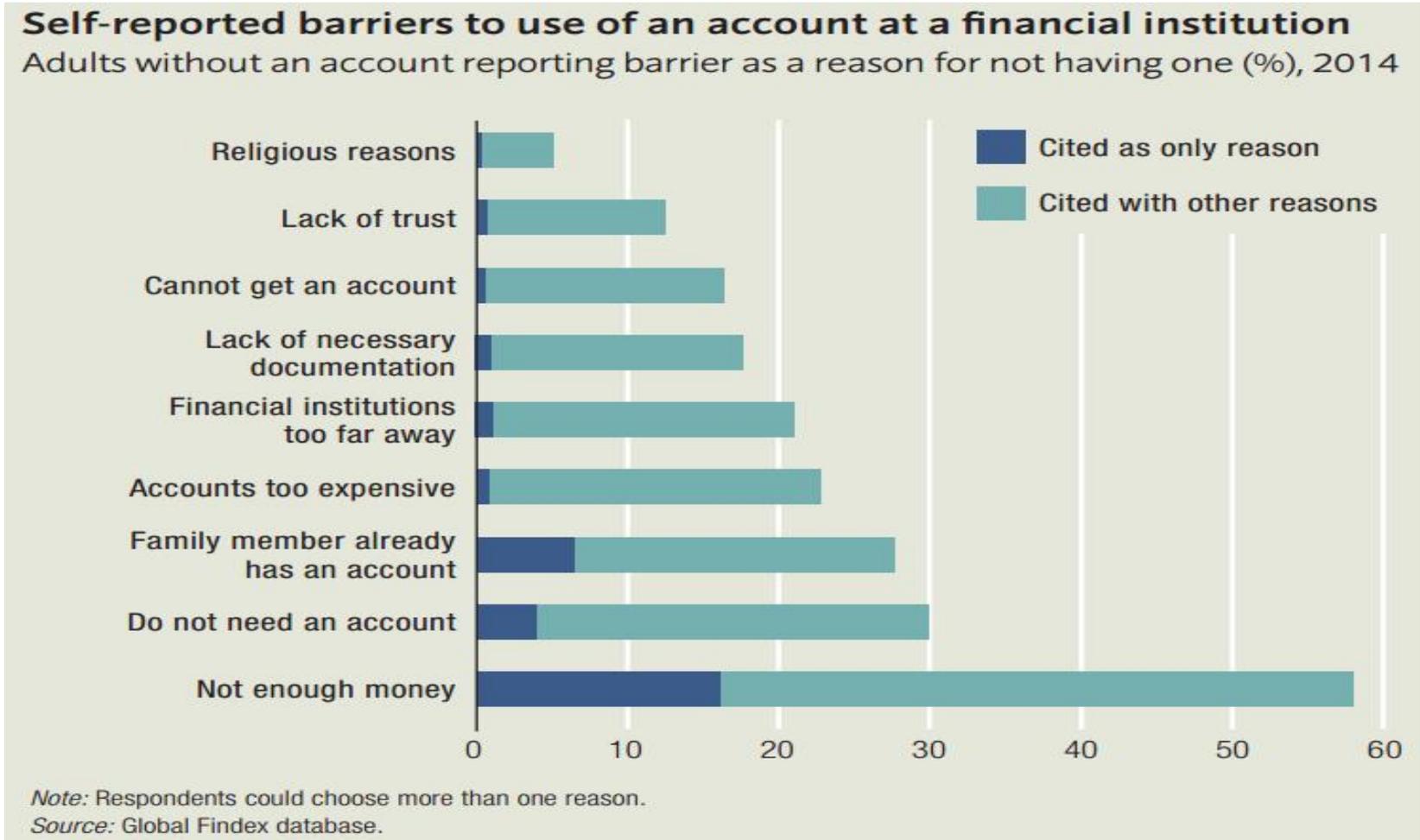
ISSUES (3)

Fig 16: Credit & credit card ownership and use by account holders in EA & P at an average level



ISSUES (4)

Fig 17: Self-reported barriers to use of an account at a FI



ISSUES (5)

Table 1: Gaps in the Apec E-Payment Indices

The APEC E-payment Index rankings and scores, by pillar

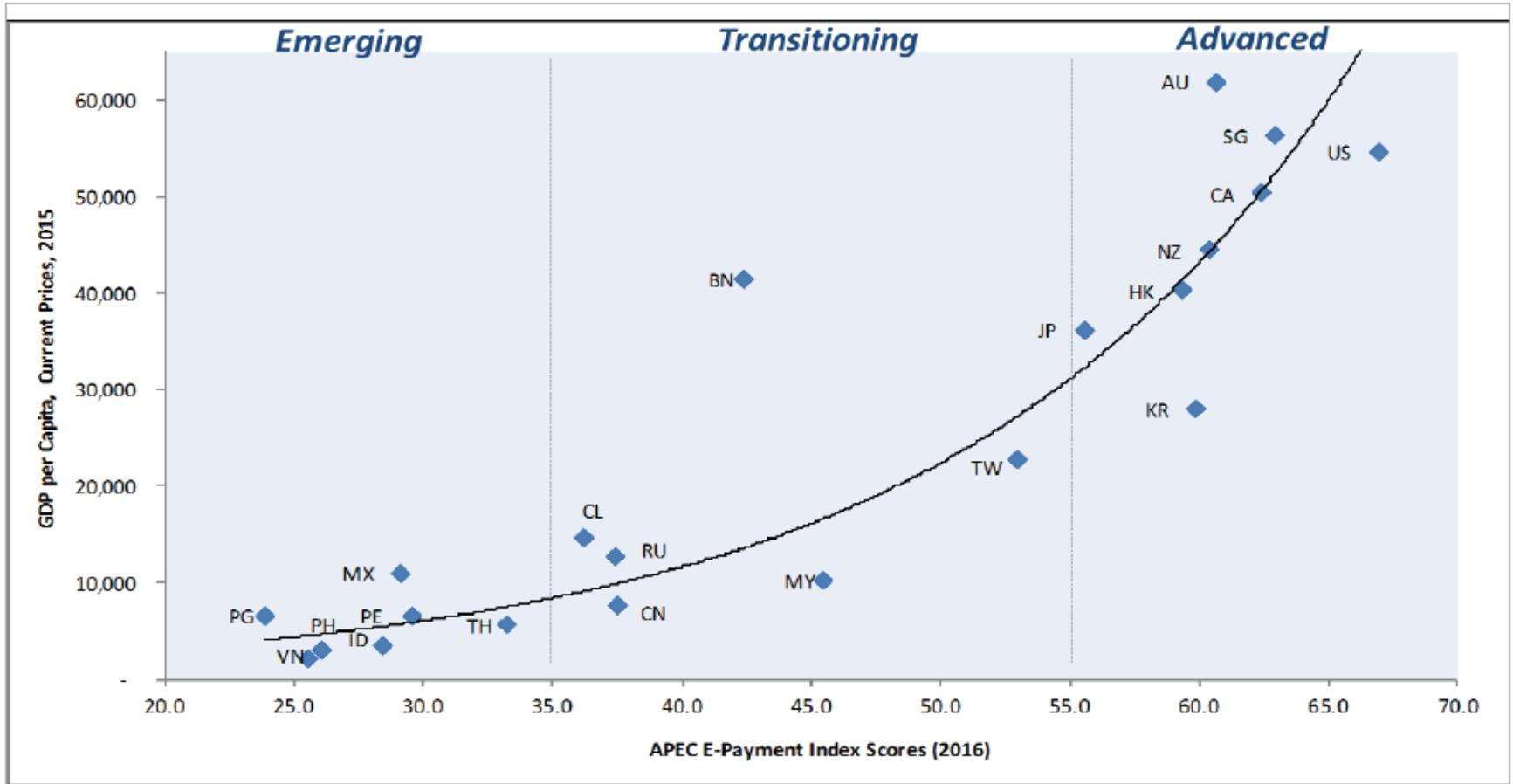
		P1. Regulatory & Policy Environment		P2. Infrastructure		P3. Demand		P4. Innovative Products & services	
		Rank	Score	Rank	Score	Rank	Score	Rank	Score
1	United States of America	6	67.0	2	72.5	4	54.1	1	77.5
2	Singapore	1	96.4	7	59.7	5	48.4	5	55.9
3	Canada	5	68.3	4	66.8	2	56.1	2	59.3
4	Australia	8	62.2	3	70.5	2	56.1	7	51.0
5	New Zealand	4	77.1	6	60.2	1	56.2	8	50.0
6	Korea, Rep.	11	48.8	1	78.9	5	49.3	3	58.3
7	Hong Kong, China	2	83.8	9	57.7	9	45.8	4	57.4
8	Japan	7	64.7	5	63.2	10	42.7	6	54.0
9	Chinese Taipei	9	58.4	8	58.6	8	46.6	9	48.3
10	Malaysia	3	80.6	11	40.8	11	34.2	13	34.4
11	Brunei Darussalam	12	47.4	12	39.0	7	46.6	12	36.3
12	China	15	42.7	16	37.7	13	28.6	10	45.4
13	Russian Federation	20	24.6	10	50.5	12	32.0	11	38.6
14	Chile	10	52.3	14	38.4	14	28.5	17	28.6
15	Thailand	16	35.6	15	37.9	15	28.2	15	31.2
16	Peru	21	24.1	13	39.3	17	23.1	16	29.8
17	Mexico	19	28.3	17	29.3	16	27.1	14	32.8
18	Indonesia	14	42.8	18	28.9	21	18.9	19	27.7
19	Philippines	17	32.0	19	28.7	18	21.1	20	23.4
20	Vietnam	18	31.1	20	25.4	19	20.4	18	28.0
21	Papua New Guinea	13	47.1	21	15.5	20	20.4	21	18.6

Source: RMIT (2016)

ISSUES (8)

Fig 18: Gaps in income explain somehow gaps in the E-Payment Indices

Relationship between APEC E-payment Index scores and Income level



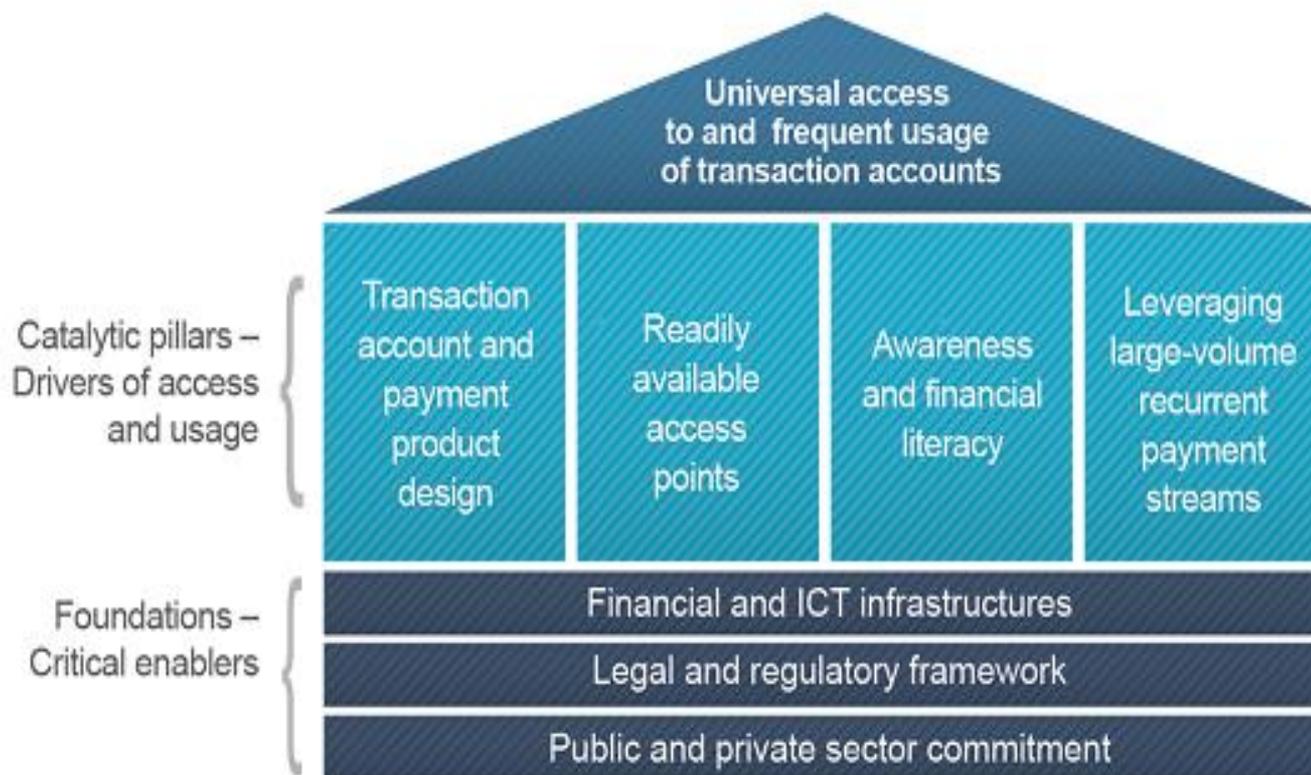
Source: World Development Indicators (2014); for Chinese Taipei, Nominal GDP per capita, 2014 obtained from National Statistics, Republic of China (Chinese Taipei)

III. Future Agenda

Fig.19: Framework for enhancing use of accounts

Interrelation of foundations, catalytic pillars and effective usage

Figure 1



Source: BIS 2016.

Fig.20: Public interventions to boost financial inclusion



Source: UNCDF 2014.

Future Agenda: Institutions

- Promoting **e-payments and E-finance**
- Providing supportive mechanisms for deployment of **financial services in remote areas;**
- Enhancing legal framework and develop appropriate management mechanism for **Fintech companies;**
- Developing **financial inclusion database** and undertake **data analytics;**
- **APEC economies need to create a consistent and coordinated approach to financial inclusion**, including harmonisation of procedures and financial inclusion policy alignment.

Future Agenda (cont'd)

- **Capacity building** for state-holders and **financial education** for consumers, households and MSMEs
- Financial institutions develop **suitable products and services** at a low cost and convenient distribution channels (ommi-channels)
- **International cooperation and connectivity** in financial inclusion
- Make full use of the 4th industrial revolution for financial inclusion and socio-economic development.
- **Other??**

Q & A
Thank you all!



Determinants of New Product Introduction Trials

Organizational Characteristics of Innovative Firms in Vietnam

Yasushi Ueki

Economic Research Institute for ASEAN and East Asia, Indonesia

Tomohiro Machikita

Institute of Developing Economies, Japan

APEC Study Center Consortium Conference

Hanoi, Vietnam
12-13 May 2017

Contents

- Research Interests
- Objectives
- Model
- Data
- Method
- Sufficient Conditions
- Variables
- Results

Research Interests

- Can firms achieve innovations without formal R&D organization?
 - What alternatives to R&D department do firms have?
 - What managerial practices enable firms to develop innovative capacities?
 - How firms can use internal resources (especially human resources) for embarking on innovative activities?
- Do governments have policy options to encourage firms to embark on innovative activities other than R&D promotion?

Objectives

- Identify organizational characteristics of firms trying new product introduction (NPI)
- Identify internal organizations and management practice to coordinate and effectively utilize internal resources for embarking on NPI trials.

Model

- $Y = f (X_1, X_2, X_3, X_4, X_5, X_6, X_7, \dots)$
- Binary dependent variable (outcome)
 - Firms' trials of new product introduction
- Binary independent variables (conditions)
 - R&D organization
 - Information access and sharing
 - Quality management
 - Top management's involvement
 - Cross departmental coordination

Data

- ERIA Survey FY2015: Vietnam
 - Conducted in the early 2016 by IPSI-MOIT
 - Hanoi and Ho Chi Minh City areas
 - Manufacturing firms
 - 127 valid responses (Response rate = 12.7%)

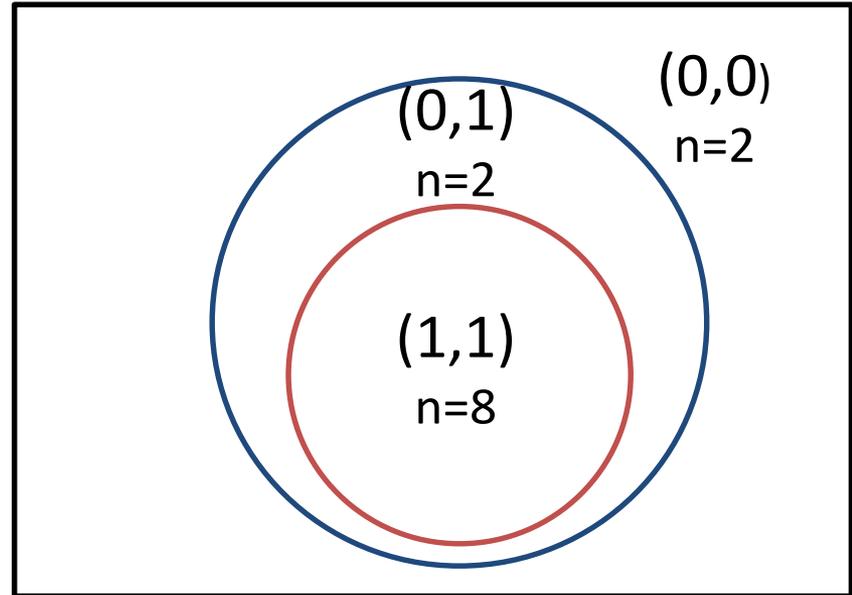
Method

- A set-theoretic approach
 - Explore combinations of the variables ($X_1, X_2, X_3, X_4, \dots$) that may be sufficient conditions X for the outcome.
- Combinatory conditions (causal recipe)
 - Variables ($X_1, X_2, X_3, X_4, \dots$) $\rightarrow Y$
 - Regression:
 - If a specific single variable X_1 changes ($0 \rightarrow 1$) then how much the probability of Y change ($0 \rightarrow 1$)?
 - Marginal effect of a specific single variable on the depending variable Y
 - Combinatory conditions:
 - E.g. $X_1=1$ AND $X_2=1$ AND $X_3=0$ AND $X_4=1 \dots \rightarrow Y$
 - If 3 binary variables then 8 logical combinations ($=2^3$)
 - Multiple combinations of conditions leading to the outcome

Sufficient Condition (X,Y)

		X	
		0	1
Y	0	2	0
	1	2	8

Pay attention to X=1



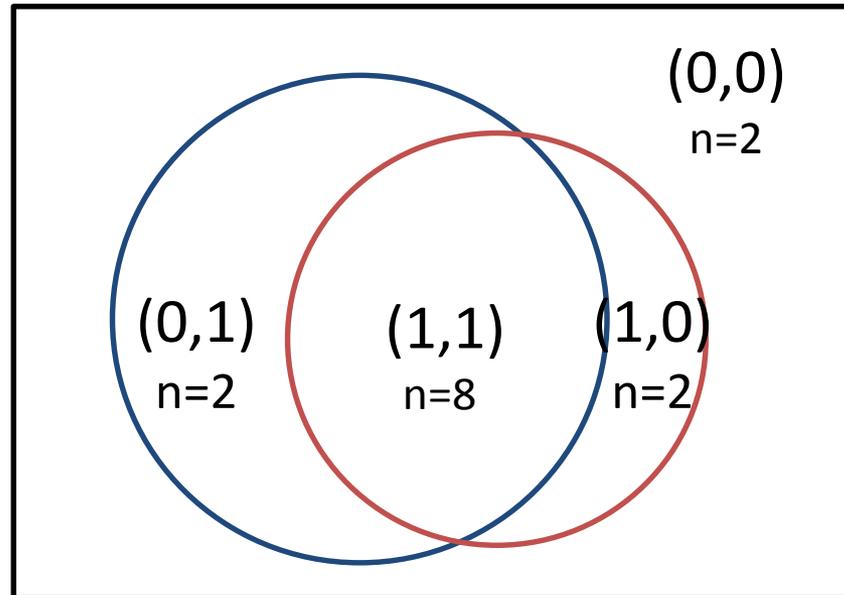
- Sufficient condition
 - A sufficient condition (X) is the condition that always leads to the outcome (Y)
 - Whenever a sufficient condition (X) is present, the outcome (Y) is present.
 - A sufficient condition (X) is a sub-set of the outcome (Y)

Quasi-Sufficient Condition (X,Y)

		X	
		0	1
Y	0	1	1
	1	2	8

Coverage = $8/(2+8) = 0.80$

Consistency = $8/(1+8) = 0.89$



Why Pay Attention to Sufficient Conditions?

- Correlation coefficient is not calculable
- Slope = 0 if perform OLS.
- Regression requires large size data with variance.
- The variable X may drop from probit estimation when variable X is perfectly consistent (i.e. when $X=1$ then $Y=1$).
- Regression focuses mainly on symmetric relationship and marginal effect of a specific single variable.
- Multicollinearity may makes interaction term insignificant ($x_1 * x_2$).

Variables of the Empirical Analysis

- Binary outcome: Trial of new product introduction (NPI) in 2014-2015
- Binary conditions
 - **R&D**: R&D department
 - **DOC**: Info. sharing through documents about proposals or claims from their customers or suppliers is very important
 - **ICT**: ICTs are very important as tools for obtaining info. on new customers
 - **ISO**: Respondents has adopted ISO 9000 series.
 - **SUG**: Respondents have an employee suggestion program
 - **TOP**: Top management proposed ideas about new businesses, products, services, processes, or managerial organization.
 - **CDM**: Respondents have regular cross-departmental meetings.
- Combinatory conditions: e.g. $R\&D=0$ AND $ICT=1$ AND $TOP=1$

Summary Statistics

Variable	Mean	Std. Dev.	NPI	R&D	DOC	ICT	ISO	SUG	CDM
NPI	0.77	0.42	1						
R&D	0.28	0.45	0.08	1					
DOC	0.18	0.39	-0.04	0.17	1				
ICT	0.22	0.42	-0.07	0.01	0.00	1			
ISO	0.70	0.46	-0.03	0.10	-0.01	-0.11	1		
SUG	0.39	0.49	0.05	0.16	0.01	0.05	-0.12	1	
CDM	0.85	0.36	0.25***	0.01	0.03	-0.15	-0.08	0.02	1
TOP	0.83	0.38	-0.05	-0.14	0.05	-0.06	0.11	-0.02	-0.13

The number of observations=127, Min=0, Max=1 for all variables. *** p<0.01.

Probit Estimation (Marginal Effect)

	Dependent variable: NPI			
	(1)	(2)	(3)	(4)
R&D	0.08	0.08	0.08	0.13
	(0.08)	(0.08)	(0.08)	(0.08)
DOC	-0.07	-0.06	-0.06	-0.11
	(0.10)	(0.10)	(0.10)	(0.13)
ICT	-0.04	-0.03	-0.03	-0.06
	(0.09)	(0.10)	(0.10)	(0.11)
ISO	-0.01	-0.01	-0.02	0.09
	(0.08)	(0.08)	(0.08)	(0.11)
SUG	0.03	0.03	0.03	0.09
	(0.07)	(0.07)	(0.07)	(0.09)
CDM	0.28**	0.28**	0.28**	0.32**
	(0.13)	(0.13)	(0.13)	(0.14)
TOP	-0.01	-0.01	-0.01	-0.05
	-0.1	(0.10)	(0.10)	(0.12)
Ho Chi Minh dummy		Yes	Yes	Yes
Local firm dummy			Yes	Yes
Industry dummy				Yes
Wald chi2	7.90	7.82	8.02	20.93
Pseudo R-squared	0.06	0.06	0.06	0.15
Observations	127	127	127	110

Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

Identified Conditions

ID	Conditions					CDM	TOP	raw coverage	(t)/(n)	(n)	(t)	(a)	(a)/(t)
	R&D	DOC	ICT	ISO	SUG				consistency	=0/1	=1	NPI achieved	Prob of success
v1	0			0		1	0	0.05	1	5	5	5	1
v2			1		0	0	1	0.03	1	3	3	3	1
v3	1			1		1	0	0.05	1	5	5	4	0.80
v4	1		1		1	1		0.05	1	5	5	4	0.80
v5	1	1	1			1		0.02	1	2	2	2	1
v6	0	0	0			1	1	0.40	0.85	46	39	30	0.77
v7	0	0	0		1	1		0.16	0.94	17	16	12	0.75
v8		1	1	0	0	1		0.02	1	2	2	2	1
v9	0			1	1	1	1	0.14	0.93	15	14	11	0.79
v10	1	1			1	1	1	0.03	1	3	3	1	0.33
v11	0	0	0	1	0		1	0.21	0.84	25	21	16	0.76
v12		0	0	1	0	1	1	0.23	0.82	28	23	17	0.74
v13	1	0	0	0	1		1	0.02	1	2	2	2	1
v14	1	1		1	0	0	1	0.01	1	1	1	1	1

The value 0/1 for a condition means presence/absence of the condition.

Solution coverage: 0.83

Solution consistency: 0.91

Result

- Heterogeneity of firms in Vietnam.
 - The solutions identified from csQCA covers 83% of the cases with the outcome of interest.
 - However, the coverages for each combinatorial condition contain low scores lower than 0.1.
- The presence of CDM is a quasi-necessary condition.
- A significant number of the firms try NPI without R&D department.
 - Combinatorial sufficient conditions that contain the absence of R&D department account for a significant portion of the cases with the presence of NPI trials.
- Importance of top management's role and leadership in firms in Vietnam.

Future Studies

- The model should be modified to include HRM- and HRD-related variables.
 - This study could not include Characteristics of Top Management, Job rotation, Training, Recruitment, etc.
- Analysis of firms “achieved” NPI is needed.
 - External resources (open innovation) may be taken into account
- Analysis of in-house product development is needed.

Thank you very much for your attention.

Thank you very much for your cooperation for ERIA's research activities

yasushi.ueki@eria.org



香港中文大學
The Chinese University of Hong Kong

Entrepreneurship in APEC and Hong Kong

Prepared for 2017 APEC ASCC Conference
Hanoi, Vietnam
May 2017

**Cheung-Kwok Law, Michael KY Fung,
Michael Leung, Ting-Hin Yan**
APEC Study Centre--CUHK
Hong Kong, China



APEC's Micro, Small and Medium Enterprises (MSMEs) initiatives

- Small and medium enterprises (SMEs) have long been recognised by APEC as a key contributing source of economic prosperity and employment, innovation and a growth engine within the Asian Pacific region.
- In 2016, modernizing Micro, Small and Medium Enterprises (MSMEs) was one of APEC's main focus.



APEC's Micro, Small and Medium Enterprises (MSMEs) initiatives

- Indeed, the *2016 SME Ministerial Statement* advocates concrete actions in the following areas:
 - Increasing the innovation capacities of SMEs
 - Fostering enabling environment and policies
 - Guaranteeing access to financial means and capacity building
 - Enhancing the participation of SMEs in e-commerce
 - Reducing technological gaps facing by SMEs
 - Integrating SMEs into GVCs
 - Shifting to a more sustainable, eco-friendly and green production.



Objectives of this Pilot Study

- The objective of this pilot study is to review the performance of MSMEs in selected APEC economies and Hong Kong, in terms of 5 areas closely related to APEC MSME initiatives in the recent few years, namely:
 - New business creation
 - Technological innovation
 - Export orientation
 - Female participation
 - Entrepreneurial activity by household income

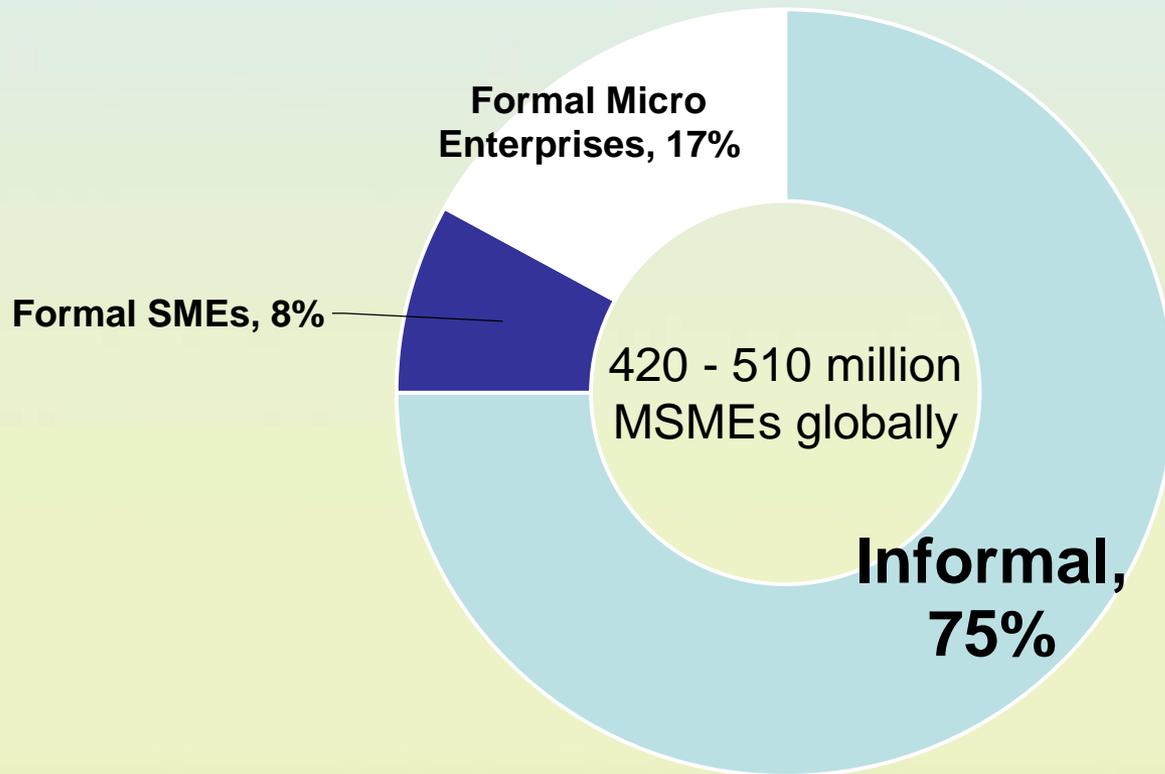


Official Micro, Small and Medium Enterprises (MSMEs) Statistics

- Official statistics for MSMEs are predominantly *firm-level* data, based on official definition.
- So informal MSMEs (e.g. unregistered self-employment, start-ups) are excluded.
- But informal enterprises are a key part of the MSMEs.
- According to the World Bank, around 420-510 million MSMEs globally and around 75% of them are informal enterprises not recorded in official statistics.



Official Micro, Small and Medium Enterprises (MSMEs) Statistics



6 Source: World Bank's IFC Enterprise Finance Gap Database (2011)



Official Micro, Small and Medium Enterprises (MSMEs) Statistics

- In addition, there exists significant heterogeneity in MSMEs' definitions across economies, for example:

	Hong Kong, China	Singapore
SME Definition	Non-manufacturing: Employees < 50 Manufacturing: Employees < 100	Regardless of manufacturing or non-manufacturing sector: Annual Sales ≤ S\$100 million or Employees ≤ 200

Source: Hong Kong Census and Statistics Department,
Singapore, Ministry of Trade and Industry



Entrepreneurial Statistics from Global Economic Monitor (GEM)

- To make valid cross-country comparison, we used harmonised entrepreneurship data from the *Adult Population Survey (APS)* conducted by the GEM.
- GEM began in 1999 as a joint research project between Babson College (USA) and London Business School (UK). The aim was to consider why some countries were more entrepreneurial than others. (<http://www.gemconsortium.org>)



Entrepreneurial Statistics from Global Economic Monitor (GEM)

- GEM now has: 18 years of data; 200,000+ interviews annually; 100+ countries; 300+ academic and research institutions, etc.
- APS is a world-wide, standardised telephone survey where each national sample consists of a minimum of 2000 adult respondents.
- In 2016, the APS covered a total of 65 economies, of which 14 of them were APEC members.



Entrepreneurial Statistics from Global Economic Monitor (GEM)

- APS adopts a broad definition of “entrepreneurship”:
 - *"Any attempt at new business or new venture creation, such as self-employment, a new business organisation, or the expansion of an existing business, by an individual, a team of individuals, or an established business".*
- And as such, the APS does not exclude informal MSMEs from the outset.



Entrepreneurial Statistics from Global Economic Monitor (GEM)

APS classifies entrepreneurial activities into 2 types:

- Early Ventures (approximately micro enterprises)
- Established Businesses (approximately SMEs)



Entrepreneurial Statistics from Global Economic Monitor (GEM)

- Using data from the APS, our study covers the following five areas which are closely related to APEC's MSME initiatives:
 - New business creation
 - Adoption of innovative technology
 - Export orientation
 - Female entrepreneurship
 - Relationship between entrepreneurship and income levels
- We study the features of the MSME sector in the APEC region, and Hong Kong in particular.



(a) New Business Creation

Table 1: Ratio of Early Ventures in 18-64 Adult Population (2016, %)

City/Region	% 18-64 Working Population
Hong Kong	9.4
APEC(14)	12.8
APEC excluding Hong Kong	13.1
Non-APEC	12.1

- In 2016, approximately 9.4% of the Hong Kong working population engaged in early venture activities.
- Ranking it 10th out of 14 APEC members.
- Or 39th out of all 65 economies in terms of prevalence of early venture activities.

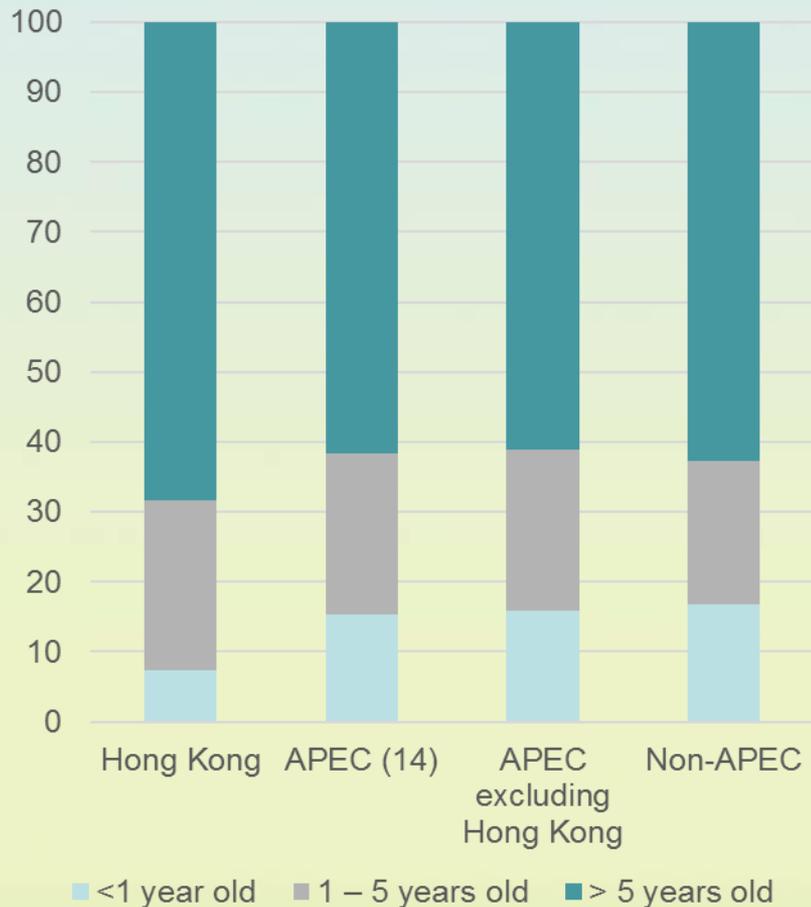


(b) Production Technology Adopted

- In 2016, around one-third (31.6%) of early-stage entrepreneurs in Hong Kong reported the use of production technology developed within the past 5 years.
- The equivalent figure for established business is around one-tenths (9.4%).
- New technology was particularly prevalent new businesses from China and Southeast Asian economies.



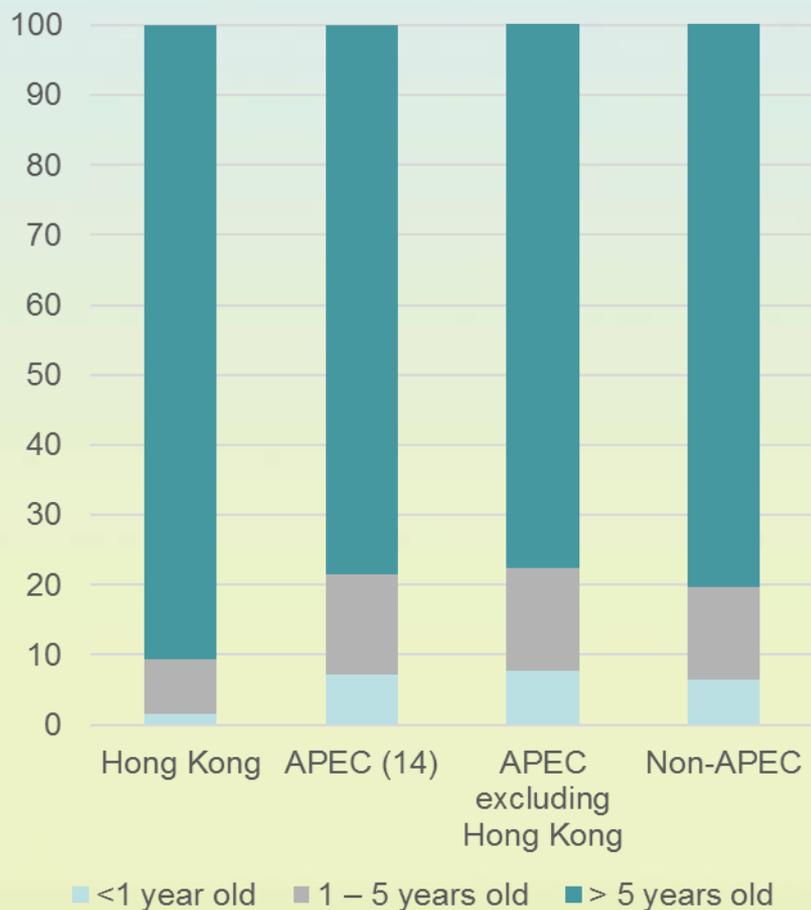
Early Ventures: Production Technology Adopted



Early Ventures: Utilisation of Innovative Technology (2016, %)			
City/Region	<1 year	1 – 5 years	> 5 years
Hong Kong	7.3	24.3	68.4
APEC (14)	15.3	23.0	61.7
APEC excluding Hong Kong	15.9	22.9	61.2
Non-APEC	16.8	20.4	62.8



Established Business: Production Technology Adopted



Established Business: Utilisation Rate of Innovative Technology (2016, %)			
City/Region	< 1 year	1 – 5 years	> 5 years
Hong Kong	1.5	7.9	90.6
APEC (14)	7.2	14.2	78.6
APEC excluding Hong Kong	7.7	14.7	77.7
Non-APEC	6.4	13.2	80.5



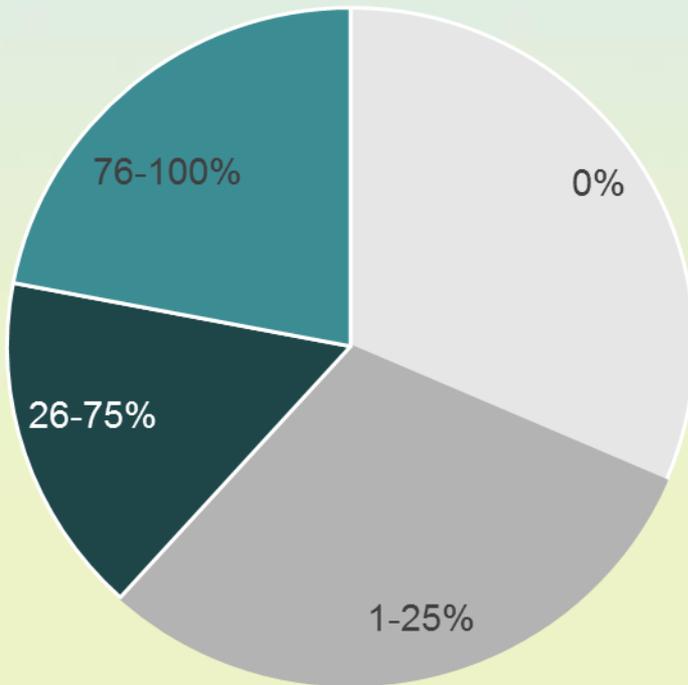
(c) Export Orientation

- In 2016, 38.3% of early ventures and 34.1% of established businesses in Hong Kong indicated that more than 25% of revenue from abroad.
- Averaging all 14 APEC members, only 12.4% of new ventures report exports more than 25%, and 9.5% for established businesses.
- This placed Hong Kong as the most outward-looking economy among the 14 APEC economies included in the 2016 GEM Study.

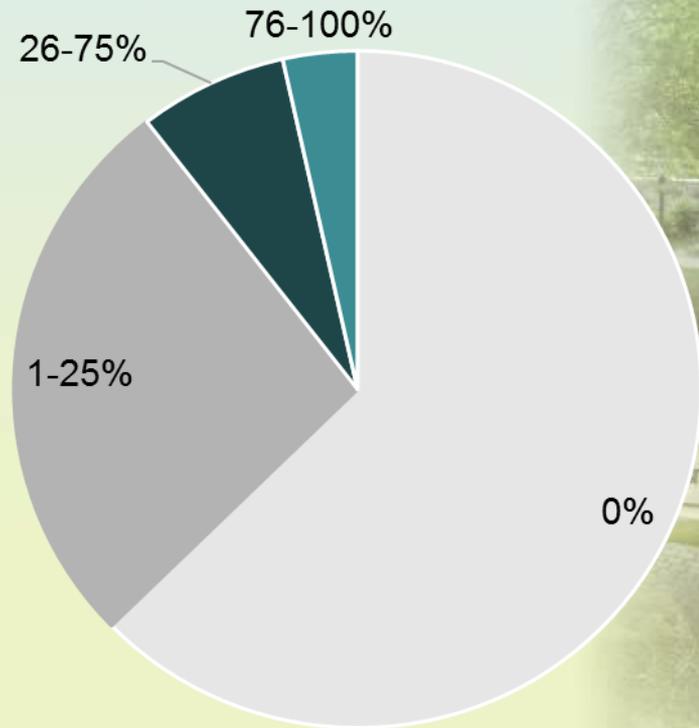


Early Ventures: Ratio of Export to Revenue

Hong Kong

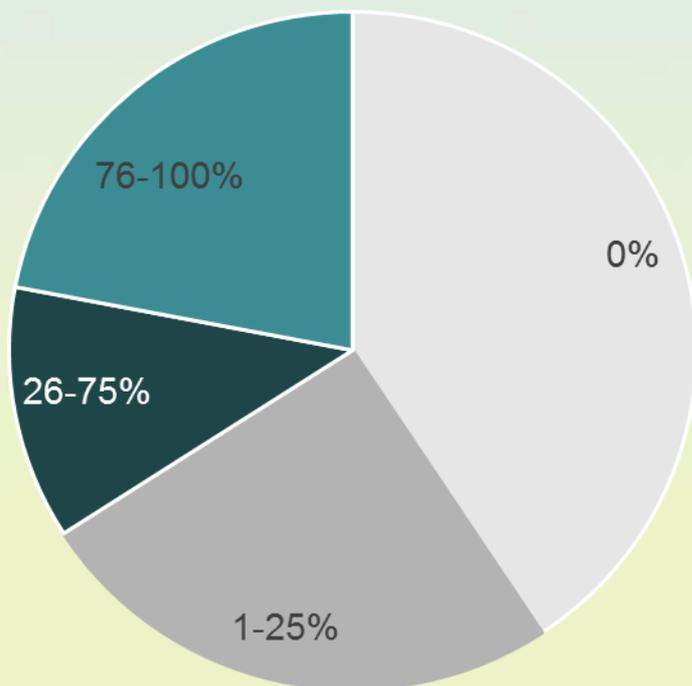


APEC excluding Hong Kong

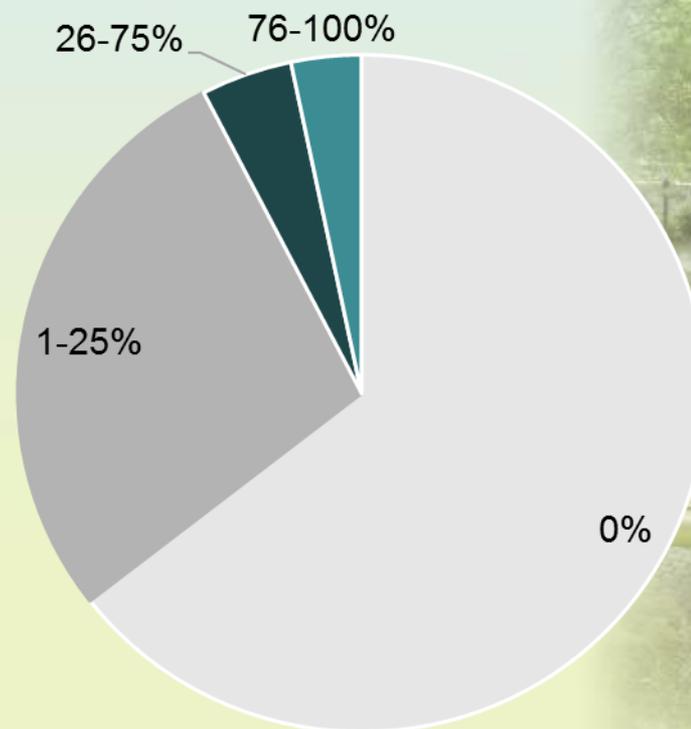


Established Business: Ratio of Export to Revenue

Hong Kong



APEC excluding Hong Kong



(d) Female Participation in Entrepreneurship

- In Hong Kong, approximately 13% of male respondents aged 18-64 reported engaging in early ventures whereas that among female respondents aged 18-64 was 6.5%.
- It should be pointed out that relatively more males than females in early ventures was a phenomenon observed in all 65 economies included in the GEM study with 3 exceptions, namely Mexico and Indonesia from the APEC region, and Brazil from the non-APEC region.



Female Participation in Entrepreneurship

Participation in Early Ventures by Sex (2016, %)

City/Region	% of 18-64 Male	% of 18-64 Female	Ratio of Male to Female
Hong Kong	13.1	6.5	2.0
APEC (14)	14.6	11.1	1.3
APEC excluding Hong Kong	14.7	11.5	1.3
Non-APEC	14.6	9.7	1.5



(e) Entrepreneurial Activity by Household Income

- In general, the high-income group has relatively more early ventures owners than the low-income group.
- In the 2016 GEM study, the ratio of the proportion of early venture owners in the high-income group to the low-income group's was about 1.7 for the APEC region and 1.4 for the Non-APEC region.
- As for Hong Kong, the gap was around 4 times.



Entrepreneurial Activity by Household Income

New Business Creation by Household Income Levels (2016, %)

City/Region	Low	Middle	High
Hong Kong	4.5	8.0	17.7
APEC (14)	10.0	12.2	16.5
APEC excluding Hong Kong	10.4	12.6	16.5
Non-APEC	10.2	12.1	14.7

Household income levels were grouped into *Low* (bottom 33th percentile), *Middle* (middle 33th percentile), and *High* (top 33th percentile).



(f) Entrepreneurial Ecosystem

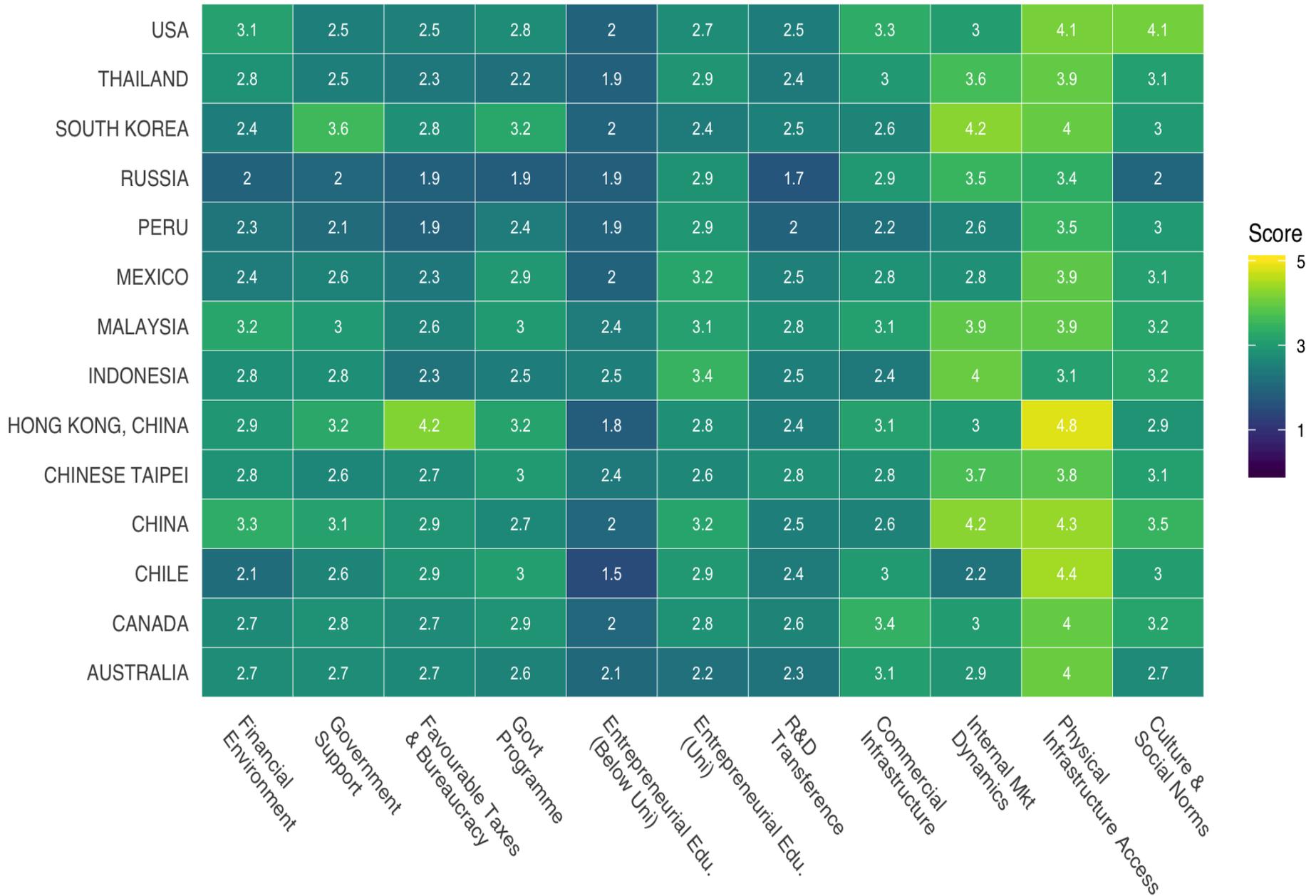
- The APS shows us the characteristics of business owners but is less effective in describing the entrepreneurial environment (e.g. culture, social norms, infrastructure etc.) within which these business owners are operating
- National Expert Survey (NES) is a dataset complementary to the APS which describes the entrepreneurial environment throughout the 14 APEC members included in the study.



Entrepreneurial Ecosystem

- Essentially, the NES is an in-depth interview administered to experts in the field of entrepreneurship which asks them to assess the current state of entrepreneurial ecosystem
- Experts are required to evaluate a wide range of factors that influence entrepreneurship dynamics such as financial environment, government support and physical infrastructure.



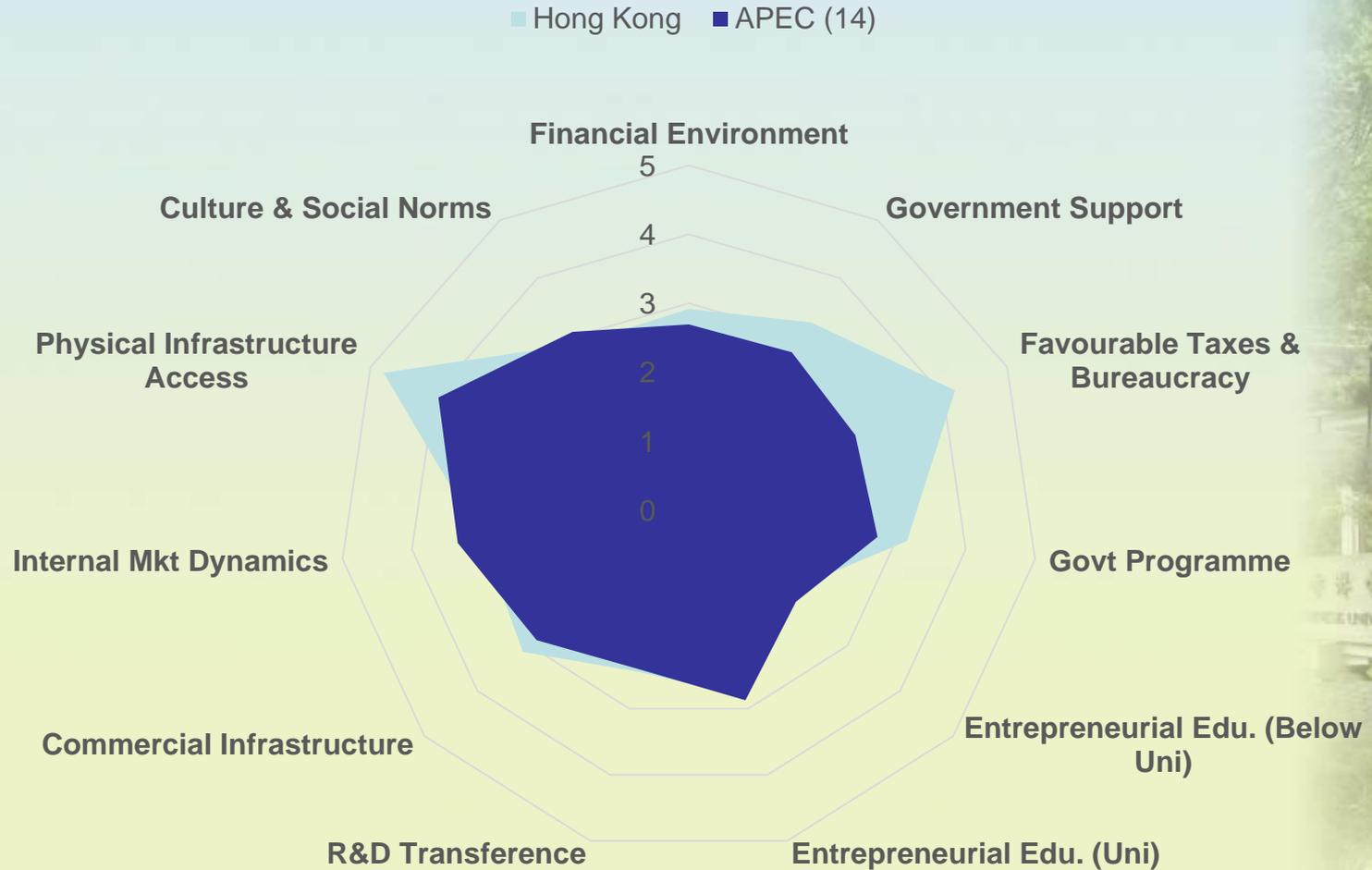


Entrepreneurial Ecosystem

- According to the 2016 NES, physical infrastructure access and entrepreneurial education at primary and secondary school level were cited as Hong Kong's greatest strength and weakness respectively.
- But the heatmap reveals that the same could easily be said for most other APEC economies.
- A key strength that really set Hong Kong apart from other APEC economies, however, was its business-friendly government policies and tax system.



Entrepreneurial Ecosystem



Entrepreneurial Ecosystem

- The above radar chart juxtaposes Hong Kong's scores and the average scores of 14 APEC members (respective scores of each APEC member were presented in the full report).
- In general, experts' assessment of Hong Kong was positive.
- In fact, Hong Kong achieved a higher score in 7 out of all 11 topics considered.



Conclusion

- Approximately 9.4% of the Hong Kong working population engaged in early venture activities in 2016, lagging the average rate of 14 APEC members, at 12.8%.
- Adoption of new technology was slow in Hong Kong, as evident by the fact that some 70% of early-stage ventures and 90% of established businesses were using technology that was more than 5 years old.



Conclusion

- Hong Kong enterprises showed a strong export orientation, with 38.3% of early ventures and 34.1% of established businesses had an export-to-revenue ratio of more than 26%.
- This placed Hong Kong as the most outward looking economy among the 14 APEC members in the 2016 GEM sample.
- Not unlike most other economies in the sample, there were relatively more males than females participating in early venture activities.



Conclusion

- However, the gap between male and female participation was more notable in Hong Kong than the average differences seen in both the APEC and non-APEC regions.
- In Hong Kong, participation in early ventures was much skewed towards high-income group. Meanwhile, early venture participation was more evenly spread among different income groups in other APEC and non-APEC countries.



Future Research Direction

- This pilot study does not identify the *causes and effects* between entrepreneurial features and public policies. This should be the major objective of future research for APEC.
- A much higher proportion of start-ups in Hong Kong was export-oriented. Hong Kong's experience should be reviewed further and lessons could be learnt by other APEC members.



Future Research Direction

- As the higher income group is having the advantage in starting their own businesses, APEC members should consider providing more resources to promote entrepreneurship effectively among the lower income groups.
- As for Hong Kong, the relatively low rate of adoption of technology and female participation in entrepreneurship should be examined in greater details and relevant policies should be formulated.



Future Research Direction

- The GEM data permit longitudinal study as well, reviewing changes in entrepreneurship overtime.. However, we need to encourage all APEC members to participate in the GEM project regularly.
- It is important for APEC members to exchange views on their respective MSMEs' policies (e.g. financing, general support, manpower training, upgrading technology, etc.) and their effectiveness in promoting entrepreneurship.



DEVELOPING THE TOURISM WORKFORCE IN APEC

BY ANDREAS CHAI, CHAR-LEE MOYLE, KATE HUTCHINGS, ANTHONY MAKIN,
NICOLE GAROFANO, ANTJE MARTINS, STEWART MOORE



DEVELOPING THE TOURISM WORKFORCE IN APEC

- Major APEC study sponsored by Australia and undertaken by staff at Griffith University and EarthCheck entitled “Developing the Tourism Workforce of the Future in APEC”
- Study now available from the APEC website under the Tourism Working Group
- This study drew heavily on the results of a comprehensive survey of stakeholders in the tourism industry in APEC economies



BACKGROUND

APEC Action Plan for Promoting Quality Employment, and the APEC Tourism Ministers 2014 commitment to enhance tourism co-ordination

Growing tourism in APEC contributes to:

- ✓ Greater regional integration;
- ✓ Promote the regional growth of services; and
- ✓ Invest in Human Capital Development

2017 also the UN's International Year of Sustainable Tourism for Development



TOURISM: KEY FEATURES AND TRENDS

- The Asia-Pacific remains the fastest growing region in the world around 5.5 % growth predicted for 2017-18 (IMF)
- The tourism industry is growing strongly within the services sector as many APEC economies mature and restructure
- Tourism is under 3% of GDP in APEC GDP as a whole
(higher for Hong Kong SAR (8%), Mexico (7%), Singapore (5%)
Thailand (7%) and Vietnam (7%) (World Travel and Tourism Council 2016)
- Tourism growth in APEC easily exceeds global tourism growth – around 5% growth compared to close to 3% for world as a whole



TOURISM: KEY FEATURES AND TRENDS

- Yet tourism industries in APEC economies are still mainly domestically oriented ie domestic spending on tourism exceeds foreign spending
- On average, tourism industries in APEC economies remain dominated by the domestic market – on average around three quarters of total tourism spending
- The exceptions are Hong Kong, Malaysia, New Zealand, Singapore and Thailand where foreign spending on tourism is at least as high as domestic spending

TOURISM: KEY FEATURES AND TRENDS

- In 2015 travel and tourism supported 48 million jobs in the APEC region or close to 3% of total employment (slightly more than the tourism GDP share)
- APEC economies where tourism contributes relatively more to GDP include Mexico (7%) Thailand (9%) and Vietnam (7%)
- Commodity exporting APEC economies eg Australia and Canada saw some shrinkage in employment in tourism due to Dutch Disease effects

TOURISM: KEY FEATURES AND TRENDS

- Estimated number of visitors to countries in the region in 2016 is 412 million
- Tourism industry set to grow strongly coming decades with numbers of visitors predicted to reach close to 700 million by 2030
- Demographic profiles of several economies are changing significantly with population aging that creates challenges for a sector that traditionally attracts young workers
- Women account for an average of 60% of tourism workforce



TOURISM: LABOUR MARKET ISSUES

- Tourism has created significant employment growth in most APEC members
- And has lead to specific skill and labour shortages in tourism
- Broadly speaking, these skill shortages can be classified as either “soft” (mainly customer service skills), management expertise, digital and “hard” (information and communications technology ICT)

TOURISM: LABOUR MARKET ISSUES

- Micro, Small and Medium Enterprises (MSMEs) are central to the industry where micro is 1-4 employees, small is 5-19, medium is 20-100 and large is 100+
- Around 80% of tourism workforce is in SMEs
- Around 75% of employees are in businesses with fewer than 50 people (vs the norm of around 50% in major economies)
- Wages are generally lower than the average wage in most APEC economies



TOURISM: LABOUR MARKET ISSUES

- Skilled migration a solution to meeting skilled labour shortages
- Migrants propelled by push and pull factors
- Remittances by migrants from emerging economies benefits home countries
- Remittances relatively high for China, Philippines, Mexico, Vietnam, Indonesia and Thailand
- But migration can contribute to labour shortages in home economies in certain circumstances



THE SURVEY

A total of 300+ respondents from across the APEC region, including

- Peak Bodies/Businesses
- Officials
- Employees
- Academics



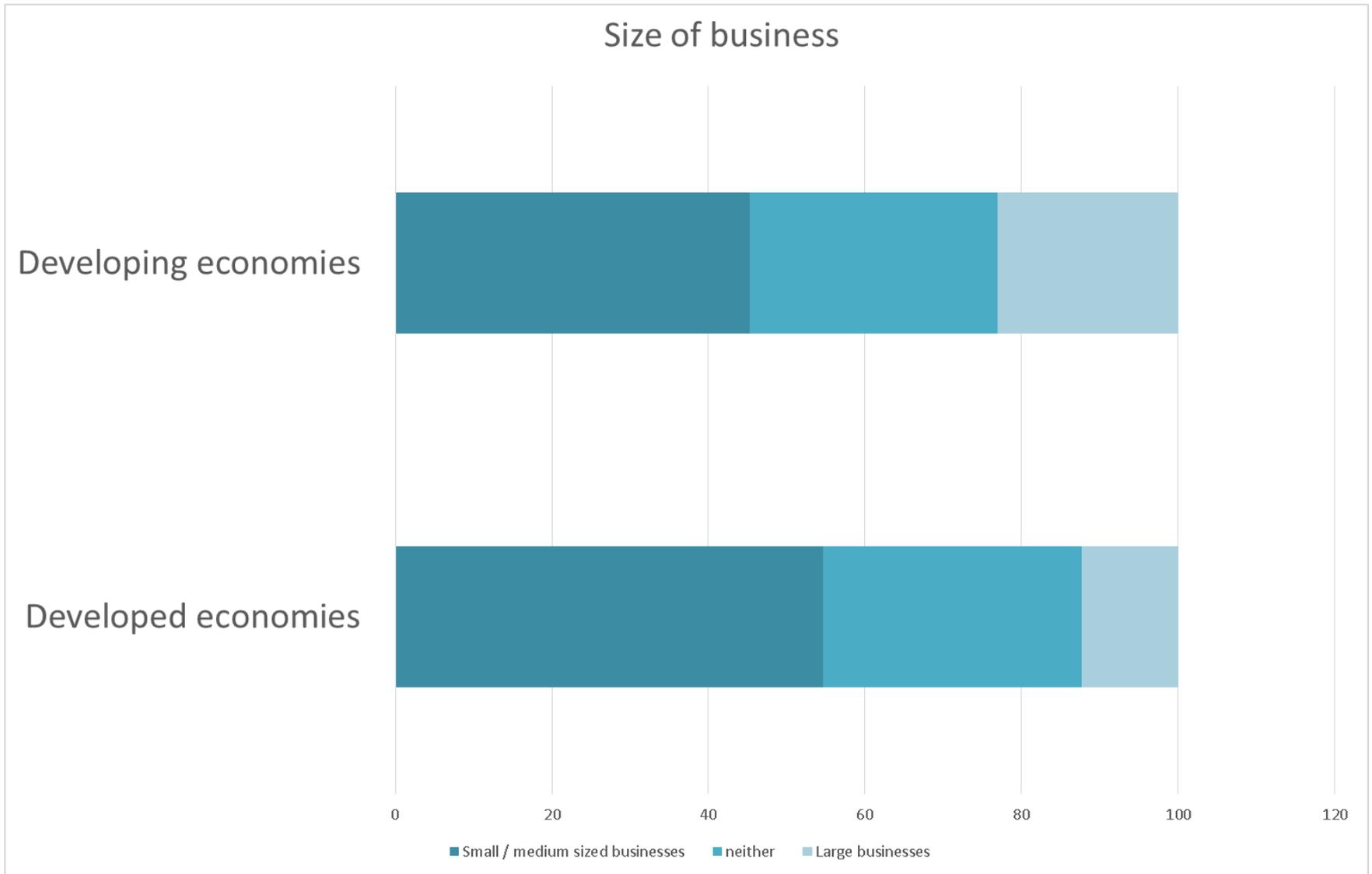
Source: WTTC Survey (2015)

SURVEY DESIGN

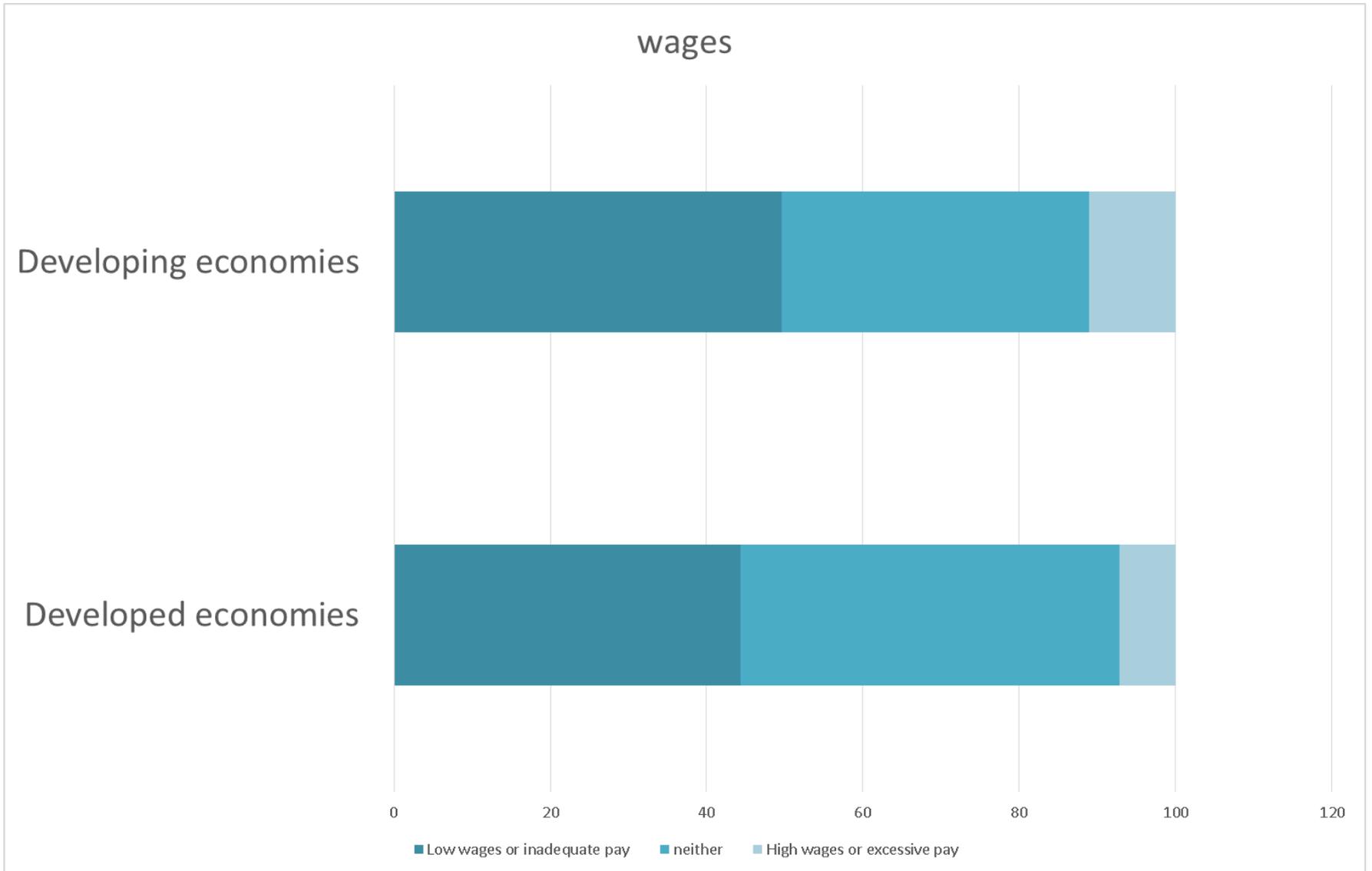
Questions covered the following issues:

- Evolving skills challenges for the tourism workforce
- Industry perception among employees & career pathways
- Tourism Small- and Medium-Sized Enterprises (SMEs) training & recruitment strategies
- Strengthening the links between education and tourism
- Migration and skills recognition
- Issues facing women and youth

EMPLOYERS: SME'S DOMINATE



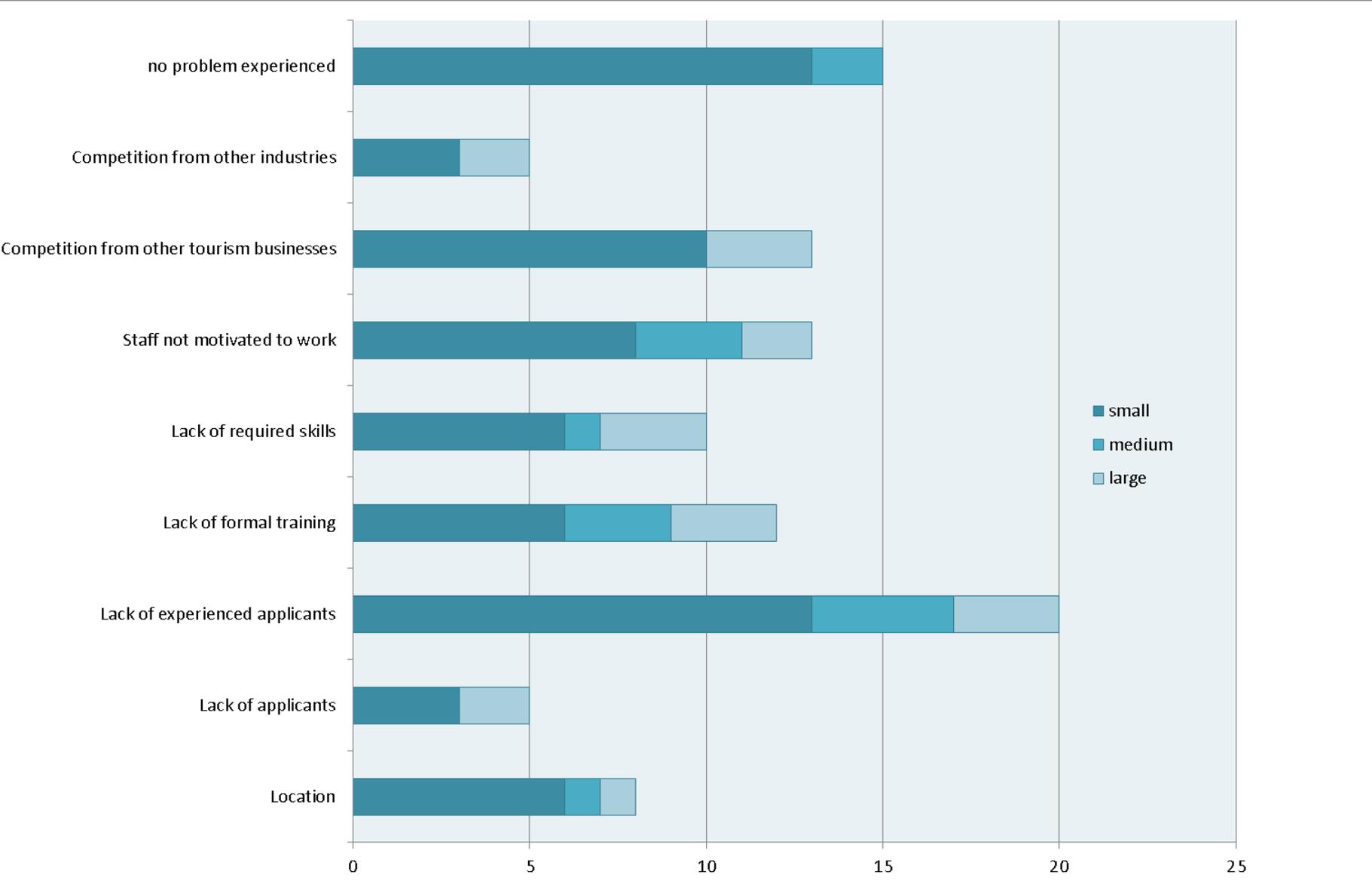
WAGES ARE PERCEIVED TO BE RELATIVELY LOW



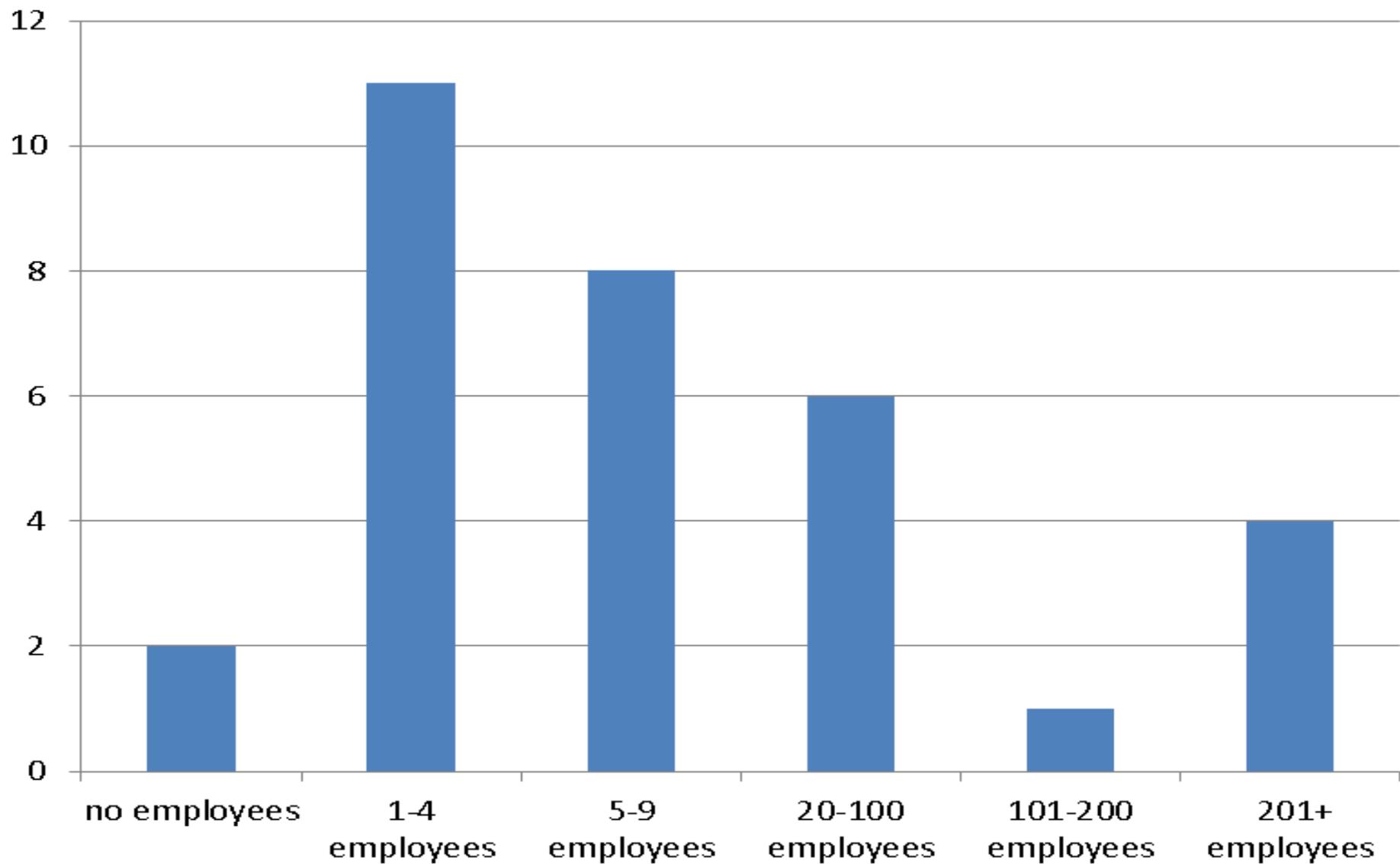
CHALLENGES FOR BUSINESS AND POLICYMAKERS



SME'S NEED SKILLED WORKERS



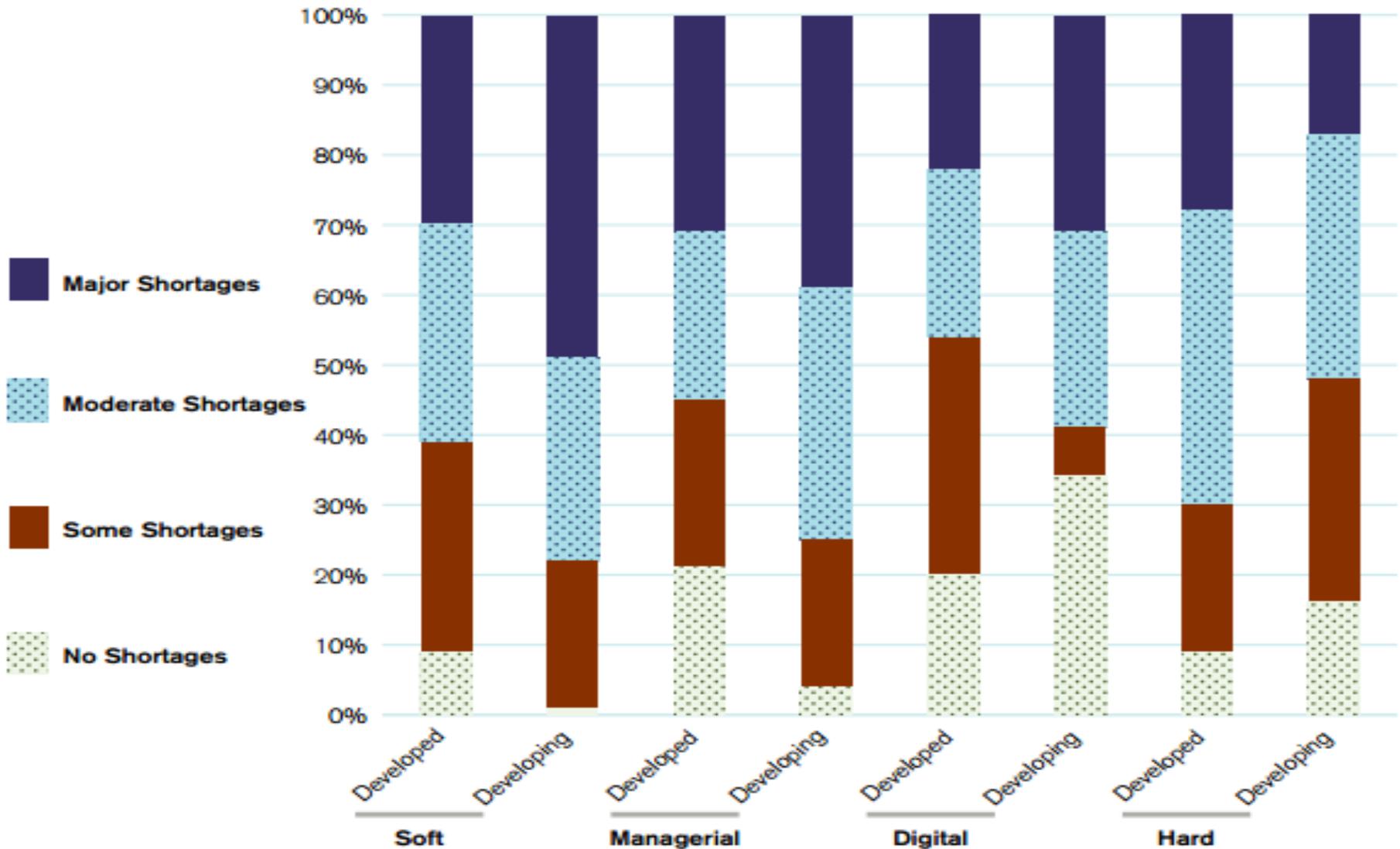
SME'S HAVE GREATEST NEED FOR TRAINING



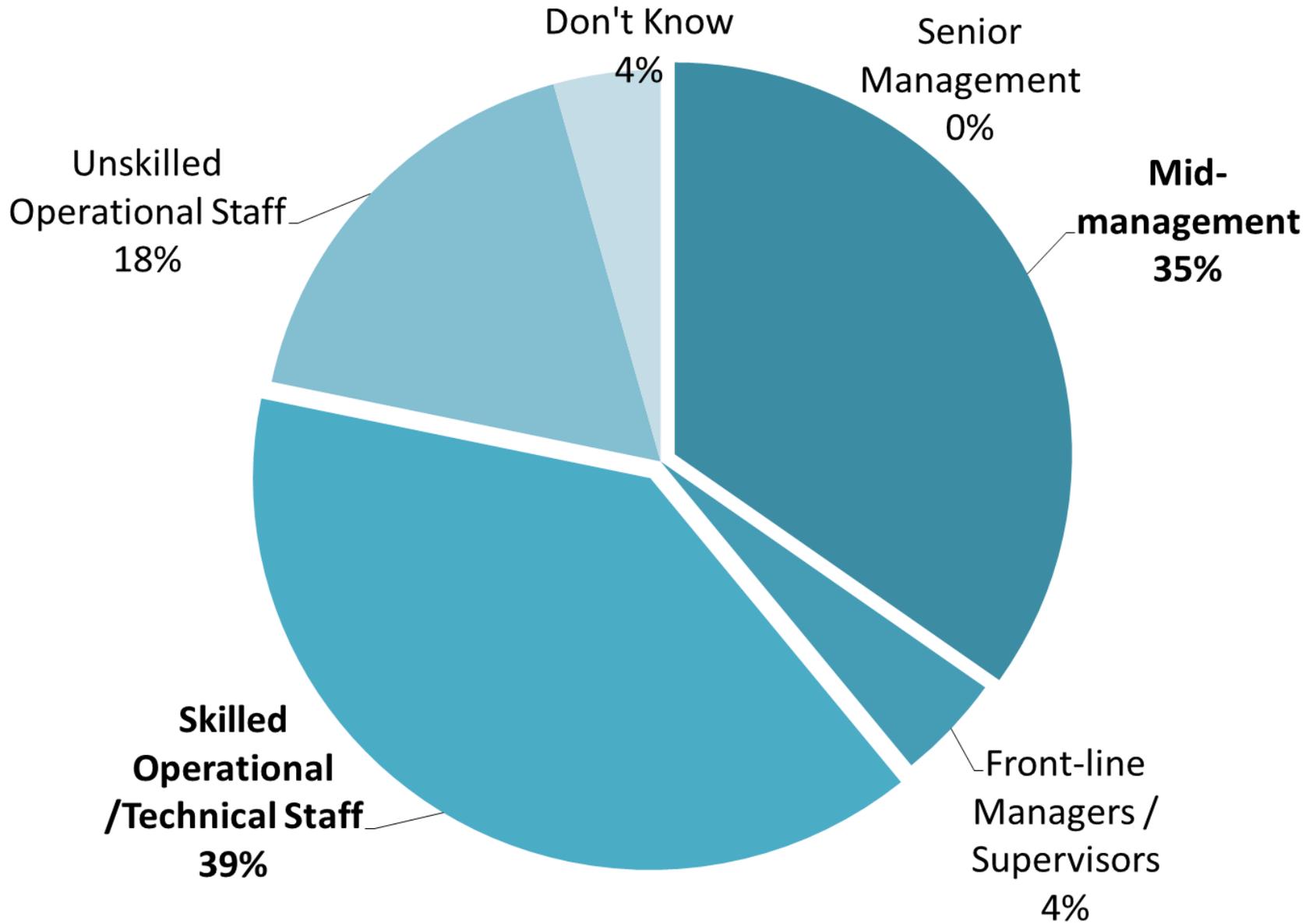
WHERE ARE THE SKILL SHORTAGES?



DIGITAL AND SOFT SKILLS : STRONG REPORTED SHORTAGES



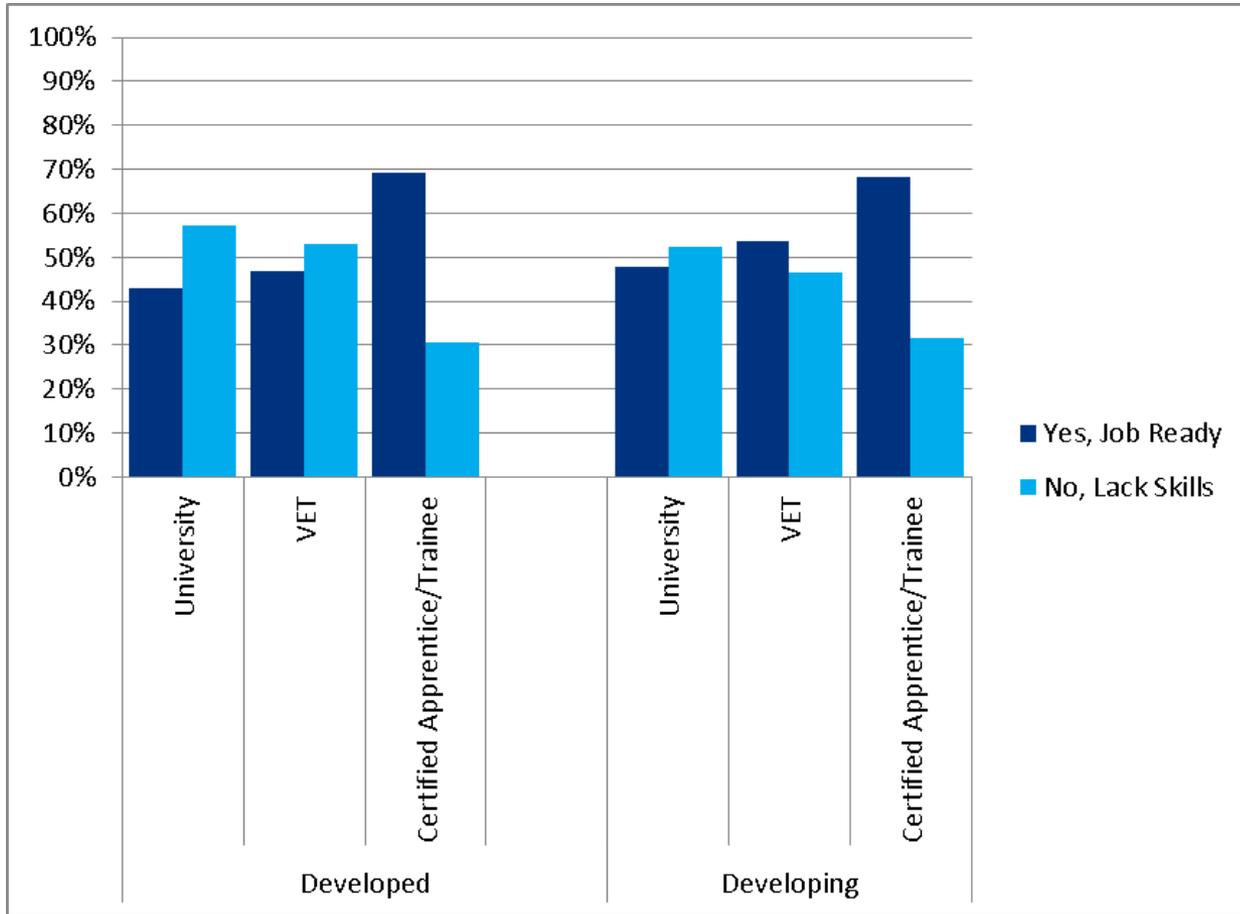
SHORTAGES IN SKILLED STAFF & MID LEVEL MANAGEMENT



WHAT FORMS OF EDUCATION AND TRAINING WORK?

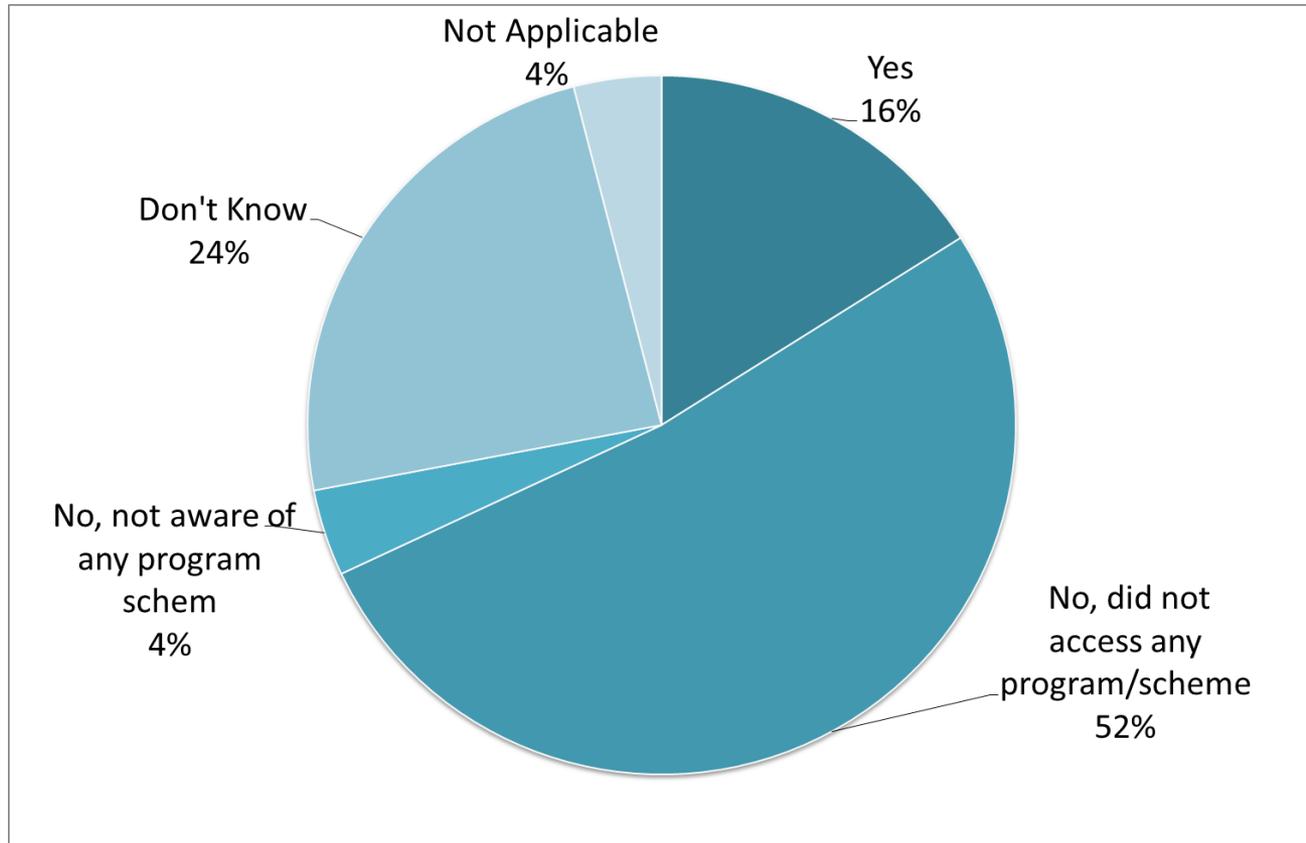


JOB READY: APPRENTICES VS UNIVERSITY GRADS



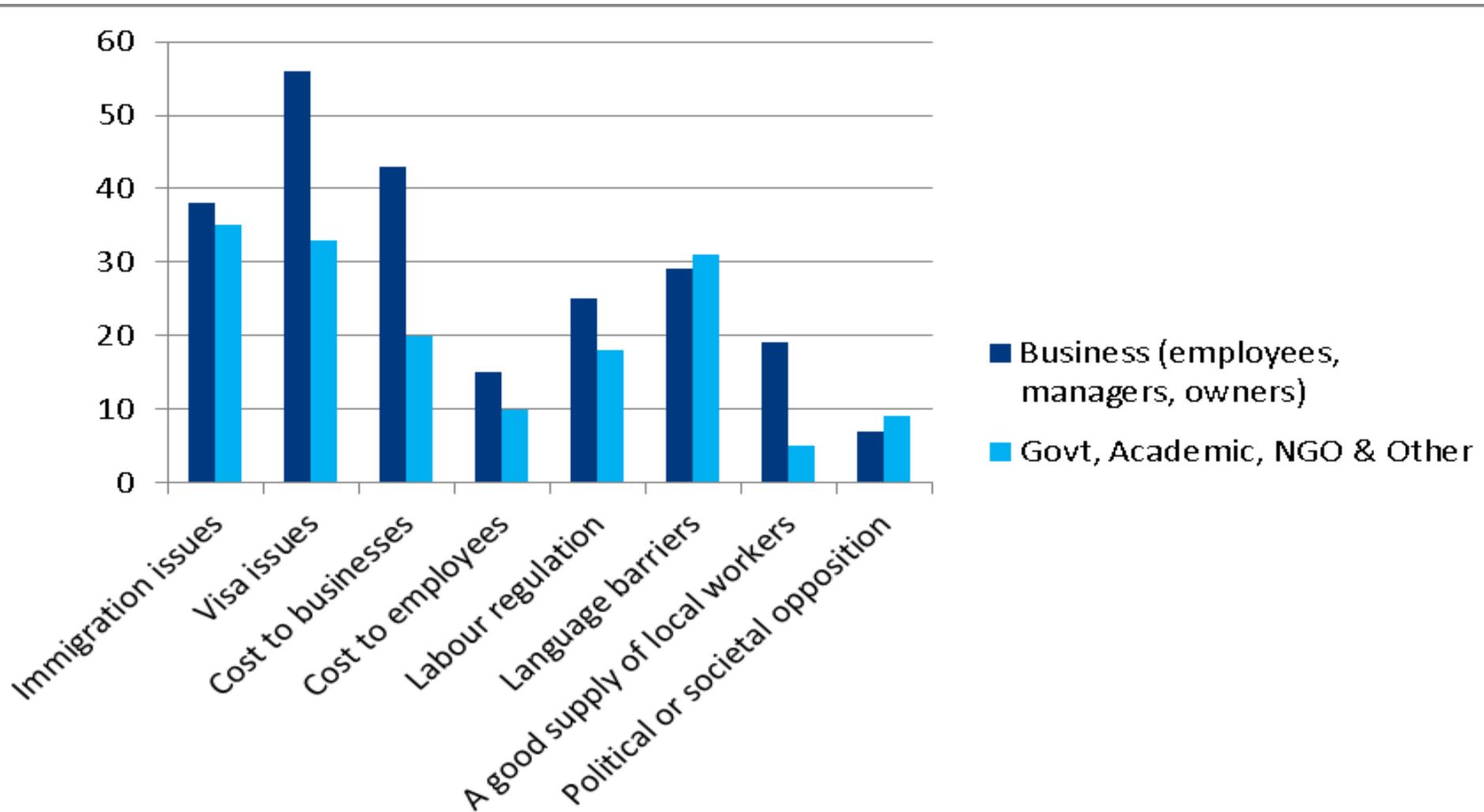
ENGAGEMENT WITH TRAINING IS A PROBLEM

Does your business access any specific government funded education, training, scholarship or apprenticeship programs/schemes?



MAJOR PERCEIVED BARRIERS INCLUDE INTERNATIONAL MIGRATION ISSUES

What are the main barriers that inhibit tourism organisations from investing more in staff training and development?



THE CHALLENGES: MICRO

Growing the tourism workforce faces a number of barriers:

- Barriers to skills development and improved career pathways due to large share of SMEs
- Low staff retention due to low wages, casual and seasonal work and long working hours
- Negative perceptions of industry due to working conditions and unclear career paths
- Low level of coordination between industry and education sector

RECOMMENDED POLICIES

- Encourage APEC labour mobility through improved visa issuance and immigration control
- Migration programs should ensure migrant worker protection and cultural issues, notably language
- Support for SME training
- Improve cross-border qualifications and skill recognition



THE CHALLENGES: MACRO

- Low levels of international labour mobility / barriers to international worker flows
- Achieving greater economic integration in APEC via increased trade is a challenge
- Achieving greater in APEC via foreign investment is a bigger challenge
- But achieving greater economic integration in APEC via increased labour mobility is possibly the biggest challenge of all

Returns to Education in the Philippines

Mariel Monica Sauler

Maria Francesca Tomaliwan

Economics Department



De La Salle University

Introduction

- The topic of private financial returns to education or simply the “effect of education on earnings” is well-established with stylized fact that goes with “earnings increase with education” (Card, 1994).
- In the past decade or so, however, there has been a renewed attention given to the study of education and labor market success. Part of renewed interest is the recent occurrence in many countries wherein rapid growth resulted in an increase in their secondary and post-secondary school enrollment rates.



Introduction

- In the Philippines, Luo and Terada (2009) reported that unemployment rate is considerably higher for the better-educated Filipinos (i.e. those who have received a high school certificate and university certificate, or higher) compared to those with a lower educational attainment.
- While in terms of income inequality, in 2009, the average per capita income for the poorest 20 percent was PhP14,022.00 (around US\$280) while for the richest 20 percent it was PhP176,863 (around US\$3,537). (Albert, Dumagan, and Martinez Jr., 2015)
- In light of recent government policy regarding education, with the K-12 program being implemented, questions regarding the benefits of these investments in *decreasing* wage differentials come to mind. So what's the study's aim/s?



Review of Literature

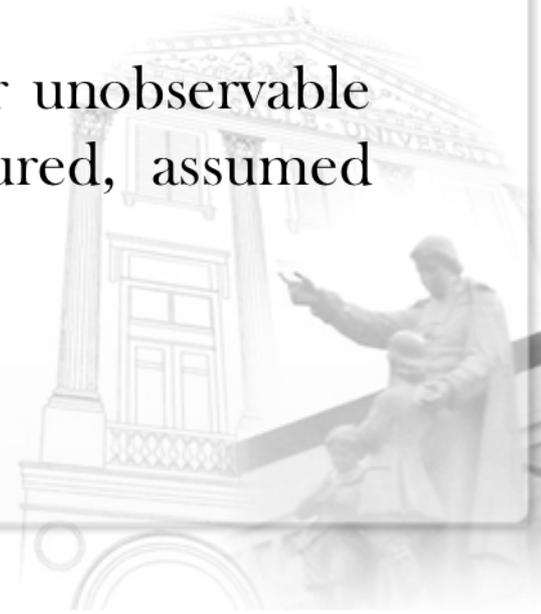
- Much of the cornerstone on the study of the demand for education has been determined by the concept of human capital and has been pioneered by Gary Becker, Jacob Mincer and Theodore Schultz.
- Much of their concepts had led to the standard form of the Mincer earnings model (1974).



Review of Literature

The model is an empirical approximation of the human capital theoretical framework which has a familiar functional equation of $\log w_i = \beta x_i + rS_i + \delta X_i + \gamma x_i^2 + u_i$ where

- w_i = an earnings measure for an individual i such as earnings per hour or week or simply, wages.
- S_i = a measure of their schooling or education,
- x_i = an experience measure (typically, age minus age when left education),
- u_i = a disturbance term representing other unobservable factors which are not explicitly measured, assumed independent of X_i and S_i .



Review of Literature

- Since then, various empirical works had used both straightforward and sophisticated regression methods to estimate coefficients.
- These straightforward regressions includes “earnings” equations being estimated by using ordinary least squares (OLS) while sophisticated modelling procedures were done based on Instrumental Variables (IV).
- Problem: Such estimated coefficient only captures the effect of education on earnings for someone on the mean wage or simply, the average.
- In truth, the returns to education may also differ across the wage distribution. Evidence based on quantile regression (QR) methods suggests that the returns are higher for those in the top decile of the income distribution compared to those in the bottom decile (Harmon, Oosterbeek, and Walker, 2003).



Review of Literature

- In the Philippine setting, a lot of researchers had works on the topics such as:
 - Paqueo and Tan (1989): an additional year of education leads to an increase in private returns by 8.1% and that completing all years of education leads higher private higher returns.
 - Schady (2000): similar results for the male population and even mentioned that despite costs to acquiring a college education are very high, the highest returns are also experienced by those who complete a college degree.
 - Gerochi (2002): estimated both the private and social returns to education for 3 diff. years, said also there is an increase in the private returns to education upon completion of education.
 - Punongbayan (2012) explores Philippine returns to education from the perspective of quantile regression and finds that returns are higher for low-wage individuals.



Data

- The study primarily uses the October rounds of the Philippine Labor Force Survey (LFS), which is a household-level survey conducted quarterly.
 - This is the only quarterly round where the interest variable of “wages” is reported.
- We utilize the LFS data for the years 2008-2012.
- Based on the non-missing data on wages and highest educational attainment, the 5-year sample is reduced to 176,203 observations or household individual members (i.e. an average of 35,241 per year).



Methodology

The private rate of return to investment in education is estimated via the earnings function method (Psacharopoulos 1981, 1994) as most studies on returns to education are based on. We followed the familiar functional equation of $\ln y_i = \alpha + \beta S_i + \gamma_1 X_i + \gamma_2 X_i^2 + u_i$

One issue arises when regressing earnings on characteristics for those in employment is that we are not observing the equation for the population as a whole. Naturally, those in employment will tend to have higher wages than those not in the labor force despite attaining a certain level of education. Thus, the results will tend to be biased and, hence, the term “sample selection bias”.



Methodology

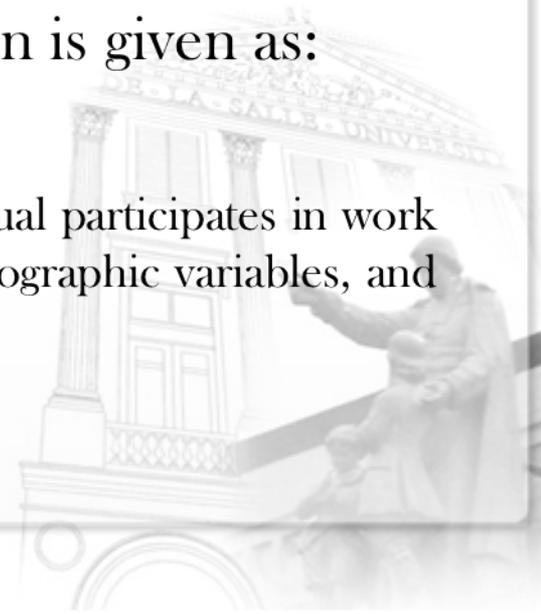
- To take into account the sample selection bias manually, we use the Heckman (1979) two-step procedure. The estimation involves two stages: in the first stage, a labor participation (selection) equation estimates the probability of having worked, and the second stage involves the estimation of the earnings or wage equation.

1) First Stage Probit Estimation

- The first stage estimation, participation equation is given as:

$$y_i = Z_i' \beta + \varepsilon_i$$

where the dependent variable (Y_i) takes a value of 1 if an individual participates in work and a value of 0 if not, Z is a set of human capital variables, demographic variables, and identifying variables represented as



Methodology

- From the estimation of the participation equation, a selection variable (λ), known as the inverse Mills ratio, is created. This estimate is then used as an additional independent variable in the wage equation in the second stage.

2) Second Stage Earnings Function: Quantile Regression

- The distributional approach was based on the use of Quantile Regression (QR) by Koenker and Bassett (1978). The QR model can be written as:

$$\bullet y_i = x_i' \beta_\theta + u_{\theta i} \text{ with } \text{Quant}_\theta(y_i | x_i) = x_i' \beta_\theta$$

- The QR model is able to provide an estimation of the effect of education on earnings at different points of the earnings distribution.



Results and Discussion

• Results for Participation Equation

Table 3. Heckman (Participation Equation) Marginal Effects Estimates Results

Exclusion Variable/ Year	2008		2009		2010		2011		2012	
Household Size	.0165	***	.0157	***	.0154	***	.0168	***	.0168	***
	(.0004751)		(.0004777)		(.0004881)		(.0005029)		(.000491)	
Number of Children Below 18	-.0381	***	-.0396	***	-.0404	***	-.0422	***	-.0431	***
	(.0006356)		(.000654)		(.0006683)		(.0006865)		(.0006898)	
Gender	-.0664	***	-.0677	***	-.0714	***	-.0774	***	-.0795	***
	(.0016028)		(.0016226)		(.0016452)		(.0016837)		(.0016755)	
Place of Origin	.0678	***	.0718	***	.0708	***	.0683	***	.0632	***
	(.0016376)		(.0016622)		(.0016801)		(.0017143)		(.0017095)	
Marital Status: Single	-.0759	***	-.0719	***	-.0774	***	-.0744	***	-.0755	***
	(.0016162)		(.0016368)		(.0016568)		(.0016953)		(.0016854)	
Marital Status: Widowed	-.0574	***	-.0626	***	-.0634	***	-.0592	***	-.0648	***
	(.0031478)		(.003103)		(.0031259)		(.0033451)		(.0032399)	
Marital Status: Divorced/ Separated	.1038	***	.0834	***	.0913	***	.0975	***	.1049	***
	(.0093574)		(.0090161)		(.0090494)		(.0087428)		(.0086783)	
Marital Status: Unknown	(omit)	-	.0361		.1425	***	.0311		.1420	***
			(.0681623)		(.054813)		(.0588085)		(.0684013)	
Marital Status: Annulled	.1557	***	-.0026		.1682		.1182		.2459	***
	(.0842313)		(.0891786)		(.1392044)		(.0966748)		(.0965099)	
Number of Observations	202,083		201,478		201,695		203,011		206,020	



Results and Discussion

- **General Results for Participation Equation for 2008-2012**
 - A positive relationship exists between household size and the probability of being in work.
 - A negative relationship exists between number of children below 18 years of age and the probability of being in work.
 - Females are less likely to participate than their male counterparts.
 - People residing in urban areas are more likely to participate than those residing in rural areas.
 - A single or widowed person are less likely to participate in labor force than their married counterparts as marriage increases financial responsibility particularly on male individuals as the head of the family.



Results and Discussion

• Results for Selectivity Corrected Wage Equation

Table 4. Selectivity Corrected (Heckman) Estimates of the Wage Equation using Educational Levels

Human Capital Variable / Year	2008		2009		2010		2011		2012	
Elementary Graduate	-.1946 (.0096168)	***	-.2248 (.0099284)	***	-.2104 (.009913)	***	-.1979 (.0097044)	***	-.1466 (.0097786)	***
High School Graduate	.0336 (.0076655)	***	.0234 (.007689)	***	.0047 (.0076294)		.01440 (.0073537)	***	.1430 (.0072097)	***
College Graduate	.8600 (.0080962)	***	.8704 (.0081477)	***	.8930 (.0081034)	***	.9335 (.0079938)	***	1.015 (.0080761)	***
Experience	.0217 (.0007574)	***	.0226 (.0007664)	***	.0218 (.0007478)	***	.0224 (.0007303)	***	.0224 (.000711)	***
Experience Squared	-.0003 (.0000148)	***	-.0003 (.0000151)	***	-.0003 (.0000145)	***	-.0003 (.0000143)	***	-.0003 (.0000137)	***
Intercept	6.069 (.016397)	***	6.062 (.0165152)	***	6.124 (.01633)	***	6.113 (.0155895)	***	6.040 (.015426)	***
Rho	-.8719 (.0035948)	***	-.8564 (.003992)	***	-.8615 (.0038862)	***	-.8606 (.0038402)	***	-.8466632 (.004072)	***
Wald Chi Squared	15989.83		16436.88		17587.66		19011.29		20889.95	
Number of Observations	202,083		201,478		201,695		203,011		206,020	



Results and Discussion

- Selectivity Corrected Wage Estimates for 2008-2012
 - We find that there is an evidence in favor of a sample selection as the rho estimates from the years 2008-2012 are found to be not zero and significant in terms of the Wald's test as we reject the null hypothesis that $\rho_{\varepsilon_u}=0$.
 - The rho estimate (ρ_{ε_u}) indicates the correlation coefficient between error terms in the participation and earnings equation. If the random component of the selection process is distributed independently of the random component of the function of the earnings equation, the population covariance between the errors terms in the participation and earning equation should have been zero.



Results and Discussion

• Results for Quantile Regression for 2008-2010

Table 6. Estimates of Quantile Regression using Educational Levels and Experience in 2008

	Q10		Q25		Q50		Q75		Q90	
Elementary Graduate	-.0733	***	-.1151	***	-.1532	***	-.2152	***	-.2889	***
High School Graduate	.0702	***	.0844	***	.0939	***	.0330	***	-.0459	***
College Graduate	.9043	***	.8944	***	.8853	***	.8200	***	.7615	***
Experience	.0275	***	.0271	***	.0270	***	.0220	***	.0185	***
Experience Squared	-.0004	***	-.0004	***	-.0004	***	-.0003	***	-.0002	***
Inverse Mills	-.7421	***	-.8238	***	-.8297	***	-.7228	***	-.6321	***

Table 7. Estimates of Quantile Regression using Educational Levels and Experience in 2009

	Q10		Q25		Q50		Q75		Q90	
Elementary Graduate	-.1330	***	-.1334	***	-.1916	***	-.2532	***	-.3172	***
High School Graduate	.0359	***	.0776	***	.0643	***	.0066	***	-.0670	***
College Graduate	.8833	***	.9115	***	.8897	***	.8446	***	.7730	***
Experience	.0282	***	.0273	***	.0281	***	.0226	***	.0175	***
Experience Squared	-.0005	***	-.0005	***	-.0005	***	-.0003	***	-.0002	***
Inverse Mills	-.8062	***	-.8691	***	-.8684	***	-.7236	***	-.6097	***

Table 8. Estimates of Quantile Regression using Educational Levels and Experience in 2010

	Q10		Q25		Q50		Q75		Q90	
Elementary Graduate	-.0609	***	-.1011	***	-.1821	***	-.2554	***	-.3072	***
High School Graduate	.0606	***	.0636	***	.0533	***	.0022	***	-.0821	***
College Graduate	.9412	***	.9281	***	.9043	***	.8731	***	.8185	***
Experience	.0261	***	.0266	***	.0268	***	.0220	***	.0182	***
Experience Squared	-.0005	***	-.0005	***	-.0005	***	-.0003	***	-.0003	***
Inverse Mills	-.7617	***	-.8724	***	-.8449	***	-.7070	***	-.6267	***

*, **, *** indicate significance levels at 10, 5 and 1% level of significance, respectively.



Results and Discussion

• Results for Quantile Regression for 2011-2012

Table 9. Estimates of Quantile Regression using Educational Levels and Experience in 2011

	Q10		Q25		Q50		Q75		Q90	
Elementary Graduate	-.0644	***	-.1133	***	-.1606	***	-.2108	***	-.3114	***
High School Graduate	.0636	***	.0494	***	.0679	***	.0265	***	-.0706	***
College Graduate	.9155	***	.9111	***	.9613	***	.9429	***	.8682	***
Experience	.0238	***	.0249	***	.0271	***	.0245	***	.0199	***
Experience Squared	-.0004	***	-.0004	***	-.0004	***	-.0004	***	-.0003	***
Inverse Mills	-.7344	***	-.8423	***	-.8443	***	-.7014	***	-.5831	***

Table 10. Estimates of Quantile Regression using Educational Levels and Experience in 2012

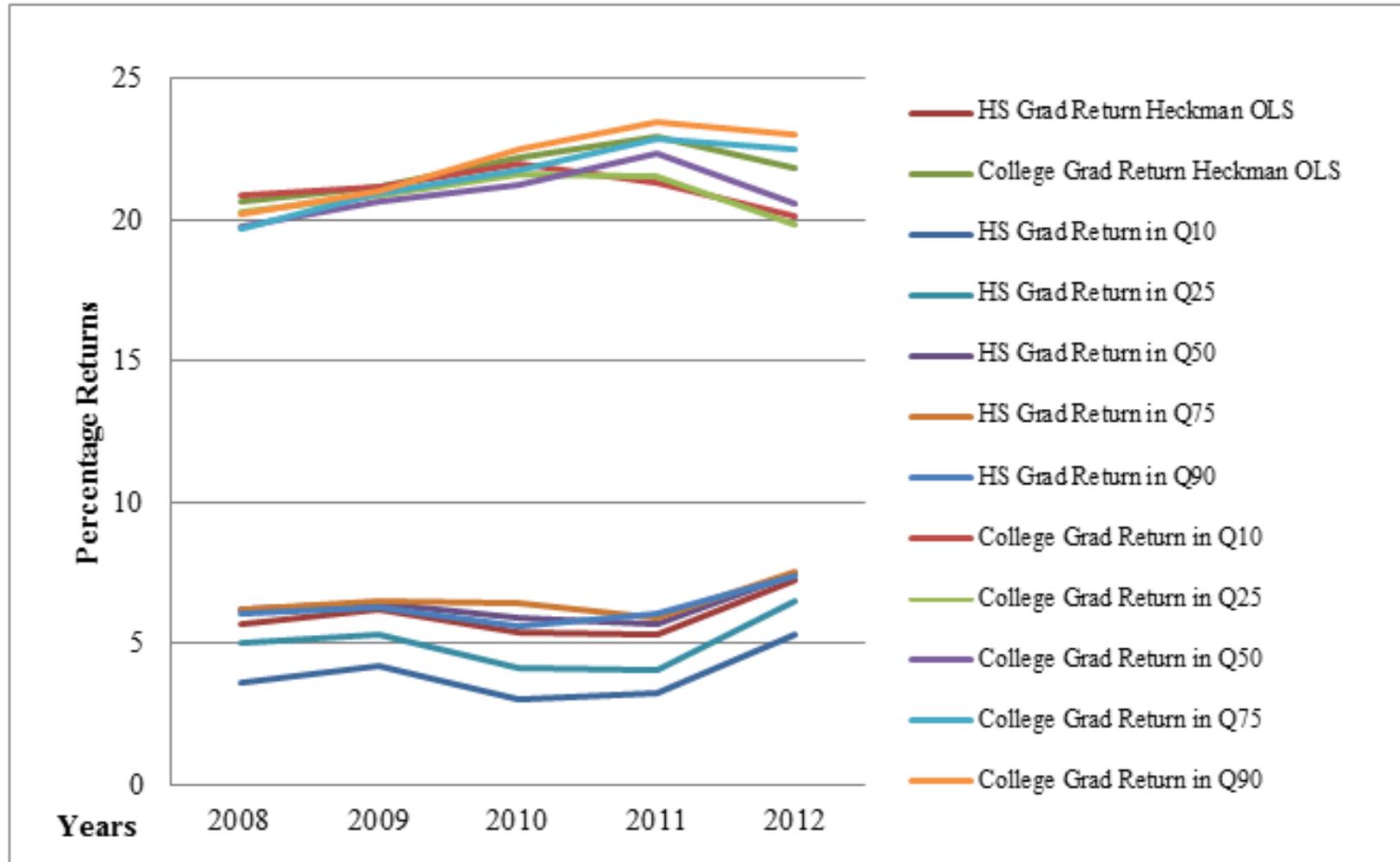
	Q10		Q25		Q50		Q75		Q90	
Elementary Graduate	-.0753	***	-.0956	***	-.1117	***	-.1588	***	-.2406	***
High School Graduate	.1378	***	.1643	***	.1875	***	.1439	***	.0555	***
College Graduate	.9439	***	.9567	***	1.012	***	1.043	***	.9775	***
Experience	.0211	***	.0232	***	.0254	***	.0243	***	.0209	***
Experience Squared	-.0004	***	-.0004	***	-.0004	***	-.0004	***	-.0003	***
Inverse Mills	-.7744	***	-.8642	***	-.7860	***	-.6426	***	-.5645	***

*, **, *** indicate significance levels at 10, 5 and 1% level of significance, respectively.



Results and Discussion

Figure 1. Returns to HS and College Education from 2008-2012 across quantiles and mean



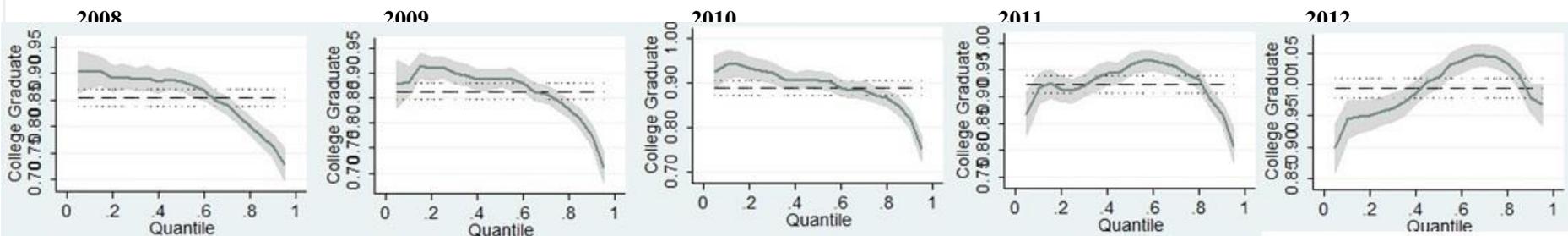
Results and Discussion

In using the QR approach using selectivity corrected estimates,

- 1) Rates of return to education (high school and college) across different wage quantiles (QR Estimation) and the across the mean (OLS Heckman Corrected Estimation). (See Figure 2)
- 2) Across different quantiles (.10, .25, .50,.75 and .90), the returns to education have the positive coefficients indicating that high school and college schooling has a positive impact on the wage distribution.
- 3) The effect of a high school level education on earnings is significantly smaller at lower quantiles, and is larger at higher quantiles (for example, in 2012, there is a 38.94% gap between $Q=.10$ and $Q=.90$)
- 4) The effect of a college level education on earning is still smaller at lower quantiles compared to higher quantiles but not a significantly large gap (for example, in 2012, there is 14.38% gap between $Q=.10$ and $Q=.90$).



Figure 2. Comparison of OLS and Quantile Regression Estimates by College Grad Level from 2008-2012



Note: In this figure, the dashed (horizontal) line and the continuous line show the OLS estimate and quantile regression estimates, respectively. The two dotted lines and the shaded region around the continuous line depict 95% confidence intervals for the two estimates.



Conclusion

- Previous studies in the Philippines have shed light on the issue of the effect of education on earnings; however, we utilized more recent data and by accounting for any selectivity bias present.
- We find that returns to education are highest when the university level is completed, echoing results of earlier studies, and emphasizing the importance of ensuring that the right incentives are in place for families to invest in completing education.
- Higher demand for labor with higher and more specialized education might also result to higher returns in university graduates
- If we assess the returns to education across the wage distribution, even if we find that returns are higher upon completion of high school and college, the returns are higher for the higher quantiles, with the difference between the lowest and highest quantile being larger for the high school level.



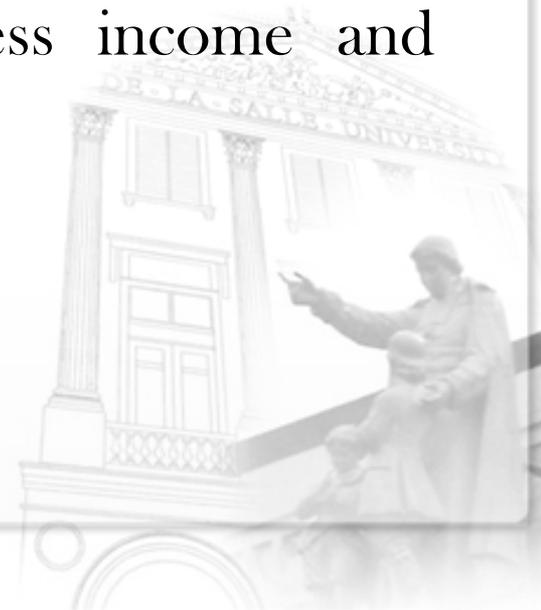
Conclusion

- Our results indicate that there is an incentive for individuals to achieve high levels of education and this finding may be linked to the status of the household.
- If private returns to education increase at higher levels of education, poorer families who educate their children at the elementary level will face low returns whereas richer families who educate their children to secondary or beyond will face higher returns.
- As a result the poor families are motivated to invest less per child than the richer families and inequality might persist between education and earnings, which may increase over time both between families and within the family (Schultz, 2004).



Policy Recommendation & Future Research

- As a further gap might persist between earnings and education through time, education reform might play a part in lessening this gap.
- As reported by Checchi and van de Werfhorst (2014), educational reform and its impact on distribution of skills and attainment is related to the level of income/earnings inequality in a society. Consequently, educational policies can be part of an effective strategy to address income and earnings distributions.
- The next step: answering endogeneity....



Accounting for Endogeneity

- The “schooling” variable is believed to be endogenous because of the observed ability bias.
- To answer endogeneity, the authors are planning to use quantile instrumental variable regression
- This means we are able to instrument the “schooling” variable with instrumental variables such as spouse’s education while regressing the earning function through the wage distribution.



References

- Agrawal, T. (2011). "Returns to Education in India: Some Recent Evidence". Indira Gandhi Institute of Development Research Working Paper Series 2011.
- Albert, J.R., Dumagan, J., and Martinez, Jr., A. (2015). "Inequalities in Income, Labor, and Education." Philippine Institute for Development Studies. Discussion Paper Series No. 2015-01.
- Arabsheibani, G. and Mussurov, A. (2007). "Returns to schooling in Kazakhstan: OLS and instrumental variables approach." *Economics of Transition* 15(2): 341-364.
- Becker, G. (1964), *Human Capital: A Theoretical and Empirical Analysis, with Special Reference to Education*, (Columbia University Press, New York).
- Buchinsky, M. (1994). "Changes in the US wage structure 1963-1987: Application of quantile regression." *Econometrica*: 405-458.
- Card, D. (1994) "Earnings, schooling, and ability revisited", National Bureau of Economic Research, No. w4832.
- Card, D. (2001), "Estimating the Return to Schooling: Progress on Some Persistent Econometric Problems", *Econometrica*, 69.
- Coelho, D., Soares, F. and Vezteg, R. (2008). "Quantile Regression with Sample Selection: Estimating Married Women's Return of Education and Racial Wage Differential in Brazil". forthcoming in *Pesquisa e Planejamento Econômico*
- Dougherty, C. (2012). *Introduction to Econometrics*, 4th ed. Oxford University Press.
- Gerochi, H. (2002). Returns to Education in the Philippines. *The Philippine Review of Economics* XXXIX (2).
- Harmon, C., Oosterbeek, H. and Walker, I. (2003). "The returns to education: microeconomics", *The Journal of Economic Surveys* 17(2).
- Heckman, J., Lochner, L. and Todd, P. (2003). "Fifty Years of Mincer Earnings Regressions". Retrieved on June 23, 2015 from <http://time.dufe.edu.cn/mingrendt/lochner030404.pdf>
- Koenker, R. and Bassett Jr., G. (1978). "Regression quantiles", *Econometrica*: 33-50.
- Lall, A. and Sakellariou, C. (2010), "Evolution of Education Premiums in Cambodia: 1997-2007", *Journal of the East Asian Economic Association*, Vol. 24, No. 4, 333-354, East Asian Economic Association & Blackwell Publishing.
- Lee, S. (2007). "Endogeneity in quantile regression models: A control function approach." *Journal of Econometrics* 141(2): 1131-1158.
- Luo, X. and Terada, T. (2009) "Education and wage differentials in the Philippines", World Bank Policy Research Working Paper.
- Mincer, J. (1974) "Schooling, Experience and Earnings". Columbia University Press, New York.
- Newey, W., Powell J., and Vella. F. (1999). "Nonparametric estimation of triangular simultaneous equations models." *Econometrica*: 565-603.
- Paqueo, V. and Tan, J. (1989). "The Economic Returns to Education in the Philippines." *International Journal of Education Development*. 9 (3).
- Pencavel, J. (1998). 'Assortative mating by schooling and the work behavior of wives and husbands', *American Economic Review*, 88 (2), pp. 326-329.
- Philippine Statistics Authority (2012). *Technical Notes on the Labor Force Survey (LFS)*. Retrieved on October 1, 2015 from <https://psa.gov.ph/content/technical-notes-labor-force-survey-lfs>
- Punongbayan, J.C. (2013). "Returns to education and wage structure in the Philippines: a quantile regression approach." World Bank (mimeo).
- Schady, N. (2000). "What Education Pays? Non-Linear Returns to Schooling Among Filipino Men." World Bank (mimeo).
- Trostel, P., Walker, I. and Woolley, P. (2002). 'Estimates of the economic return to schooling for 28 countries', *Labour Economics*, 9(1), pp. 1-16.
- Walker, I. and Zhu, Y. (2001) *The Returns to Education: Evidence from the Labour Force Survey*. Department for Education and Skills (DFES) Research Report, No.313, 63.



***Pathways to Operationalizing the APEC
MSME Marketplace:
A Focus on Realizing Pillar 1 via
B2B E-Commerce***

Mr. Jovito Jose P. Katigbak

ASCC Conference 2017, Hanoi, Vietnam

12-13 May 2017

Center for International Relations and Strategic Studies



Outline

- I. (M)SMEs and E-Commerce Trends in the Asia-Pacific Region
- II. APEC-wide Initiatives on Integrating (M)SMEs into GVCs through the Digital Platform
- III. Opportunities and Challenges faced by (M)SMEs
- IV. Best Practice(s) in Promoting B2B E-Commerce in Asia-Pacific
- V. Pathways to Operationalizing APEC MSME Marketplace



SMEs in the APEC Region

Over 97% of enterprises in APEC economies are SMEs



The economic contribution of SMEs varies among APEC members

Percent of SME contribution to economy



Note: Data not available for Chile; Hong Kong, China; Papua New Guinea; Peru.

● SMEs ● Large Enterprises

SMEs account for a significant portion of employment

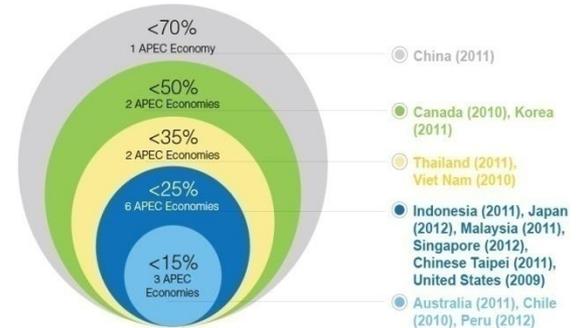


Note: Data not available for Australia and Papua New Guinea.

Definition of SMEs varies across APEC economies

At present, there is no common and regional definition of SMEs among APEC members. In general, four criteria have been used to define a SME – number of employees, annual sales or revenue, assets, and capital or investment. There are also sector-specific criteria in most cases. Though most economies use number of employees as a criterion, the caps vary considerably from 20 employees in New Zealand to 1000 employees in China.

SME export value as a share of total export value: opportunities for growth



Note: Data not available for Brunei Darussalam; Hong Kong, China; Mexico; New Zealand; Papua New Guinea; Philippines; and Russia.

APEC is enhancing SME competitiveness and access to global markets

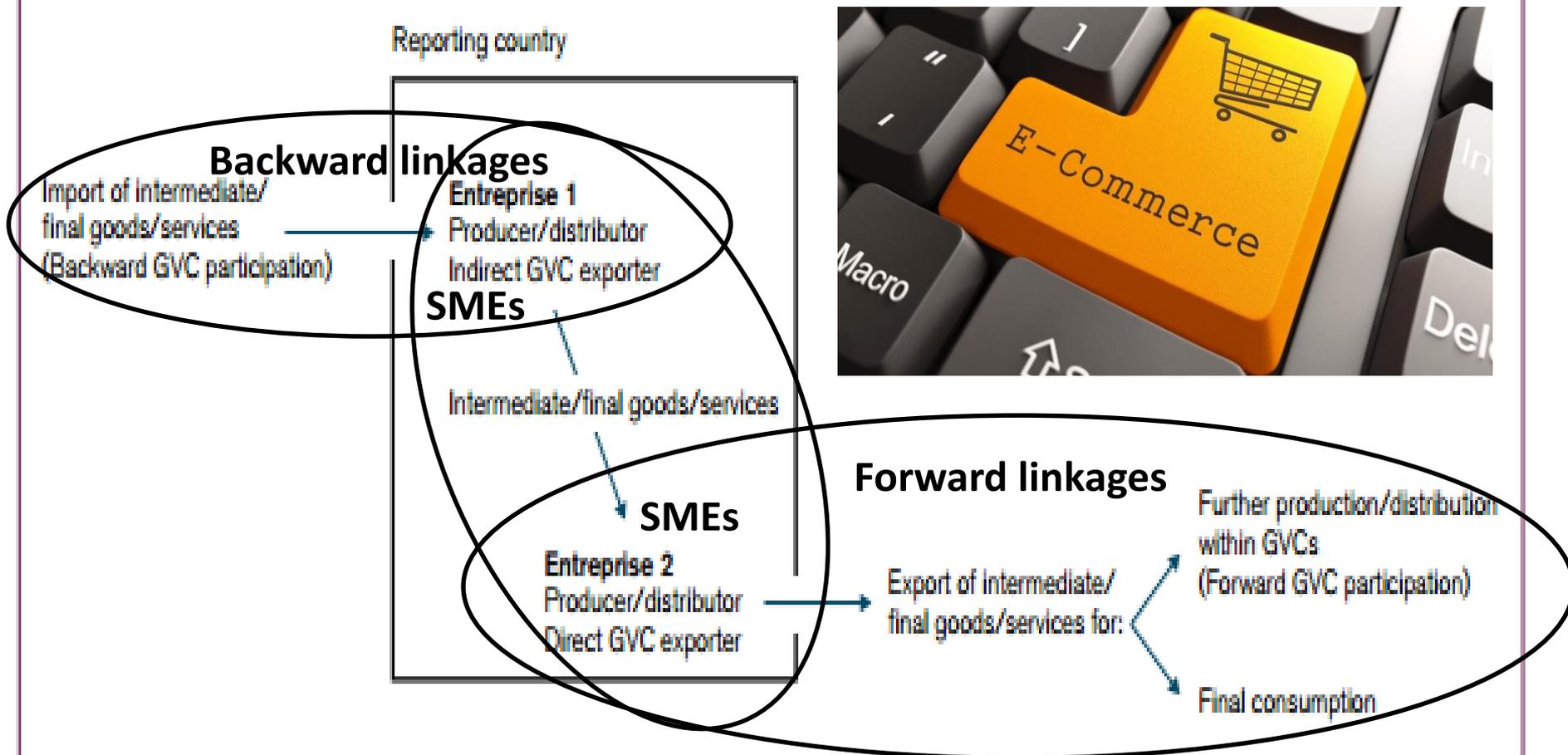
APEC member economies and the private sector are working together under the SME Working Group Strategic Plan to improve conditions for SME development and greater inclusive growth in the region. Priority areas include:

- Building management capacity, entrepreneurship and innovation;
- Financing;
- Business environment, market access and internationalization.



Source: APEC Policy Support Unit, Policy Brief No. 8 – SMEs in the APEC Region, December 2013.

Figure B.11: Schematic presentation of GVC trade flows

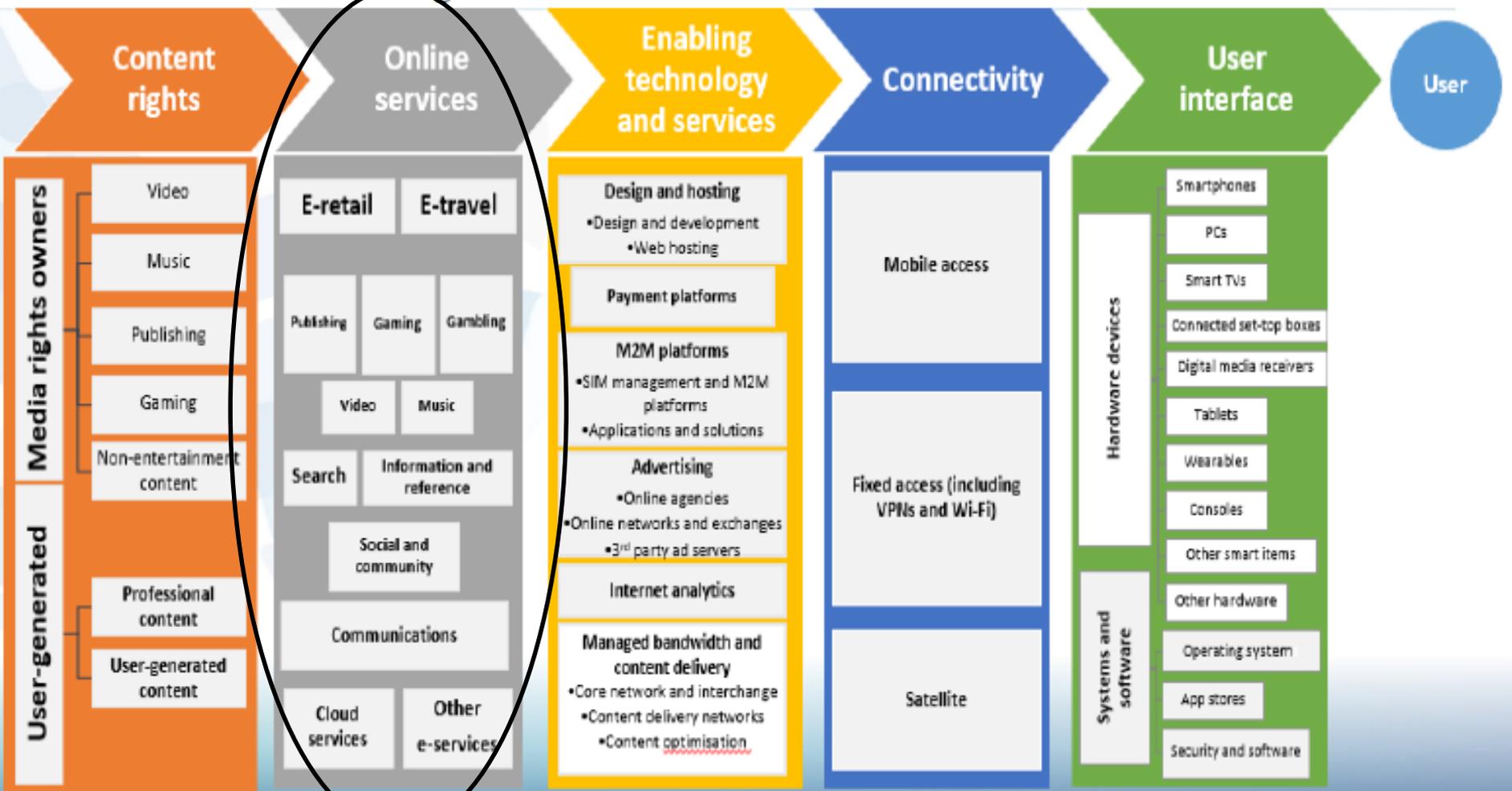


Source: WTO Secretariat.

Source: WTO, *World Trade Report 2016: Levelling the trading field for SMEs*, September 2016, 39-40.



Figure 1. The Internet Value Chain



Source: AT Kearney (2010).

Taken from: Gloria O. Pasadilla and others, "Facilitating Digital Trade for Inclusive Growth: Key Issues in Promoting Digital Trade in APEC", Issue Paper No. 12 (Singapore: APEC Policy Support Unit, April 2017), 3.



Trends in E-Commerce

	B2B	B2C (B2B2C)	C2C	C2B	G2B	G2C
Description	Business-to-Business: The exchange of services or products between two businesses.	Business-to-Consumers: Businesses selling products or services directly to consumers. This segment comprises the majority of traditional e-commerce transactions	Consumer-to-Consumer: Customers selling directly to other customers. These types of transactions have the lowest barriers to entry	Consumer-to-Business: Consumers and individuals with skills offer their services directly to companies. Consumers and individuals with skills offer their services directly to companies.	Government-to-Business: Government providing products or services directly to businesses.	Government-to-Consumer: Government providing products or services directly to consumers.
Services	Professional firms, Back office (NightHawk Radiology, OrangeNow)	Travel, Entertainment, Software (Bookings.com, Netflix)	"Sharing Economy", professional individuals (Uber, Airbnb, TelaDoc, updesk.com, App stores)	Freelancer (Amazon associates, freelancer.com)	Online Tax, certifications, registrations, Single Window.	Online Tax, Online ID, travel documents and visas, training and education, consumer protection
Manufactured Goods	Wholesale (Alibaba)	Retail, Flea market (Amazon, Taobao, eBay, Etsy, etc.)		Local artisan (Etsy)	Single Window	e-food stamps
Commodities	Bulk commodity (JUMORE)	Broad range of diverse players, Including agricultural goods			Single Window	e-subsidies

Table screengrabbed from: *Driving Economic Growth Through Cross-Border E-Commerce in APEC: Empowering MSMEs and Eliminating Barriers* by APEC Business Advisory Council and University of Southern California, November 2015, 6.



Trends in E-Commerce

- *The global B2B e-commerce market is projected to reach USD6.7 trillion by 2020, twice the size of the international B2C market (currently at USD3.2 trillion) (Frost and Sullivan, 2015).*
- *The digital commerce platform market will expand at a Compound Annual Growth Rate (CAGR) of over 15 percent between 2015 and 2020, according to Gartner (Columbus, 2016).*
- *40 percent of B2B digital commerce sites will utilize price optimization algorithms and configure, price, quote (CPQ) tools to calculate and deliver product pricing dynamically by 2018, according to Gartner (Columbus, 2016).*

Source: "The Global B2B E-commerce Market Will Reach 6.7 Trillion USD by 2020, Finds Frost & Sullivan," *Frost & Sullivan*, April 9, 2015, Wednesday, <http://ww2.frost.com/news/press-releases/global-b2b-e-commerce-market-will-reach-67-trillion-usd-2020-finds-frost-sullivan/> (accessed 20 May 2016).



Trends in E-Commerce

According to the ABAC and USC Survey in 2015:

- *74 percent of businesses in the APAC region believes that cross-border e-commerce will serve as the key disruptive force on their economy until 2018*
- *82 percent views cross-border e-commerce as a significant force on MSMEs until 2018; and*
- *48 percent sees cross-border e-commerce as an essential component of their business strategy in the future.*

Taken from: *Driving Economic Growth Through Cross-Border E-Commerce in APEC: Empowering MSMEs and Eliminating Barriers* by APEC Business Advisory Council and University of Southern California, November 2015, 3-5.



II. APEC-wide Initiatives on Integrating (M)SMEs into GVCs through the Digital Platform

- 2015 was a breakthrough year for APEC and (M)SMEs as two important efforts were endorsed and supported by Member Economies: 1) Iloilo Initiative: Growing Global MSMEs for Inclusive Development; and 2) Boracay Action Agenda to Globalize MSMEs
- Momentum carried on to 2016 when Peru, the APEC Host, prioritized modernizing MSMEs and furthering their integration into the GVCs. A Workshop on Enhancing MSMEs Access to the Internet Economy was also held in Vietnam.
- The SMEWG Strategic Plan (2017-2020) was also launched in 2016 which has “Entrepreneurship, innovation, and the internet and digital economy” as one of its priority areas.



II. APEC-wide Initiatives on Integrating (M)SMEs into GVCs through the Digital Platform

- Members of the SMEWG are implementing the Digital Economy Action Plan and Work Agenda (DEAP)
- Capacity-building activities organized by individual Member Economies as well as an MSME Sub-Fund can likewise be accessed by MSMEs
- APEC has partnered with the private sector to help MSMEs in tapping the global markets; SMEWG as the lead agency in promoting the development of SMEs while the ECSG is tasked to aid Economies in effectively utilizing ICTs for growth



Focus would now turn to the APEC MSME Marketplace...

APEC MSME MARKETPLACE

**Pillar 1: Facilitating
Business
Networking and
Matching involving
MSMEs**

**Pillar 2: Enhancing
MSME Awareness
and Feedback on
Trade Regulations**

**Pillar 3: Improving
Mechanism for
Knowledge Sharing
on Trade
Facilitation,
Business Support,
Partnership and
Capacity Building
Activities for
MSMEs**

Pillar 1

From April 2016, Member Economies may voluntarily submit annually information on the following:

- 1.1) TPO/Export Agency in Economy;**
- 1.2) Government Online Marketplaces in economy;**
- 1.3) Privately-run Online Marketplaces in economy;**
- 1.4) Resources on being a Supplier to a Large Enterprise in economy; and**
- 1.5) MSME Exporters in economy.**



Q: What are the opportunities and challenges faced by (M)SMEs



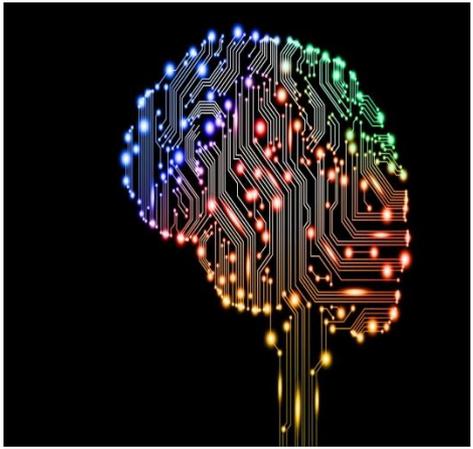
Wider cross-border networks



Promotes inclusion



Cheaper market intelligence



Creation of novel products and services



Increased efficiency



Challenges include...



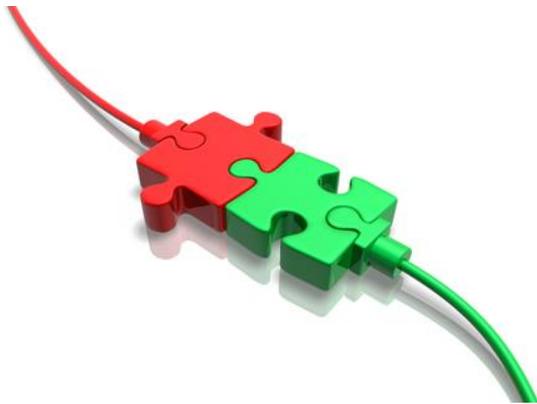
Slow adoption of ICTs



Lack of access to ICTs and ICT-related skills



Cyber-security concerns



Absence of electronic platform/s



Job loss and local displacement



Not conducive policy environment

IV. Best Practice(s) in Promoting B2B E-Commerce in Asia-Pacific

- A globally recognized exemplar in maximizing the benefits of e-commerce is China's private sector-driven Alibaba Group. The company's global B2B platform currently hosts 1 million domestic suppliers and over 100 million overseas buyers (Tong, 2016).



Source: Frank Tong, "Alibaba's annual web sales easily surpass U.S. e-retail sales," *Internet Retailer*, May 5 2016, Thursday, <https://www.internetretailer.com/2016/05/05/alibabas-annual-web-sales-easily-surpass-us-e-retail-sales> (accessed 18 May 2016).

IV. Best Practice(s) in Promoting B2B E-Commerce in Asia-Pacific

- Tan et al. (2009) writes that Alibaba sought to become China's 'de facto' B2B platform by focusing on meeting the untapped, exclusive needs of SMEs. Some of the unique services provided by the company during its early years include an instant messaging mechanism to enable parties to haggle over prices (Wangwang), a third-party online payment system (Alipay), and collating, organizing and publishing relevant information about their members and products to boost search functionality.
- Services offered by Alibaba.com to domestic SMEs were initially free of charge. Chinese suppliers can likewise apply for loans for cross-border activities and are given credit ratings through the Trust Pass Membership.

Source: Barney Tan and others, "Leveraging Digital Business Ecosystems for Enterprise Agility: The Tri-Logic Development Strategy of Alibaba.com," *ICSI 2009 Proceedings* (2009), Paper 171. Available from <http://aisel.aisnet.org/icis2009/171>



IV. Best Practice(s) in Promoting B2B E-Commerce in Asia-Pacific

- Tan et al. (2009) notes that Alibaba's development of a digital business ecosystem (DBE) has three phases:

**Phase 1: Establishing
Centrality and
Attaining Critical Mass**

**Served as Service
Provider**

**Implemented a Hub-
and-Spoke Ecosystem**

**Had Sense-and-
Respond Agility**

**Phase 2: Nurturing
Internal Networks and
Fortifying Ecosystem
Boundaries**

**Served as Platform
Provider**

**Had a Networked
Ecosystem**

**Possessed Ecosystem
Development**

**Phase 3: Fostering
Symbiotism**

**Served as Utility
Computing Service
Provider**

**Has a Symbiotic
Ecosystem**

Has Collective Agility

Source: Barney Tan and others, "Leveraging Digital Business Ecosystems for Enterprise Agility: The Tri-Logic Development Strategy of Alibaba.com," *ICSI 2009 Proceedings* (2009), Paper 171. Available from <http://aisel.aisnet.org/icis2009/171>

V. Pathways to Operationalizing the APEC MSME Marketplace: A Focus on Pillar 1

On functionality:

- Current: APEC MSME Marketplace is in Phase 1; structured as 'yellow-pages' type of directory under Pillar 1
- Pathway/s: Assess the option of moving towards developing a more comprehensive electronic platform supported by a robust online ecosystem – however, discussions should be held regarding operational costs, identification of a service provider, and feedback from privately-run e-marketplaces; Review the APEC Global B2B Interoperability Project and assess the possibility of applying its general principles and model; Account for the proliferation of mobile commerce (m-commerce)



V. Pathways to Operationalizing the APEC MSME Marketplace: A Focus on Pillar 1

On increased participation of Member Economies:

- Current: Voluntary submission of information
- Pathway/s: Promotion of APEC MSME Marketplace within their domestic sphere (e.g., publishing links of the Marketplace page in their national government portal); Ease customs and border procedures for the offline delivery of goods and services ordered online

On the role of the private sector:

- Current: Focuses more on Pillar 3 or capacity-building activities for MSMEs; Firms operate their own online marketplaces
- Pathway/s: Encourage leading companies in the ICT industry (e.g., Alibaba, e-Bay, Amazon) to play a substantial role in the development of the APEC MSME Marketplace; Organize RTDs involving the big players and include in the agenda the creation of agreed standards, qualifications, and regulations for cross-border e-commerce; ABAC is crucial in this endeavor; Craft incentives (?)

V. Pathways to Operationalizing the APEC MSME Marketplace: A Focus on Pillar 1

On engagement of MSMEs:

- Current: Low level of participation because of lack of information, digital divide, misconceptions about e-commerce, and cyber-security concerns
- Pathway/s: Widen and initiate 'roadshows' and information awareness campaigns on the APEC MSME Marketplace in individual Member Economies with MSMEs as the target audience (Regional); Enhance broadband connectivity in each nation and capacitate MSMEs through CBET and other efforts (National); Emphasize the potential of B2B e-commerce to businesses; Highlight 'winners' and MSME innovators (Rogers' Innovation Diffusion Theory); Utilize social media and encourage the youth (i.e., startups) to capitalize on the perks of the digital economy



V. Pathways to Operationalizing the APEC MSME Marketplace: A Focus on Pillar 1

On expanding its scope beyond APAC region:

- Current: The Marketplace covers the Asia-Pacific region
- Pathway/s: Consider establishing linkages with players and institutions already hosting (and aiming to host) electronic marketplaces (i.e., World SME Forum, European e-marketplaces, ASEAN online marketplaces, North American e-marketplaces)



Final thoughts

- **The advent of the digital economy, especially the rise of e-commerce, globally results in ‘creative destruction’ and causes disruptions which revolutionize the way individuals and enterprises conduct business transactions and processes. MSMEs do not have immunity from such phenomenon hence they must undertake radical changes and adapt with the ever-changing environment.**
- **MSMEs should view e-commerce as the great equalizer in regard to competing with large enterprises. However, the former must continuously innovate and foster enterprise agility to effectively utilize the existing and emerging ICTs. Digital literacy is a vital skill in the 21st Century setting.**
- **Governments, the private sector, and regional institutions will have a critical role in the successful integration of MSMEs into the GVCs through the digital platform. The APEC MSME Marketplace is a good starting point.**



Thank you!

FSI Philippines

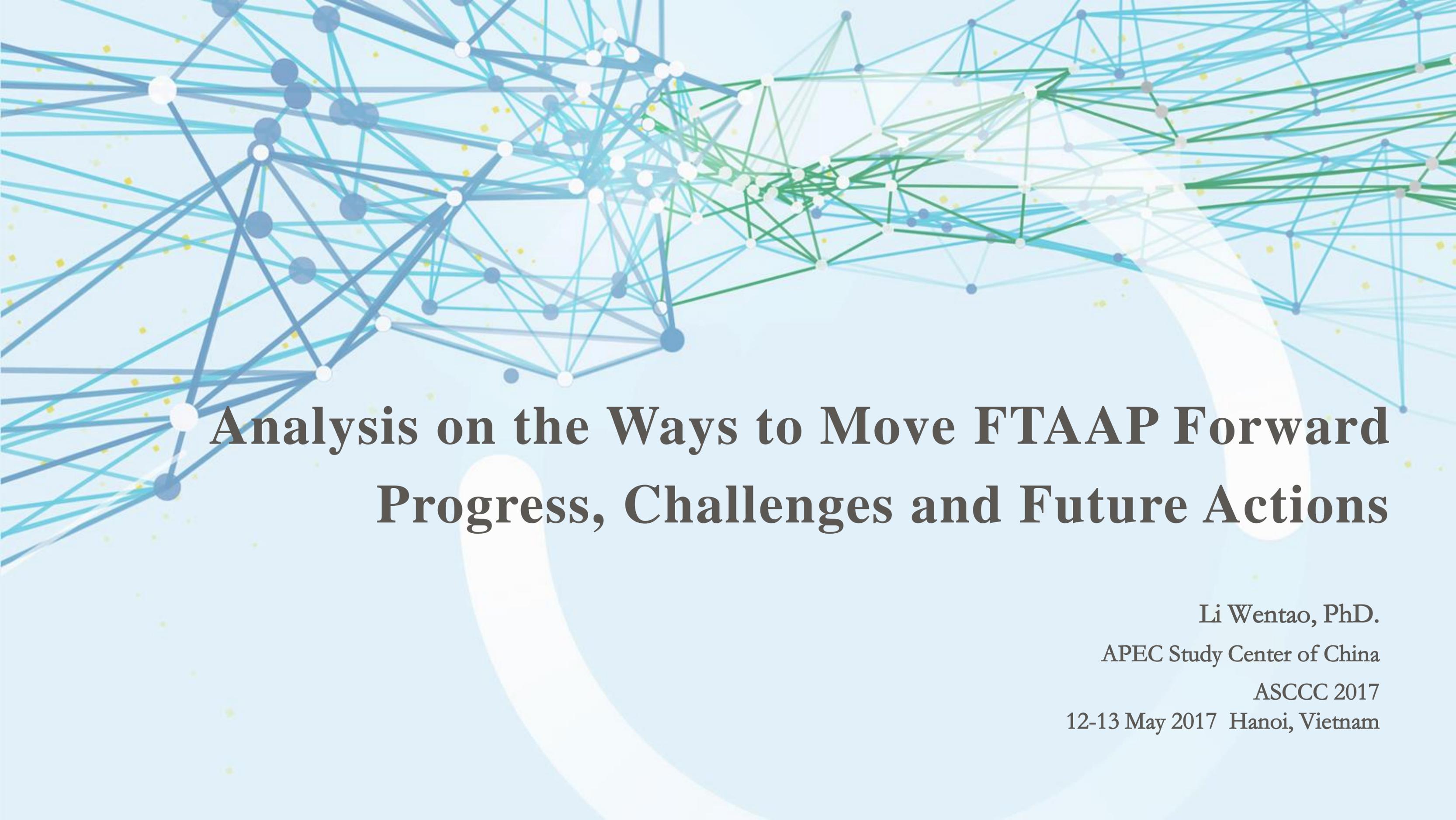
@FSIPhilippines

www.fsi.gov.ph

Foreign Service Institute
Department of Foreign Affairs

Center for International Relations and Strategic Studies



A complex network diagram with numerous nodes and connecting lines, rendered in shades of blue and green. The nodes are represented by small circles, some solid and some hollow, connected by thin lines. The overall structure is dense and interconnected, set against a light blue background with faint circular patterns and scattered yellow dots.

Analysis on the Ways to Move FTAAP Forward

Progress, Challenges and Future Actions

Li Wentao, PhD.

APEC Study Center of China

ASCCC 2017

12-13 May 2017 Hanoi, Vietnam



CONTENTS

- *I: APEC's Progress in Advancing FTAAP*
- *II: Barriers Currently Impeding the Realization of FTAAP*
- *IV: Policy Recommendations and Future Action Plans*



I.

PROGRESS IN ADVANCING FTAAP



■ **BACKGROUND OF FTAAP INITIATIVE**

- **Bogor Goals**

Bogor Goals will soon expire in 2020 and APEC need a new Post-2020 Vision

- **RTAs/FTAs**

The proliferation of RTAs/FTAs has resulted in a “spaghetti bowl” effect

- **Next Generation Issues**

Next generation trade and investment issues become vital concerns to each economy

- **Mega-RTAs**

Inevitable trend of division and fragmentation within Asia-Pacific region

■ PROGRESS IN ADVANCING FTAAP

FTAAP Initiative

ABAC
2004

Beijing Roadmap

AELM
2014

Accomplish and
Approve the CSS
Decision on the
following Actions

AELM
2016



2010

AELM

Pathways to
FTAAP

2015

FoTC on FTAAP

Collective Strategic
Study (CSS):
Division & Launching

STRUCTURE AND DIVISION OF THE CSS REPORT

NO.	Chapter Title	Lead Economies
1	Overview: Introducing the background, objectives, structure, chapters and methodology of the CSS	China, United States
2	Review of APEC Regional Economy	Australia
3	Next Generation Trade and Investment Issues	Japan
4	Measures Affecting Trade and Investment	New Zealand, Australia, Chile, Singapore
5	Stock take of existing RTAs/FTAs in the Asia-Pacific: examining their convergences and divergences	United States
6	Stocktaking of Previous Initiatives and Outcomes of APEC in Contributing to the Realization of the FTAAP	China
7	Update of Other Analytical Work	Korea
8	Ongoing Regional Undertakings	Canada, Peru
9	Challenges and Opportunities Ahead	China, United States
	Attachment: Review of Existing Relevant Literature on the FTAAP	

LIMA DECLARATION ON FTAAP (1)

No.	CHAPTER TITLE	MAIN CONTENTS
1	Goals and Principles	<ul style="list-style-type: none">● Advance the process in a comprehensive and systematic manner towards the eventual realization of the FTAAP;● The FTAAP will be realized outside of APEC, parallel with the APEC process;● The eventual FTAAP should do more than achieve liberalization in its narrow sense; it should be high quality and comprehensive, and incorporate and address ‘next generation’ trade and investment issues;● APEC has a critical role to play in shaping and nurturing regional economic integration and encourages unilateral economic reforms and the conclusion of comprehensive and high quality RTAs/FTAs.
2	Completing and Enhancing the Possible Pathways	<ul style="list-style-type: none">● FTAAP should be built upon ongoing regional undertakings, and through possible pathways including the TPP and RCEP. They should remain open, transparent and inclusive and draw on each other;● Encourage the progress of the FTAAP pathways to be reported to APEC under the Information Sharing Mechanism;● APEC economies will examine, by no later than 2020, the contribution of current Pathways to the realization of the FTAAP.

Lima Declaration on FTAAP (2)

No.	CHAPTER TITLE	MAIN CONTENTS
3	Continuing APEC's Role as an Incubator and Strengthening Existing APEC Initiatives that support FTAAP Objectives	<ul style="list-style-type: none"> ● APEC plays a key role as an incubator of issues related to the FTAAP by providing leadership, intellectual inputs and capacity building; ● Continue to identify and address next generation trade and investment issues and advance new initiatives for achieving an eventual FTAAP; ● Advance Structural Reform with a view toward improving the business environment; ● Improve trade facilitation.
4	New Initiatives to Advance Regional Economic Integration	<ul style="list-style-type: none"> ● Focus on <u>bridging the gaps among APEC economies</u>; ● Focus work to <u>address areas of divergence and convergence in RTA/FTA practices</u> and to implement capacity building programs; ● Undertake a <u>stock take as to how next generation trade and investment issues</u> are dealt with in existing FTAs/RTAs and to develop dedicated initiatives to close the gaps between different treatment which should be included in each APEC forum's work plan from 2018; ● Embark on <u>work programs to build consensus and capacity for economies</u> in the following areas <u>including tariffs, NTMs, services, investment, Rules of Origin (ROO)</u>; ● Addressing the recommendations through CTI and its sub-fora, <u>and encourage participation of the private sector and other stakeholders</u> including through Trade Policy Dialogues.
5	Strengthening Consultation with Stakeholders	<ul style="list-style-type: none"> ● Increase engagement with stakeholders, including ABAC and PECC
6	Reporting on Progress	<ul style="list-style-type: none"> ● Report back to Leaders on progress in 2018 and 2020.

A complex network diagram with numerous nodes and connecting lines in shades of blue and green, set against a light blue background with faint yellow dots. The lines form a dense web that tapers towards the right side of the image.

II.

BARRIERS CURRENTLY IMPEDING THE REALIZATION OF FTAAP



■ *FUTURE CHALLENGES AND IMPEDIMENTS*

Realization of
FTAAP

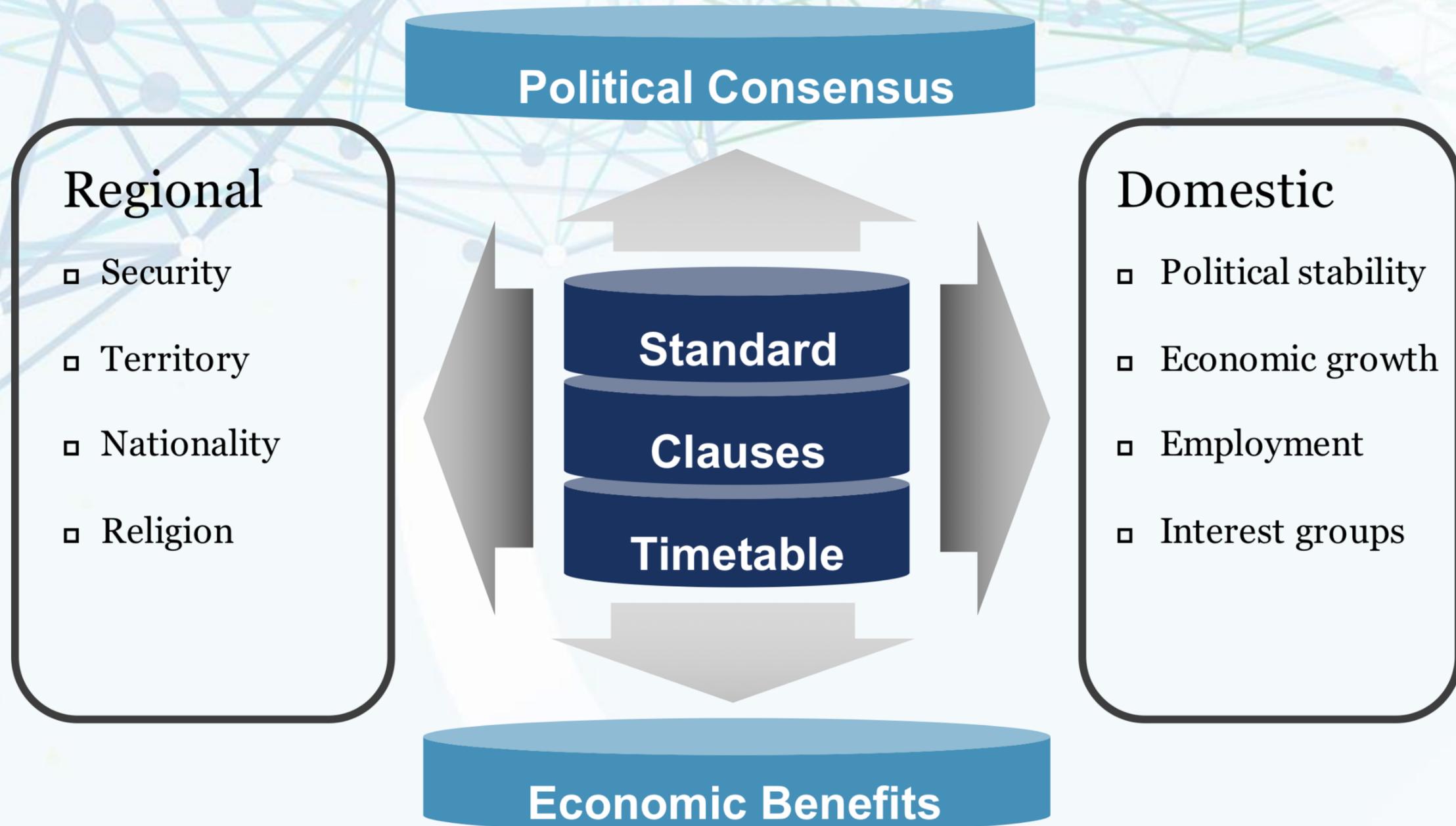
Political Will among APEC Members

Huge Gap of Economic Development

Resistance from Domestic Interest Groups

The Lockout of TPP Negotiation

■ CHALLENGES: POLITICAL WILL AMONG APEC CORE MEMBERS



■ *CHALLENGES: HUGE GAP OF ECONOMIC DEVELOPMENT*

Developed Members

- Trade in Services
- Behind the Border
- Outward Investment
- Private Enterprises

Developing Members

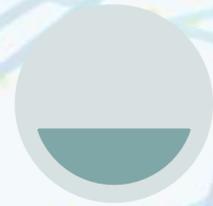
- Trade in Goods
- On the Border
- Inward Investment
- Government Agencies

CHALLENGES: RESISTANCE FROM DOMESTIC INTEREST GROUPS



Benefit Compensation Mechanism

■ *CHALLENGES: THE LOCKOUT OF TPP NEGOTIATION*



SHORT-TERM

The United States will not provide the substantial support to FTAAP. Other TPP parties will consider the possibility of TPP-1, rather than FTAAP.



MEDIUM-TERM

TPP parties will strive to squeeze the substantive contents of TPP agreement into FTAAP framework or its pathways.



LONG-TERM

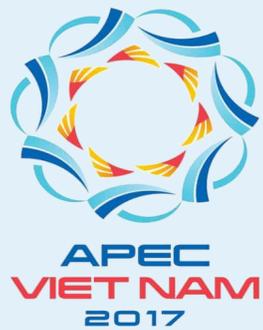
The resurgence of TPP negotiation is a very real possibility. TPP parties will advance the eventual realization of an FTAAP on the basis of TPP+X model.

A complex network diagram with numerous nodes and connecting lines in shades of blue and green, set against a light blue background with faint yellow dots. The network is dense and interconnected, with some nodes highlighted in white.

III.

POLICY RECOMMENDATIONS AND FUTURE ACTION PLANS

ABAC



■ **FUNDAMENTAL PRINCIPLES OF FUTURE FTAAP**

- ◆ Emphasizing the convergence between FTAAP and WTO multi-lateral rules;
- ◆ Including all Asia-Pacific economies, not limited to APEC members;
- ◆ Ensuring the comprehensive coverage and high-quality level of liberalization;
- ◆ Addressing the sensitive and next generation issues in the future negotiation;
- ◆ Encouraging the proper capacity building to APEC developing economies;
- ◆ Complying with the trend of Global Value Chains (GVAs) cooperation.

■ POLICY RECOMMENDATIONS AND FUTURE ACTIONS

- To adopt FTAAP as the vehicle to achieve the APEC's Post 2020 Vision;
- To upgrade the FoTC into a standing institution to monitor and advance the future progress;
- To establish the Benefit-Compensation Mechanism between the domestic interest groups, such as Trade Adjustment Action (TAA);
- To facilitate the coordination among APEC core economies through “1.5 track”;
- To urge the RCEP parties to accelerate towards the completion of the negotiations by the end of 2017 as the first step of the eventual realization of FTAAP.

A complex network graph with nodes and edges in various shades of blue and green, set against a light blue background with abstract white and yellow shapes.

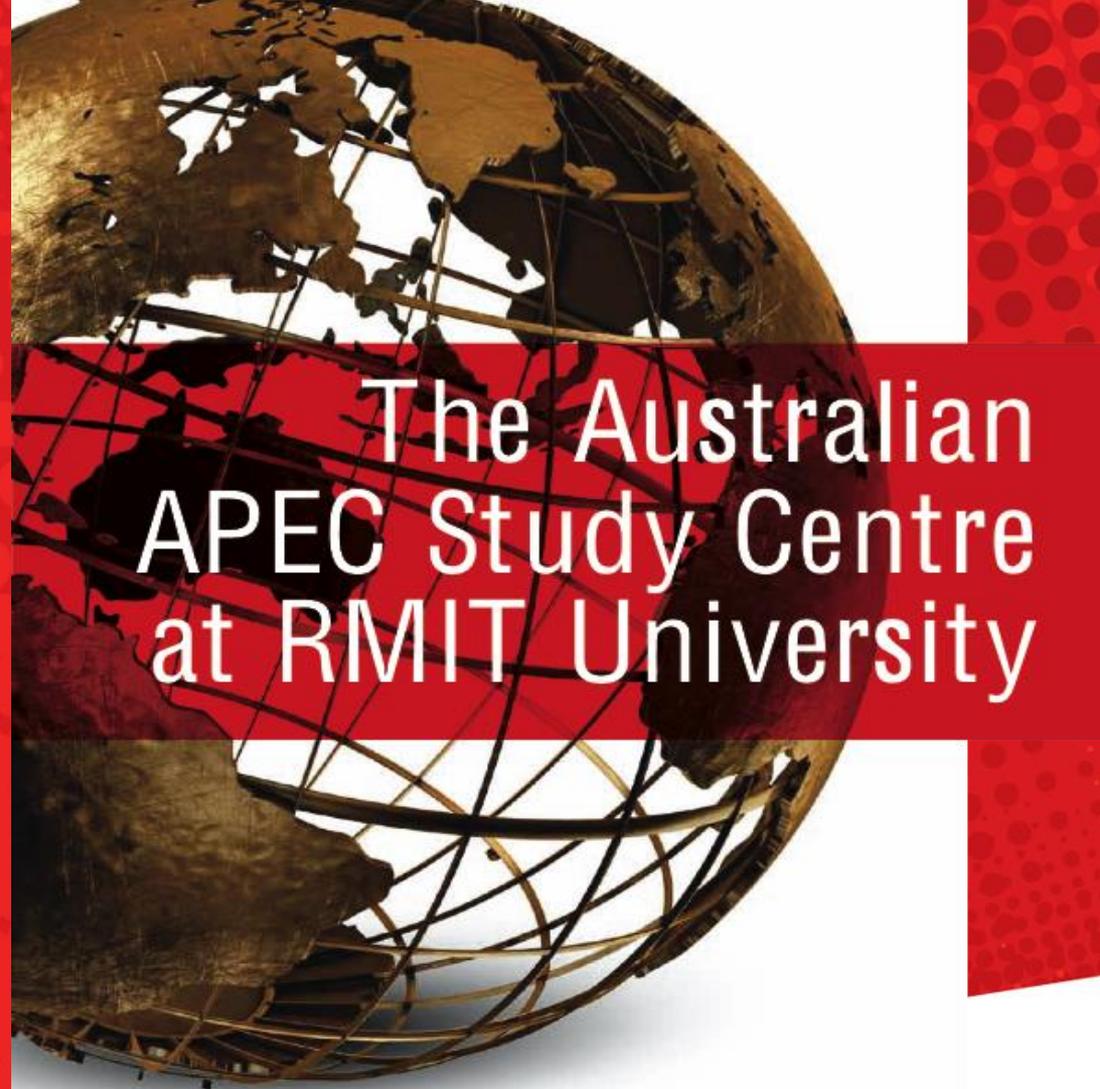
THANK YOU

Li Wentao, PhD.

liwentao@nankai.edu.cn

Drawing on the prospective benefits in the TPP

Alan Oxley
Centre Chair
12 May 2017



The Australian APEC Study Centre at RMIT University

RELATIVE IMPORTANCE OF TPP

Key success criteria	FTAAP	RCEP	EA FTA	TPP
Common desire for economic growth	+	+	+	+
Acceptance of binding economic governance	-	-	?	+
Concern for regulatory reform	-	-	?	+
Economic confidence	-	-	+	+
Strong trade and investment patterns	+	+	+	+
Leadership by major economies	+?	-	+?	++++
Belief in tangible benefits	+	?	?	+
Optimum economic gain	-	-	-	-

TPP – US STANDS ASIDE

Key success criteria	FTAAP	RCEP	EA FTA	TPP
Common desire for economic growth	+	+	+	+
Acceptance of binding economic governance	-	-	?	+
Concern for regulatory reform	-	-	?	+
Economic confidence	-	-	+	+
Strong trade and investment patterns	+	+	+	+
Leadership by major economies	+?	-	+?	??
Belief in tangible benefits	+	?	?	+
Optimum economic gain	-	-	-	-

KEY TPP OFFERINGS

- More binding commitments on services than many parties had previously adopted.
- Increased access to agricultural markets of others for some parties.'
- Larger investment flows.
- Encouragement of competition.
- A foundation for the APEC aspiration of an FTA among all APEC economies
- Many economies outside the TPP expressed interest in joining.

POLICY OPTIONS FOR NON-US TPP - 1

- *Implement the TPP without the US?*
- *Wait until conclusion of the revision of NAFTA?*

POLICY OPTIONS FOR NON-US TPP - 2

Build more of the TPP content into RCEP negotiations? - Problematic

- Commitments on services in the TPP go past what key parties in RCEP have been willing to consider.
- Compliance requirements in RCEP are effectively voluntary, but binding in the TPP text
- Services and investment are not addressed in RCEP to the extent they are in the TPP

BUT ANYWAY CONCLUDE RCEP

- Like the TPP, the RCEP was clearly going to serve as a foundation in the longer run for the FTAAP agreement.

OPTIONS? PARTIES UNILATERALLY ADOPT KEY TPP MEASURES

TPP parties have already factored in the policy impacts and implications for domestic policy as something they are prepared to manage.

And assessed how they will manage the impact on domestic markets which will generate domestic economic benefits for the economy at large.

There are clear gains on offer from opening services markets and encouraging foreign investment

These can be adopted unilaterally

Goods and Services Market Integration among Asia Pacific Countries

Seongman Moon

Chonbuk National University

May 12, 2017

Main objective

- We study how much goods and services markets are integrated among Asia pacific countries using consumer goods price data

Meaning of market integration

- declines in natural trade barriers: improvements in transportation
- declines in political trade barriers: various bilateral, multilateral, regional, world-wide trade agreements-Globalization
- declines in market power
- etc

Two approaches in measuring market integration

- 1. Collect direct evidence on the magnitude of barriers between national markets: transportation costs, tariffs, non-tariff barriers, etc
 - limitations: non-tariff barriers are hard to be quantified as a cost of moving goods; the measures omit the cost of prohibitive barriers.
- 2. **Examine equilibrium outcomes**: price equalization for a good would suggest that trade barriers for that good have been eliminated. (**low of one price or purchasing power parity**)
 - limitations: do not link equilibrium outcomes back to barriers.
- 3. We use the second approach: We use consumer price indices for APEC member countries to examine the degree of market integration

Purchasing Power Parity (PPP)

- $P * S = P^*$ where S is the price of domestic currency in terms of foreign currency and P (P^*) is the price of domestic (foreign) goods in terms of domestic (foreign) currency
- Once converted to a common currency, national price levels should be equal at the equilibrium.
- In equilibrium, nominal exchange rate is determined such that both home and foreign currencies can have the same purchasing power ($1/P^* = 1/(P * S)$).
- This parity is a starting point to examine market integration: the effectiveness of international goods market arbitrage depends on the degree of market integration.

Two questions about Purchasing Power Parity

- It is natural that PPP does not hold continuously due to various trade barriers.
- So, researchers ask
 - 1) if PPP holds in the long-run;
 - 2) if so, how quickly a deviation from PPP damps out.

Purchasing Power Parity Puzzle

- Previous studies (Frankel and Rose (1996), Rogoff (1996), Ceechetti et al. (2002), Mayoral and Gadea (2011), *etc*) reported the following evidence:
 - Real exchange rates converge to their long-run value (based on panel unit root tests).
 - But the speed of convergence is very slow: a deviation tends to damp out at a rate of 15% per year. (a half-life for a deviation is about 4 years)
 - Short-run deviations (real exchange rates) are large and very volatile.
- PPP puzzle: neither monetary shock nor real shock can explain both persistence and volatility of real exchange rates simultaneously.
- This slow convergence has been considered as evidence for weaker national market integration.

Reasons for deviations from PPP

- International trade barriers such as tariffs and non-tariff barriers.
- Transportation costs
- Presence of non-traded goods in the aggregate price index
- Influence of flexible exchange rates
- Incomplete price level adjustment due to price stickiness

- We ask
 - 1)if PPP holds in the long-run among APEC member countries;
 - 2)if so, how quickly a deviation from PPP damps out among APEC member countries.

- Consumer price indices and exchange rates are obtained from International Financial Statistics.
- We consider the US as the base country and construct each country's real exchange rate against the US.
- Our sample includes 17 APEC member countries' real exchange rates against the US from 1971:Q1-2015Q3.
- Data frequency is quarterly.

- Let $q_{it} = \ln(P_t * S_t / P_{it}^*)$ be the logarithm of the real exchange rate at time t (the price of domestic good in terms of country i 's good).
- Pesaran (2007)'s specification of the dynamic linear heterogenous panel data:



$$\Delta q_{it} = \beta_i q_{it-1} + \alpha_i + \gamma_i f_t + \varepsilon_{it}$$

- where β_i governs the speed of convergence to the long-run value. The half-life of a shock to q_{it} is calculated as $-\ln(2) / \ln(1 + \beta_i)$.
- Null hypothesis- $H_0 : \beta_i = 0$, for all i
- Alternative- $H_a : \beta_i < 0$, for at least one i .
- We use Pesaran (2007)'s panel unit root test for the null hypothesis.

Empirical Method

- We consider two different sample periods.
 - the entire sample period of 1971-2015.
 - the sample period of 1995-2015.
- Why?
 - the latter sample period may reflect the influence of so-called globalization: lower tariff rates as well as lower non-tariff barriers
 - the latter sample may reflect the influence of advancement in transportation technology: lower transportation costs
 - The APEC was established in 1989.

Main Results

sample period	<i>CIPS</i>	mean of $\hat{\rho}_i$	bias corrected half-life (quarters)	lag	N
1971-2015	-2.41**	0.94	16.5	4	12
1995-2015	-2.65***	0.86	7.5	4	16
1990-2015	-2.40**	0.89	9.9	4	13

Main Results

- Using Pesaran's panel unit root test (CIPS), we strongly reject the unit root hypothesis that real exchange rates do not converge in the long run. (Consistent with previous studies)
- For the entire sample period, the speed of convergence is consistent with the previous studies (3-5 years)
- We also find that the speed of convergence has been faster during the last 20 years. This may suggest that goods and services markets among APEC member countries have been more integrated during the last 20 years.

Conclusion

- We study how much goods and services markets are integrated among Asia Pacific countries using consumer goods price data.
- We present a piece of evidence that goods and services markets have been more integrated during the last 20 years.

Have APEC economies reached economic convergence?

ROWELL GARCIA CASACLANG

Foreign Affairs Research Specialist

Foreign Service Institute

Philippines



Real per capita GDP 1980-2010



	1984	1989	1994	1999	2004	2009	2014	1980-2014 annual growth rate (%)
Brunei	122562	59668	49789	43553	53562	74632	72209	-1.2
Singapore	14419	16518	22966	31406	42545	60195	71776	5.6
USA	29525	34400	37209	42411	47592	50580	50773	1.7
Hong Kong	15888	20918	27679	33261	37417	46261	50105	3.9
Australia	22554	25414	27575	32738	37226	41361	43266	2.0
Taiwan	10747	15720	21910	29000	33612	37098	41622	4.6
Canada	25353	29145	30092	33968	38197	40913	41463	1.6
Japan	18838	21690	29414	33105	33541	34522	35017	1.8
South Korea	5604	8992	14475	20147	24871	29527	33428	5.6
New Zealand	17593	20079	21514	25619	28411	29983	32909	2.1
Russia	n.d.	n.d.	17184	9660	10937	17179	22884	1.2
Malaysia	7259	7266	9388	12428	13828	17859	21639	3.7
Chile	6518	6684	8670	11278	11307	15849	20721	3.5
Mexico	12047	10310	10587	10609	12244	14139	15417	1.1
Thailand	3428	4147	6020	7857	8014	10795	13861	4.4
China	1785	2317	2714	3661	4885	7625	10950	6.1
Peru	3894	3997	3646	4864	5258	7752	10495	3.2
Indonesia	2439	2720	3626	4441	3874	5261	8928	4.8
Philippines	3111	3009	3684	4481	4145	4552	6057	2.4
Vietnam	1009	1178	1423	1841	2356	3365	4833	5.0
Papua New Guinea	n.d.	n.d.	1329	1566	1475	1798	2503	4.5

σ -convergence



Among APEC economies

Year	1984	1989	1994	1999	2004	2009	2014
Σ	0.49	0.45	0.44	0.41	0.43	0.40	0.35

Among East Asian economies

Year	1984	1989	1994	1999	2004	2009	2014
Σ	0.54	0.48	0.47	0.45	0.46	0.45	0.39

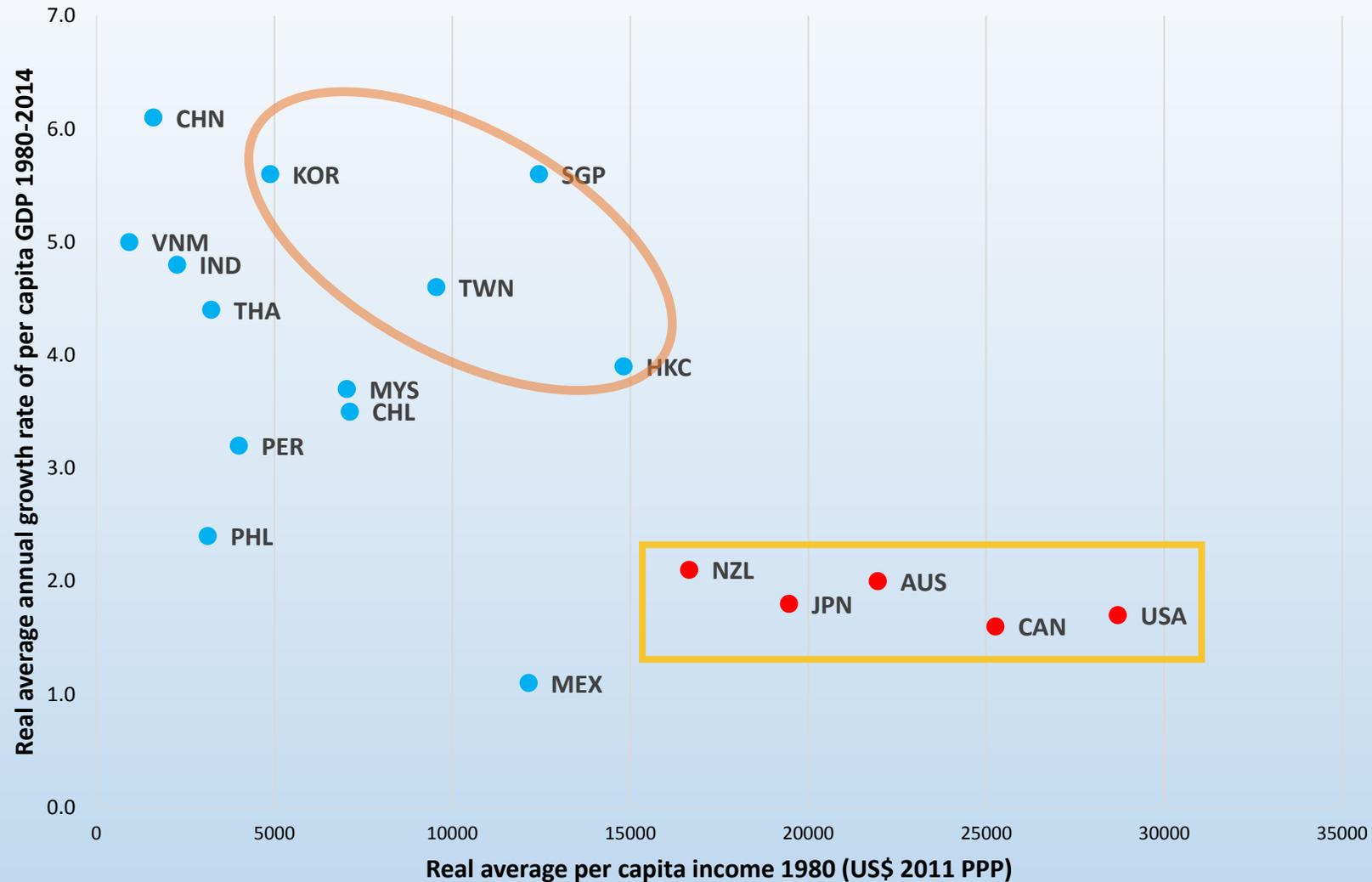
Among Asean economies

Year	1984	1989	1994	1999	2004	2009	2014
Σ	0.53	0.48	0.46	0.44	0.45	0.43	0.38

Absolute β -convergence



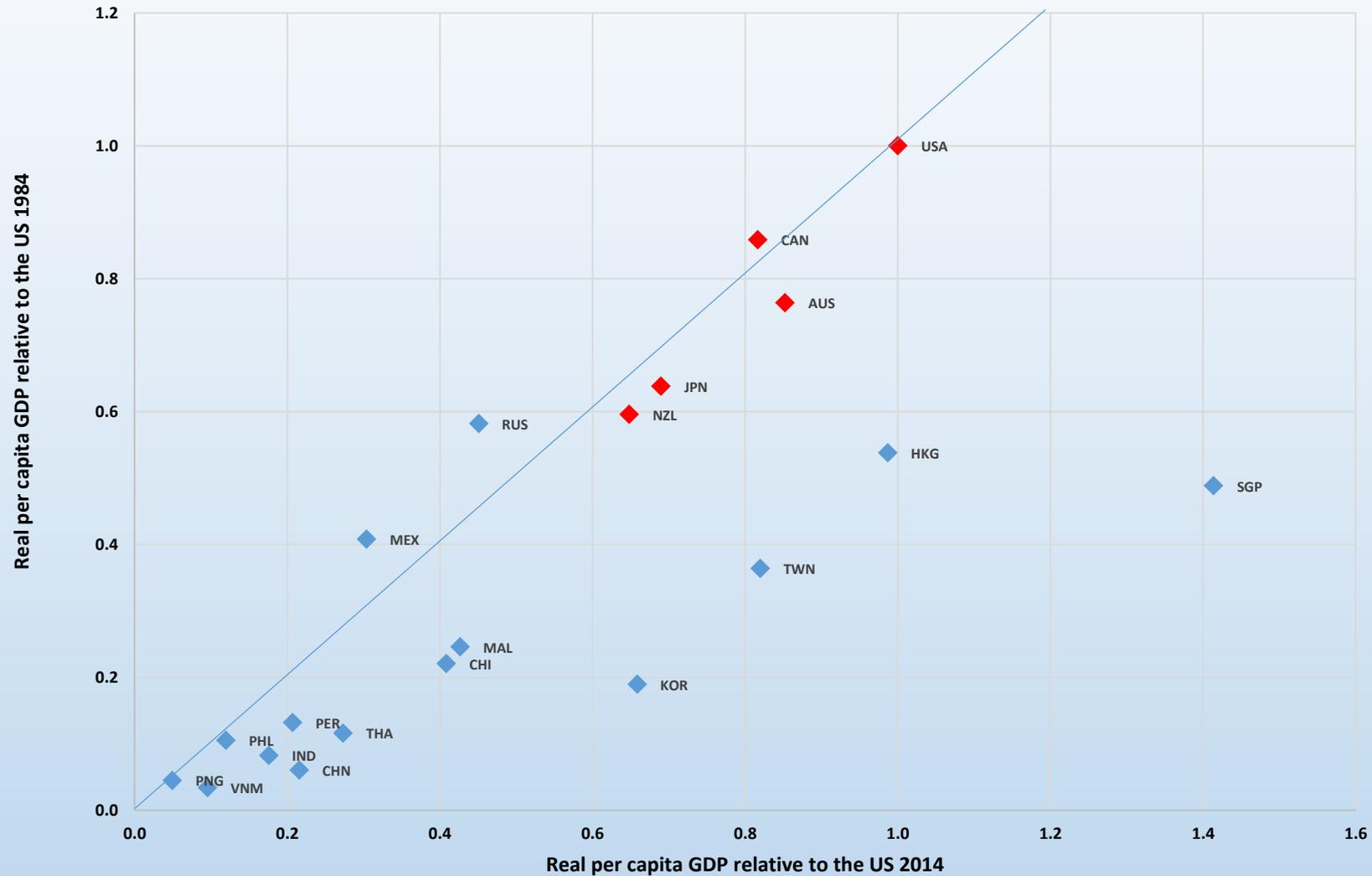
Convergence of APEC economies' per capita GDP, 1980-2014



Absolute β -convergence



Relative income levels of APEC economies, 1984 and 2014



Conditional β -convergence



Variable	OLS (1)	OLS (2)	GLS (3)	GLS (4)
GDP	-3.3776* (-3.780)	-4.4445* (4.720)	-3.3777* (-3.850)	-4.4444* (-4.890)
HCI	-0.2164 (-0.280)	-0.1815 (-0.240)	-0.2164 (-0.290)	-0.1815 (-0.250)
INV	0.0288* (3.110)	0.0382* (3.930)	0.0288* (3.170)	0.0382* (4.080)
POP	0.0586 (0.600)	0.1173 (1.220)	-0.0586 (0.610)	0.1173 (1.270)
AGR	—	0.0055 (0.640)	—	0.0055 (0.660)
GOV	—	-0.1257** (-1.690)	—	-0.0126** (-1.750)
CPI	—	-0.0084 (-1.550)	—	-0.0130 (-1.610)
OPEN	—	-0.0044 (-0.590)	—	-0.0044 (0.610)
R ²	0.1416	0.2146	—	—
df	137	130	137	130
β	15.6399* (2.9322)	20.7020* (6.050)	15.6399* (5.430)	20.7020* (5.430)

Notes: The dependent variable is the growth rate of real per capita GDP. The variables GDP and HCI are measured in levels at the beginning of each five-year period, while the other control variables are measured as averages over the intervals, except POP and CPI which are measured as the change over the intervals. All explanatory variables are lagged one period. R² for OLS is the adjusted R². Degrees of freedom are denoted by df. Figures in parentheses are t-statistics for two-tailed tests for OLS regression and F-statistics for GLS regression.

* statistically significant at the 1% level

** statistically significant at the 10% level

Thank you.



Progress on the Development of an APEC Labour Mobility Framework



Outline

The project

Objectives

Political and economic context

Progress

Way forward



Australian Government



The project

Development of a framework on regional cooperation on labour mobility to advance APEC's agenda on regional economic integration, connectivity, labour market efficiency and the integration of women in the economy.

Mission - to ensure that the region's economies are well prepared to adjust to evolving labour market needs for the mutual benefit of workers, business and APEC societies.



Australian Government



Meaning

Meaning: This framework covers all international mobile workers who have or are in the process of legally relocating to another economy for employment purposes irrespective of their level of skills.



Australian Government



Objectives

1. Guide policy approaches to cross-border movement of workers in line with domestic labour market needs and projections.
2. Enhance the contribution of labour mobility to economic growth through effective matching processes and recognition of qualifications and skills.



Australian Government



Objectives

3. Support efforts to create legal, safe and coordinated flow of workers across the region and improve their protection and integration in regional labour markets.

4. Improve the efficiency and adaptability of our labour markets to global structural changes through the development of flexible and proactive labour mobility policies.



Objectives

5. Strengthen APEC's competitiveness in attracting global talent.
6. Improve employment opportunities for the region's workforce and contribute to sustainable development.



Australian Government



Political context

APEC vision - bringing the region and its peoples together has been at the core of APEC's work since its formation over 25 years ago.

Seattle 1993 – APEC Leaders “envision[ed] a community of Asia Pacific economies in which our people share the benefits of economic growth through higher incomes, high skilled and high paying jobs and **increased mobility.**”



Australian Government



Political context

Connectivity Blueprint 2015 – 2025 - advancing regional integration through the movement of people, goods and services

APEC Ministers Responsible for Trade, 2015 – “We underline the importance of efficient and effective labour mobility that reduces unemployment and increases productivity”



Australian Government



Economic context

2017

The double jeopardy - demographic and technological changes

Demographic changes

Workforce contraction is expected to increase rapidly in the next 10 to 20 years in aged and ageing economies

projected labour surpluses in some developing economies



Economic context

2017

Rapid changes in technology

Growth in new occupations and rising skills

demand for new

Scenario

labour market imbalances (shortages and surpluses) and the implications for global growth

Intensify global competition for talent



Economic context

2017

The Boston Consulting Group, 2014 – the potential cost of these imbalances, particular shortfalls, to global GDP could be as high as \$USD 10 trillion.

ManpowerGroup Global Talent Survey 2016 - Over 40% of employers globally reported difficult in filling vacancies.



Australian Government



Why a labour mobility framework?

Labour mobility offers opportunities for labour market adaptability to structural changes

It boosts economic growth

It creates employment opportunities and capacities for economies to address labour shortages



Australian Government



Large remittance flows to developing economies have an important role in reducing poverty.

In 2015, global remittance flows exceeded US \$580 billion, with an estimated US \$430 billion flowing to developing economies



Australian Government



Labour mobility has a triple win effect, **but only if it is well managed.**

Some of the world's largest labour sending and receiving economies are in APEC.

Yet, as a region we have made marginal progress on developing a regional strategy on labour mobility.



Australian Government



Progress

2015 Boracay – Workshop

2015/16 – APEC Study Centre (Australia RMIT University)
baseline research

SOM 2, 2016 – proposal to develop the APEC LMF was endorsed by HRDWG

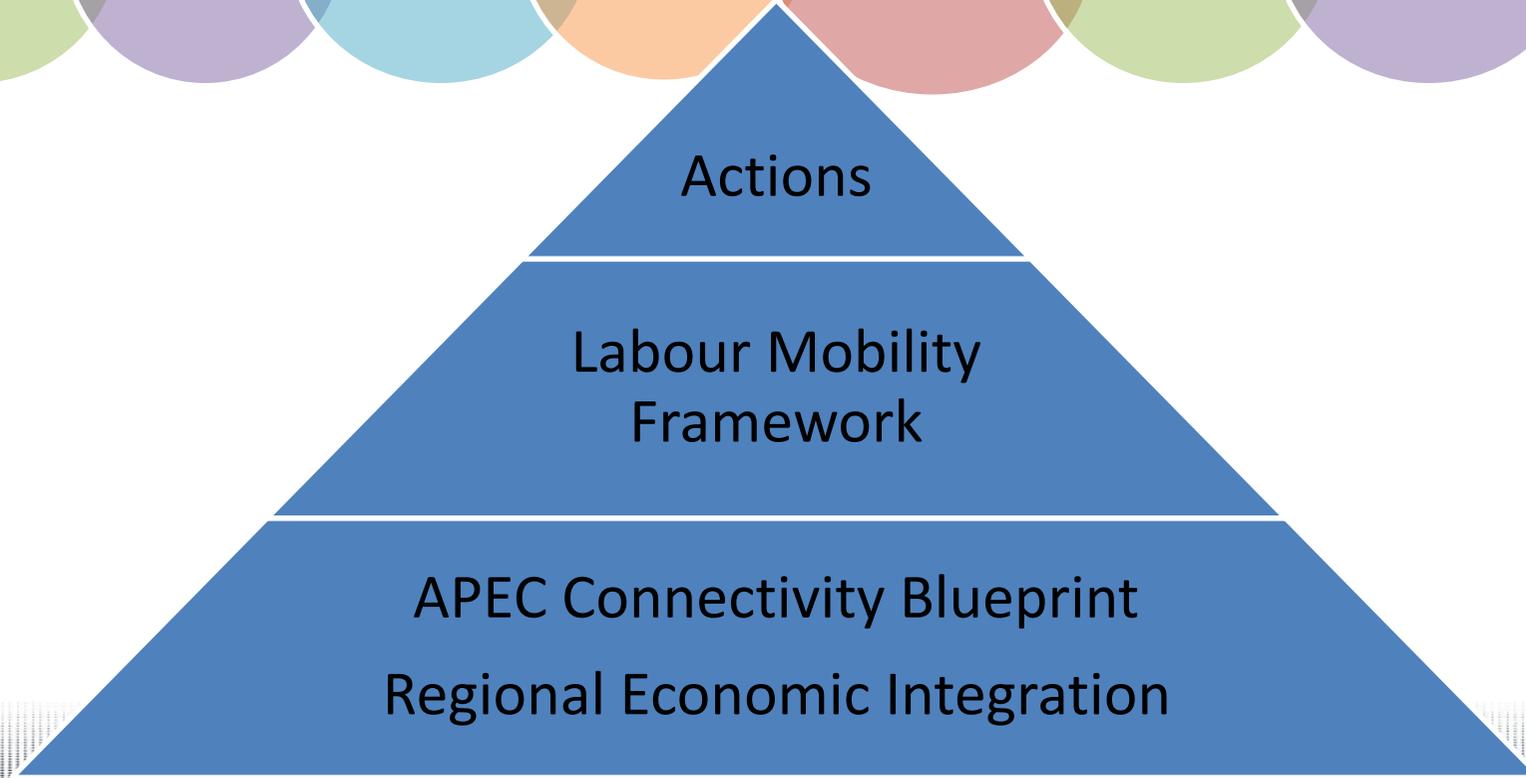
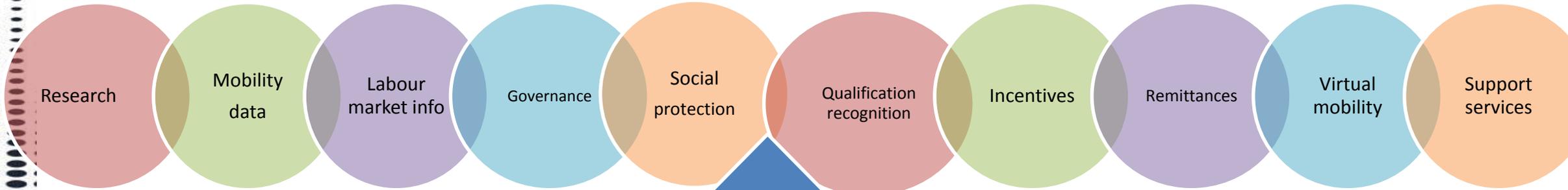
SOM3, 2016 - APEC Senior Officials noted the proposal and agreed to Australia coordinating a cross-fora project



Australian Government



Draft APEC Labour Mobility Framework



SOM 1, 2017 - Cross-fora workshop on the development of the APEC LMF

Cross-fora Advisory Team – seven participating economies

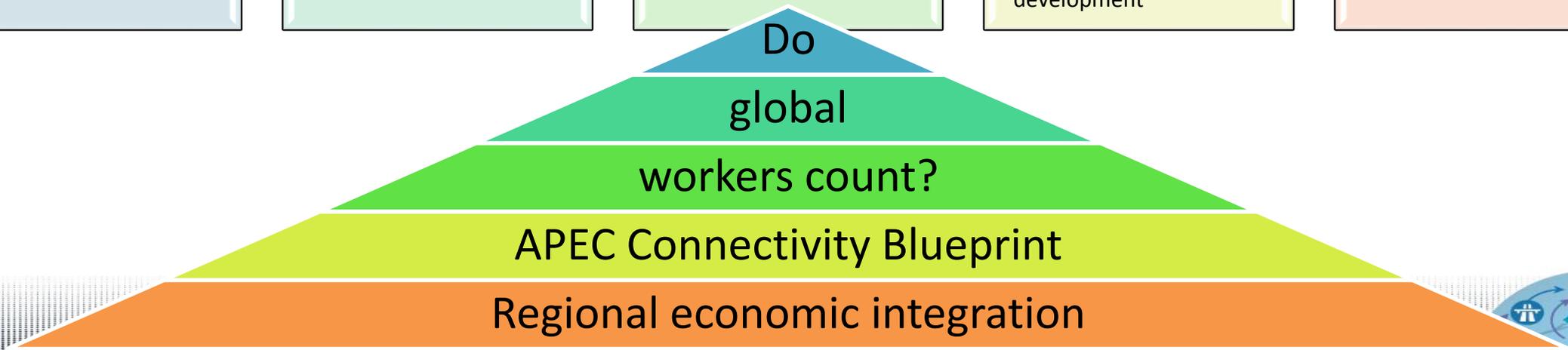
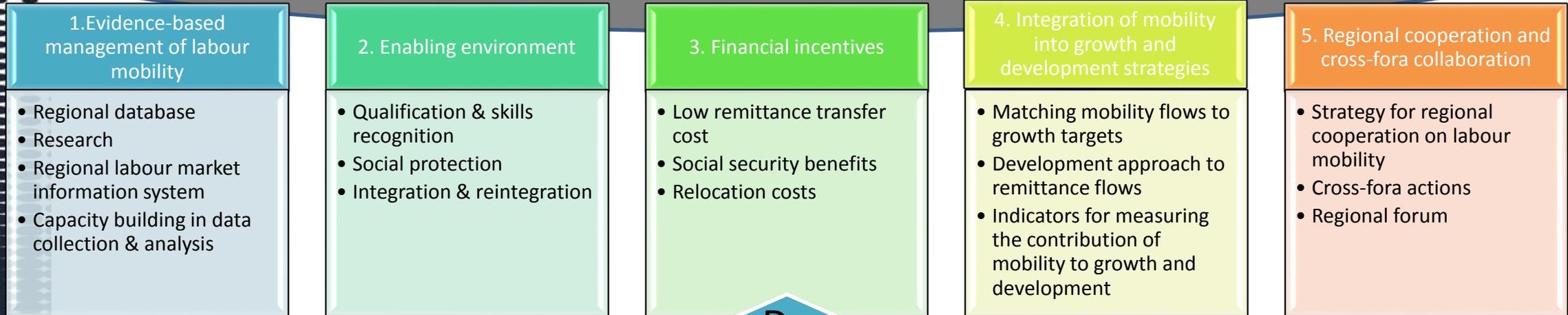
Draft ALMF annex to Leaders' Declaration
for consideration by Senior Officials in SOM3



Australian Government



APEC Labour Mobility Framework

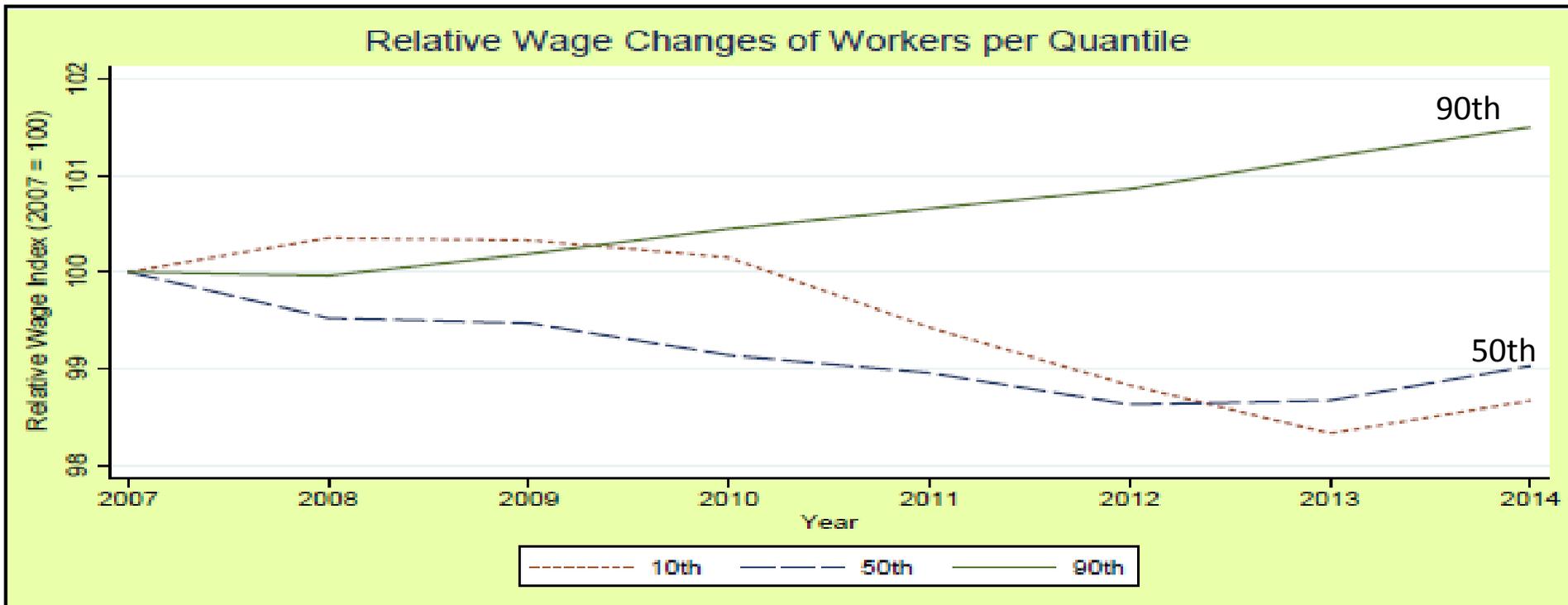


A Decomposition Analysis of Wage Inequality in the Philippines

Neriza Casas-Chow
Maria Fe Carmen Dabbay
Mariel Monica Sauler

School of Economics
De La Salle University

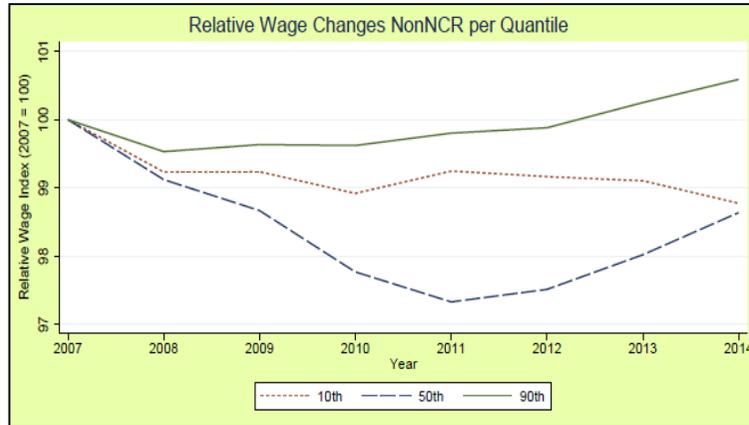
Philippines: Points to Consider



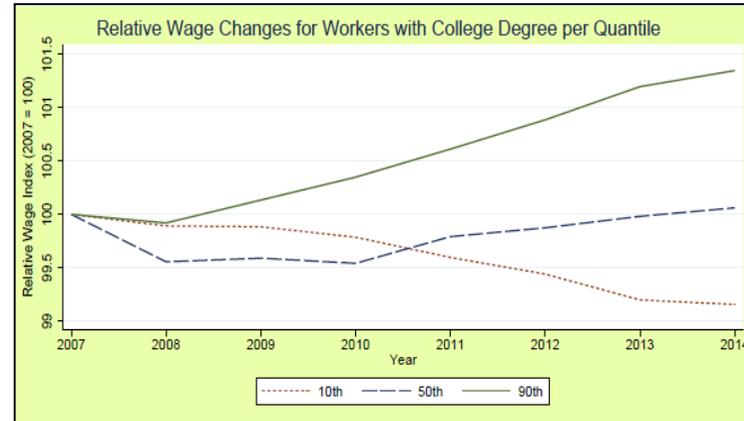
- Overall, 90-50 wage gap is increasing over the years.
- This trend is also notable for the 90-50 wage gaps by gender, education and region.

Philippines: Points to Consider

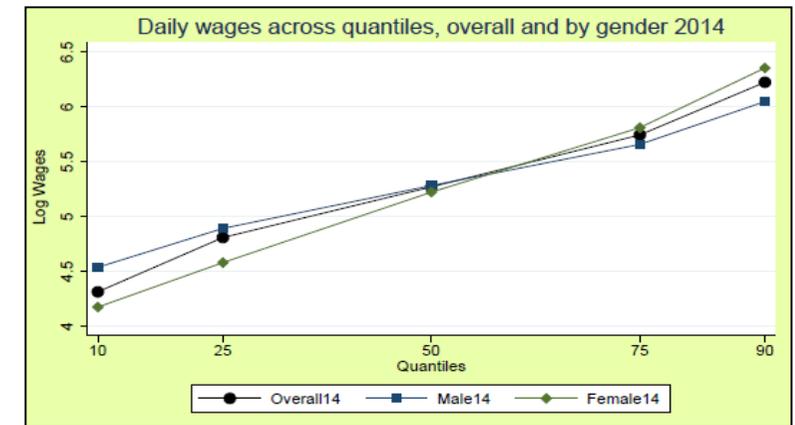
Region



Education



Gender



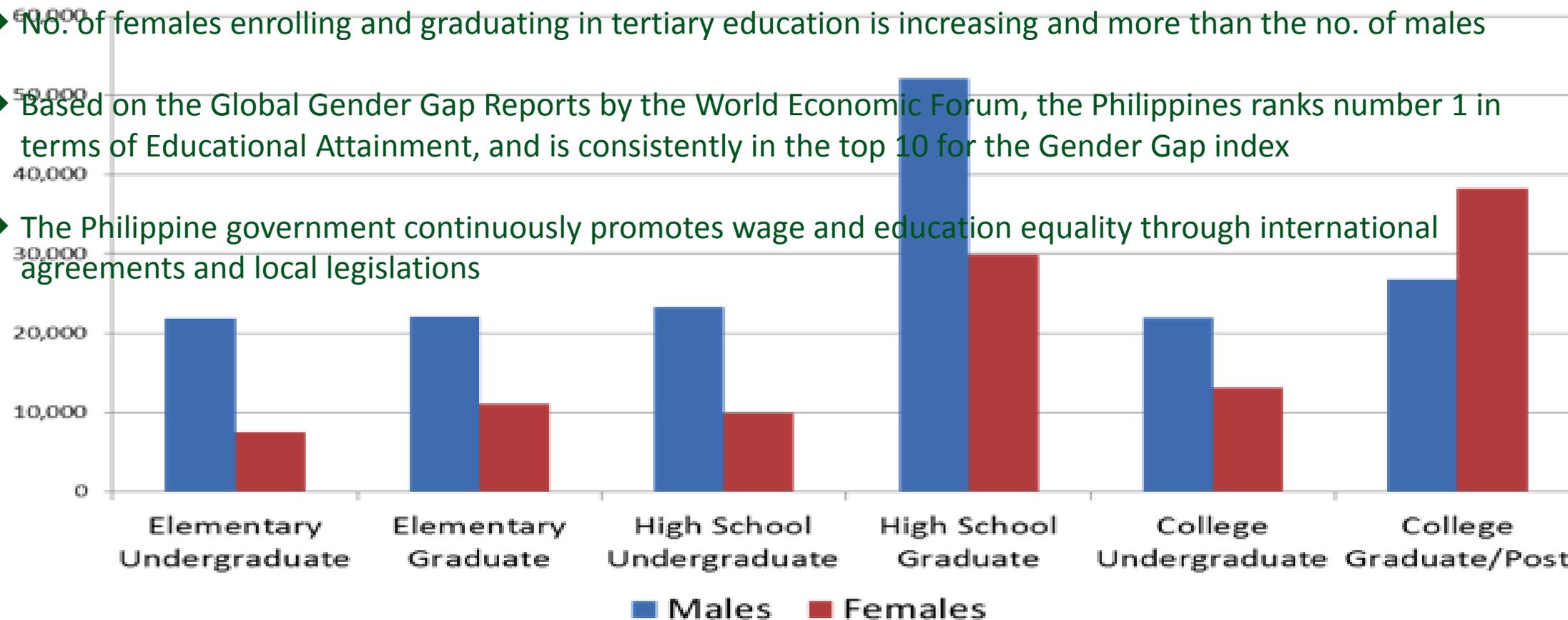
Looking at the percentiles in the upper half of the distribution, we observe that:

- 90-50 wage gaps among non-National Capital Region (non-NCR) workers and among college graduates increased
 - Females earn higher than males on a daily basis, with increasing gap among females.

Philippines: Points to Consider

Number of Males and Females by Educational Attainment, 2007 to 2014

- ◆ No. of females enrolling and graduating in tertiary education is increasing and more than the no. of males
- ◆ Based on the Global Gender Gap Reports by the World Economic Forum, the Philippines ranks number 1 in terms of Educational Attainment, and is consistently in the top 10 for the Gender Gap index
- ◆ The Philippine government continuously promotes wage and education equality through international agreements and local legislations



Objectives of the Study

- ◆ To assess wage inequality in the Philippines using the October rounds of the Labor Force Survey from 2007 to 2014
- ◆ To determine the role of education, gender, and regional factors in the changes in wage inequality

Related Literature and Previous Studies

◆ Wage inequality

- one of the most tackled issues in labor economics; it has gained more attention in recent years (Dacuycuy, 2006; Sakellariou, 2012)
- In the last two decades, studies on developing countries have also emerged, including ASEAN countries, China, and India (Fofack and Zeufack, 1999; Roslan, 2001; Le and Booth, 2010; Wah, 2012; Ghosh and Lee, 2014; Chi, et al., 2007)
- important role in increasing productivity for growth (Chaudhuri and Ravallion, 2006; Berg and Ostry, 2011)
- can lead to large social costs and may significantly demoralize individuals' educational and professional decisions (Stiglitz, 2012)

Related Literature and Previous Studies

◆ In the Philippines

- Dacuycuy (2006) focuses on education and experience as the main factors for changes in wage inequality; finding that increases in wage inequality are due mostly to returns to education and experience
- Sauler and Tomaliwan (2015) also find that returns to education are higher for the upper income quantiles
- Chua, et al (2015) argue that the wage gap in the Philippines is affected by urban jobs requiring skilled labor, by the cost of living in urban areas being higher, and by particular failures in the labor market.
- There exists rural-urban income gaps and regional inequality and policies may have favored Luzon more; and in particular Metro Manila, located in the National Capital Region (NCR) (Balisacan and Fuwa, 2004; Chua, et al, 2015)

Methods Used

- ◆ Wage Gap Analysis
- ◆ Variance Decomposition
- ◆ Oaxaca-Blinder Decomposition Method

Descriptive Statistics

◆ We use October-rounds of the Labor Force Survey from 2007 to 2014

◆ With a sample size:

2007	2008	2009	2010	2011	2012	2013	2014
32,275	32,380	33,160	34,125	36,302	37,040	37,529	37,160

◆ Focus on wage earners belonging in the labor force

◆ Real wage is computed by using the Regional 2005 Consumer Price Index (CPI)

Frequency

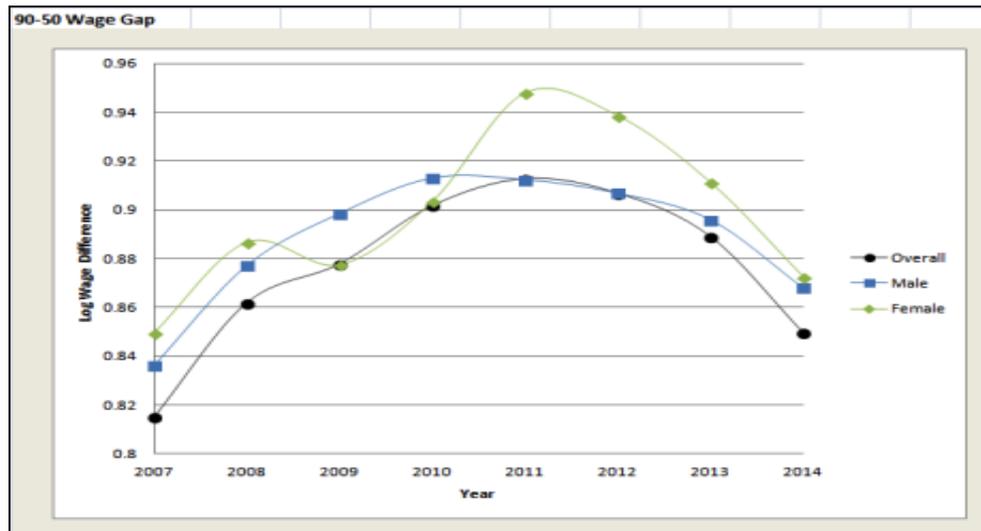
	2007		2011		2014		TOTAL	
TOTAL	32,275		36,302		37,160		279,971	
REGION								
NCR	5,637	17%	5,976	16%	6,218	17%	46,669	17%
NonNCR	26,638	83%	30,326	84%	30,942	83%	233,302	83%
GENDER								
Male	19,364	60%	22,005	61%	22,679	61%	169,536	61%
Female	12,911	40%	14,297	39%	14,481	39%	110,435	39%
EDUCATION								
No Grade Completed	198	1%	273	1%	233	1%	1,848	1%
Elementary Undergraduate	3,332	10%	3,909	11%	3,655	10%	29,439	11%
Elementary Graduate	4,139	13%	4,230	12%	4,171	11%	33,198	12%
Highschool Undergraduate	3,808	12%	4,624	13%	4,238	11%	33,335	12%
Highschool Graduate	8,605	27%	9,910	27%	12,573	34%	82,001	29%
College Undergraduate	4,673	14%	5,268	15%	3,530	9%	35,089	13%
College Graduate/Post	7,520	23%	8,088	22%	8,760	24%	65,061	23%

Average Daily Real Wage

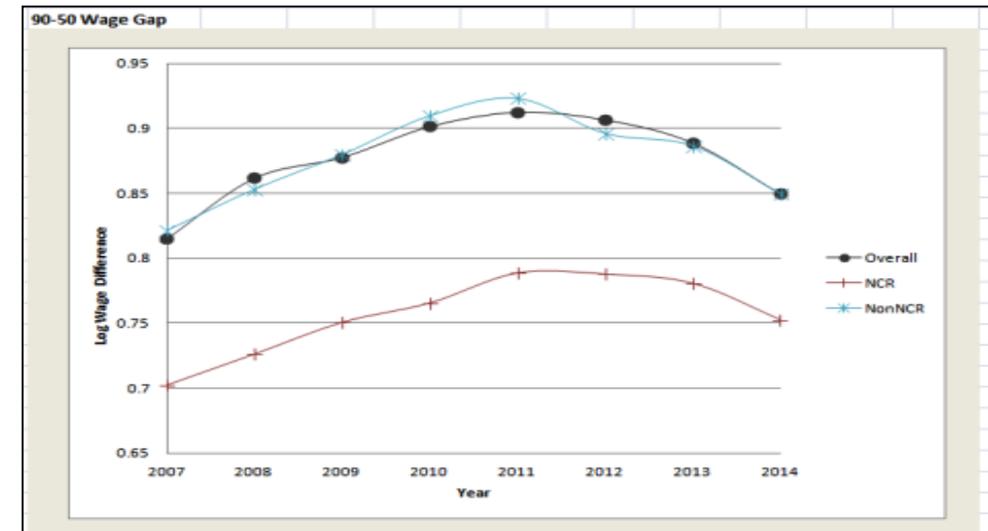
	2007	2008	2009	2010	2011	2012	2013	2014	TOTAL
Total	247.64	237.20	241.03	241.28	235.13	244.45	247.07	247.32	242.71
GENDER									
Male	245.81	235.31	237.68	236.25	228.39	238.25	239.86	239.49	237.57
Female	250.40	240.07	246.12	248.92	245.49	254.09	258.29	259.58	250.61
REGION									
NCR	348.25	357.09	348.66	358.23	343.45	344.18	361.42	363.85	353.21
Non-NCR	226.35	213.98	218.94	217.37	213.78	225.24	224.60	223.90	220.61
EDUCATION									
No Grade Completed	108.27	106.76	103.93	99.85	108.70	103.62	102.01	110.20	105.44
Elementary Undergraduate	137.26	127.72	126.13	123.00	124.93	132.72	130.24	133.48	129.43
Elementary Graduate	153.92	145.90	141.03	141.44	141.80	144.18	145.88	150.79	145.64
Highschool Undergraduate	158.93	151.68	149.63	148.50	145.99	147.83	151.54	155.20	151.01
Highschool Graduate	198.44	185.89	190.36	184.60	180.78	199.73	196.06	198.30	192.40
College Undergraduate	256.59	245.56	248.58	246.92	238.22	242.59	246.93	242.15	246.05
College Graduate/Post	447.46	435.64	446.75	454.78	456.99	469.83	470.67	461.41	455.99

Wage Gap Analysis

- ◆ 90-50 wage gap has increased according to gender, region and education



- ◆ wage gap among females > among males from 2011 to 2014



- ◆ wage gap among Non-NCR workers > among NCR workers

Variance Decomposition (2007 and 2014)

Category	OVERALL		UPPER HALF	
	Between	Within	Between	Within
Pooled	48 to 47%	52 to 53%	35 to 41%	65 to 59%
Male	41 to 42%	59 to 58%	34 to 40%	66 to 60%
Female	53 to 51%	47 to 49%	33 to 38%	67 to 62%
College Graduate	15 to 14%	85 to 86%	8 to 10%	92 to 90%
HS Graduate	23 to 22%	77 to 78%	12 to 17%	88 to 83%
NCR	39 to 42%	61 to 58%	26 to 27%	74 to 73%
Non-NCR	44 to 42%	56 to 58%	38 to 40%	62 to 60%

- ◆ Overall, the variability of log wages among females is 51 to 53% explained by between variables: age, education and region
- ◆ For the remaining categories (overall and upper half), the variability of log wages is largely explained by within variables or other factors
- ◆ In all the upper half categories, the variation in log wages explained by between variables has increased.

Oaxaca-Blinder Decomposition

- ◆ For Case 1: between income groups, the “explained” factor of the difference in log wages is mostly influenced by education
- ◆ For Cases 2 and 3, the following are the notable results:

	Case 2: By Gender		Case 3: By Region
	Upper 25 F > M	MidUp25 F > M	Upper 25 NonNCR>NCR
2007			
Difference	-0.0505*	-0.0103*	-0.1008*
Explained	-0.1039*	-0.0102*	-0.0885*
<i>Education</i>	-0.1950*	-0.0161*	-0.1319*
Unexplained	0.0534*	-0.0002	-0.0123*
2014			
Difference	-0.0982*	-0.0144*	-0.1633*
Explained	-0.1080*	-0.0188*	-0.1101*
<i>Education</i>	-0.1268*	-0.0323*	-0.1151*
Unexplained	0.0097	0.0044	-0.0533*

Summary of Findings

- ◆ The 90-50 wage gap has increased over the years according to gender, region and education.
- ◆ Females earn higher than males in the upper half of the distribution.
- ◆ The variability in female wages is 51 to 53% explained by age, education and region.
- ◆ Between two income groups, the “explained” factor of the difference in log wages is mostly influenced by education

Summary of Findings

- ◆ For the Upper 25 and MiddleUpper 25 (50-75), females earn higher than males. The difference in log wages between them is attributed to education, in particular, a college or post-graduate degree
- ◆ Also for the Upper 25, Non-NCR workers earn higher than NCR workers. The difference in log wages between them is due to education.
- ◆ Skills and experience may play a significant role in movements in wage inequality

Future Research

- ◆ Account for work experience
- ◆ Use Machado-Mata Decomposition Method
- ◆ Returns to Education employing Unconditional Quantile Regression

LABOUR MOBILITY IN VIETNAM

Prepared by:

Dr. Le Kim Dung, General Director, International cooperation, Ministry of Labour, Invalids and Vietnam (MILISA)

Assoc. Prof. Dr. Nguyen Thi Lan Huong

Institute of Labour Science and Social Affairs, Ministry of Labour Invalids and Social Affairs (MOLISA)



I. INTRODUCTION

▪ *The purpose and scope of the report*

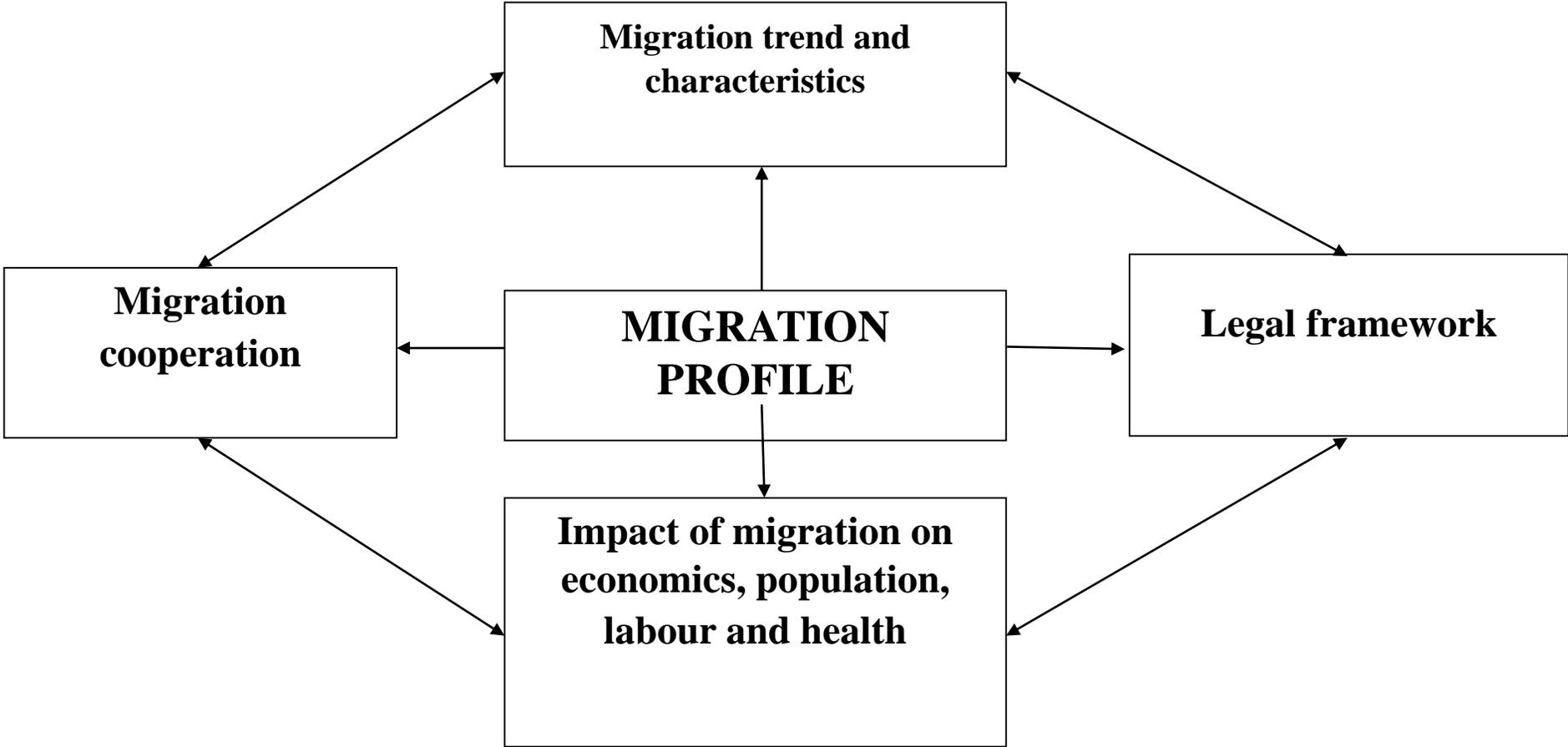
The purpose

- update the trend and volume of Labour international migration
- analyzing the factors and the impact on country and individuals and their challenges to make recommendation to better management and protection the migration flows

The scope

- The paper includes only two types of migration: labour migration to and from Vietnam

MIGRATION PROFILE



Source: Vietnam Migration Profile, 2015

1. VIETNAMESE LABOUR MIGRANTS ABROAD UNDER THE ABROAD CONTRACTS (1)

Table 8: Total number of Vietnamese employees working in the foreign countries/external territories

Year	Total (Person)	Number of destination countries/territories
2012	80 320	33
2013	88 155	38
2014	106 840	29
2015	119 530	22

Source: Department of Overseas Labour Management, Ministry of Labour, Invalids and Social Affairs, Official Letter No. 1379/QLLDNN-PCTH dated 16/9/2015 and Official Letter No 821/QLLDNN-PCTH dated 05/17/2016.

Top 15 countries/territories receiving the most Vietnamese workers in the 2012-2015 period

No	Countries/territories	2012	2013	2014	2015	Total 2012-2015
1	Chinese Taipei	30 533	46 368	62 124	67 621	206 646
2	Japan	8 775	9 686	19 766	29 810	68 037
3	Malaysia	9 298	7 564	5 139	7 454	29 455
4	Korea Republic	9 228	5 446	7 242	6 019	27 935
5	Saudi Arabia	2 360	1 703	4 191	4 125	12 379
6	Laos	6 195	4 860	200	0	11 255
7	Cambodia	5 215	4 250	50	0	9 515
8	Macao	2 304	2 294	2 516	493	7 607
9	UAE	1 731	2 075	831	286	4 923
10	Libya	645	1 201	1 005	0	2 851
11	Algeria	38	158	547	1 963	2 706
12	Cyprus Republic	1 699	143	56	43	1 941
13	Qatar	105	206	850	455	1 616
14	Belorussia	0	403	774	91	1 268
15	Russia	439	476	253	81	1 249
Total of 15 countries/territories		78 565	86 833	105 544	118 441	389 383
Rate to 15 countries/territories, %		97.8	98.5	98.8	99.1	98.6

VIETNAMESE LABOUR MIGRANTS ABROAD UNDER THE ABROAD CONTRACTS (3)

Figure 7: Percentage of female workers in 15 countries/regions that receive a lot of Vietnamese labour in the 2012-2015 period

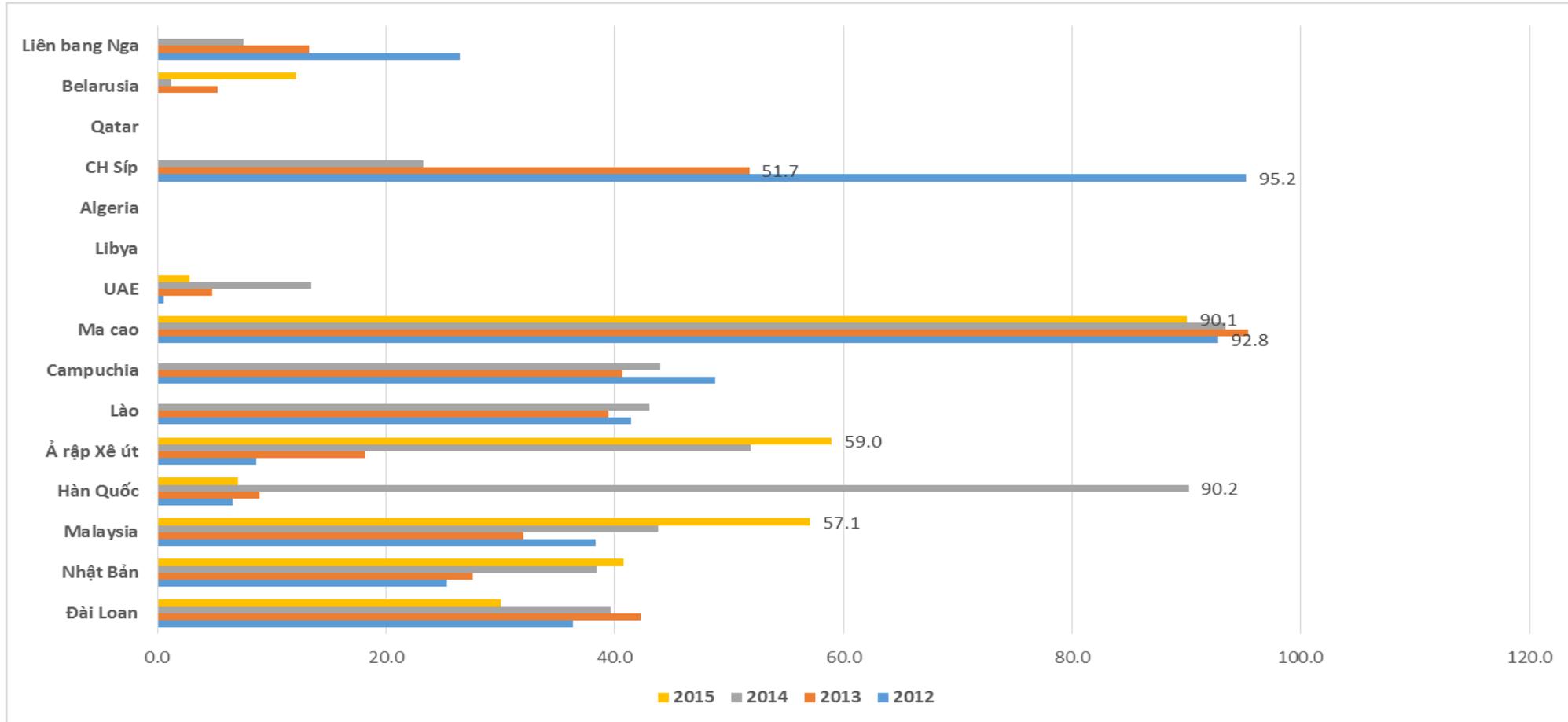


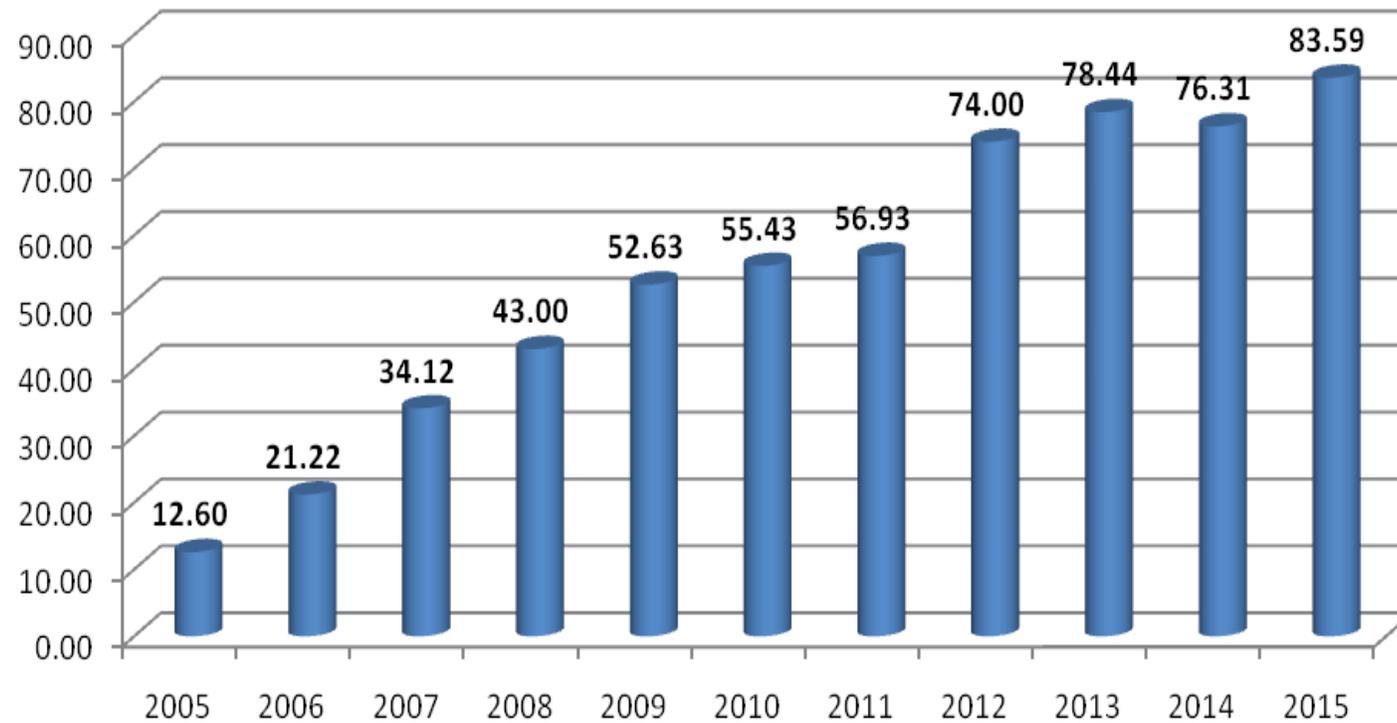
Table 10: Income of Vietnamese workers in foreign countries/territories, 2014

No	Countries/territories have Vietnamese workers	Number of Vietnamese workers	Average salary (USD per month)	Other average income (USD per month)
1	Chinese Taipei (China)	138 926	650	200
2	Korea Republic	54 392	1 000	250
3	Japan	26 164	1 400	200
4	Malaysia	20 108	300	111
5	Saudi Arabia	16 251	320	100
6	Laos	15 532	300	113
7	Macao	13 205	550	160
8	Cambodia	12 335	250	94
9	UAE	9 137	320	100
10	Cyprus Republic	2 809	491	200
11	Russia	1 452	800	200
12	Qatar	1 153	320	100
13	Lybia	883	350	130
14	Belarusia	680	491	200
15	Singapore	399	700	
16	Italia	355	875	200
17	Portugal	145	620	100
18	USA (boat members)	129	400	300
19	Denmark	129		
20	Germany	102	1 137	
21	Australia	101	4 000	800
22	Slovakia	26	450	100
23	Malta	10	650	100
24	Poland	7	446	100

2. FOREIGN LABOUR TRENDS IN VIETNAM IN THE 2001-2015 PERIOD (1)

Figure 8: The size of foreign workers in Vietnam

Unit: 1000 persons



Source: Department of Employment (MOLISA), 2011

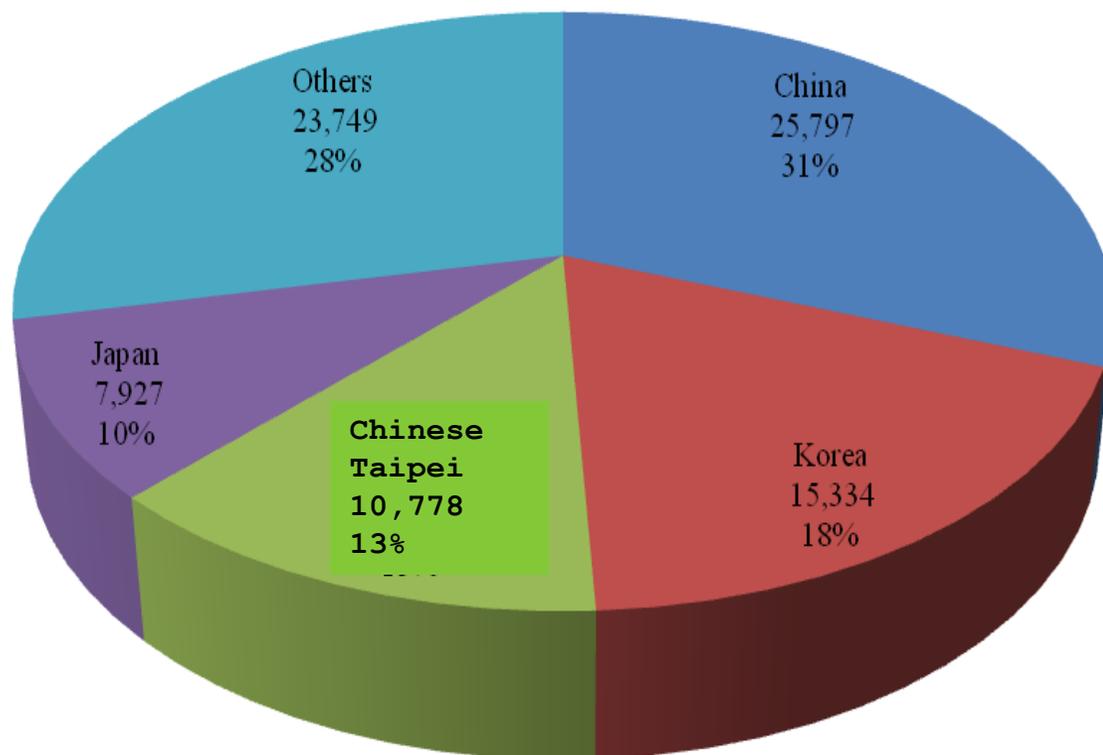
FOREIGN LABOUR TRENDS IN VIETNAM IN THE 2001-2015 PERIOD (2)

Table 11: Structure of foreign labor force in Vietnam

	2012	2013	2014	2015
Total number of foreign workers in Vietnam	74 000	78 440	76 309	83 588
1. Qualification (%)				
Bachelor's and higher degree	48.3	48.3	49.3	53.9
Technical diploma/certificate	34.6	34.6	35.3	38.6
Other	17.1	17.1	15.3	7.4
2. Work positions (%)				
Managers	31.8	31.8	32.5	35.5
Technical experts	41.2	41.2	42.1	46.0
Others (primary skilled, unskilled workers,...)	27.0	27.0	27.6	30.1

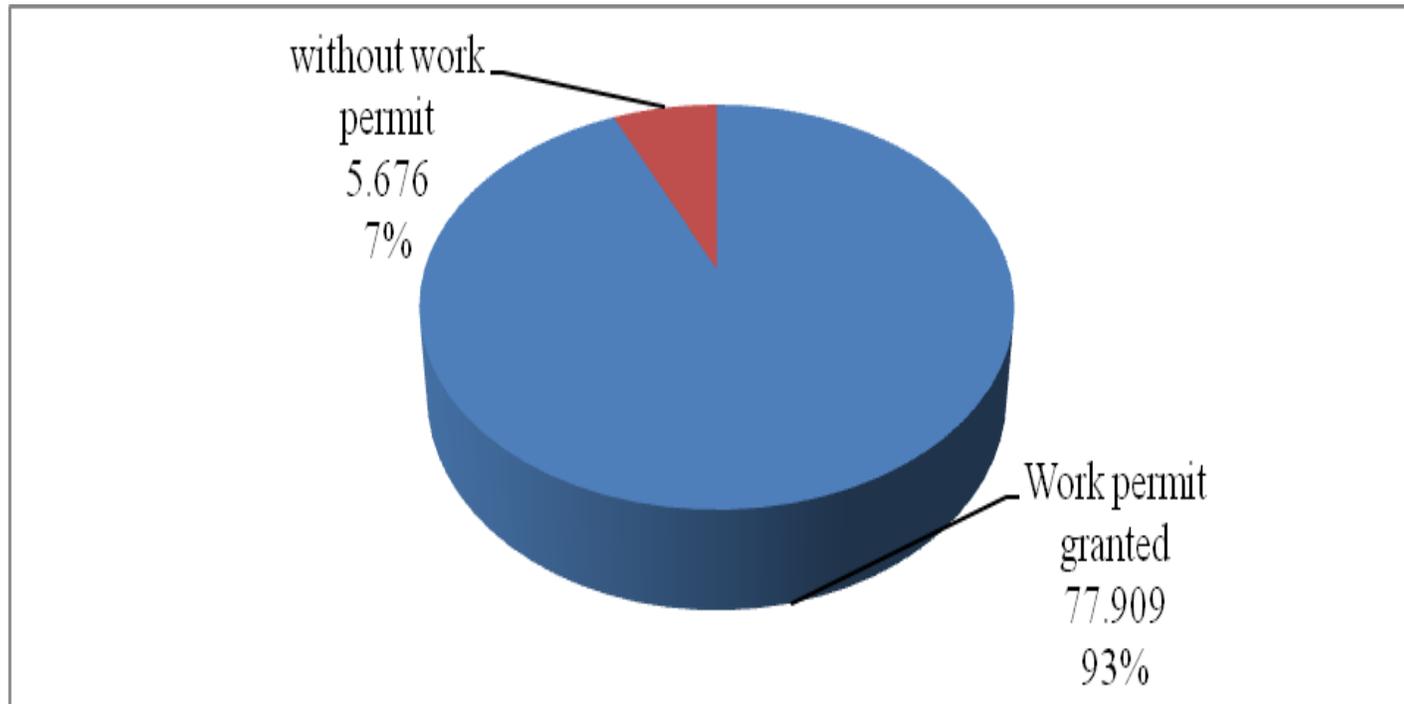
FOREIGN LABOUR TRENDS IN VIETNAM IN THE 2001-2015 PERIOD (3)

Figure 9: Foreign workers by source country, 2015



FOREIGN LABOUR TRENDS IN VIETNAM IN THE 2001-2015 PERIOD (4)

Figure 10: Foreign workers by work permit status, 2015



3. PUSH FACTORS FOR INTERNATIONAL MIGRATION

Push factors for labour migration

-Economic factors:

low income, poverty, lack of employment and livelihood options are regarded as main motive powers of migration decision

-Working purpose

- FDI and integration

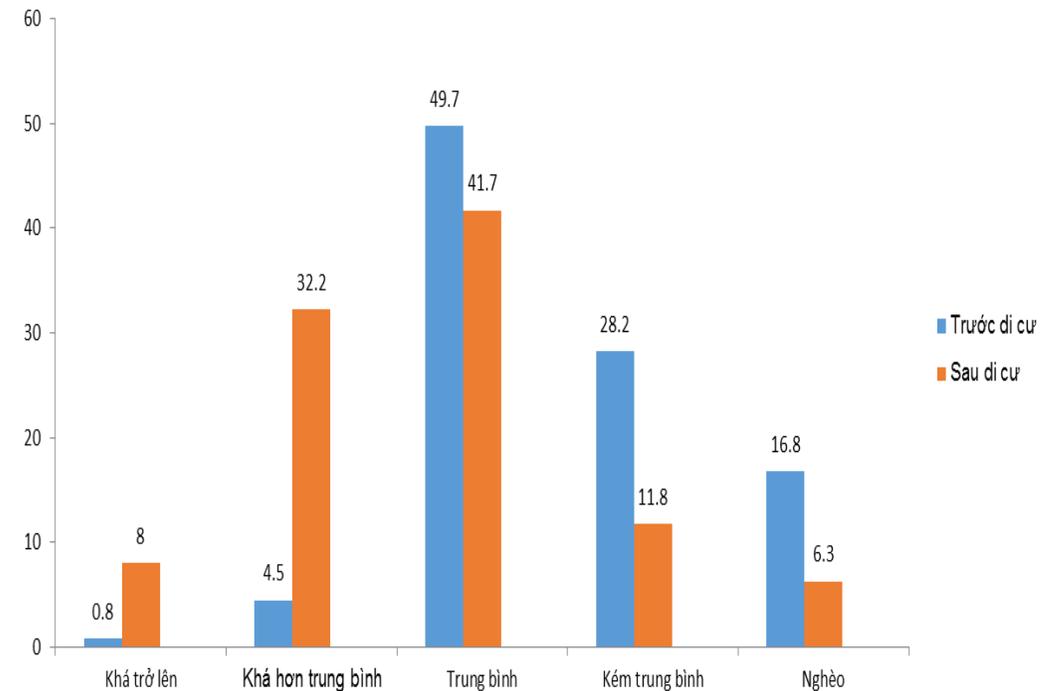
4. IMPACT OF MIGRATION(1)

Impact on migrants

- Migrants desire to find better jobs, better incomes as compared to those in hometown→ These migration workers have earned much higher level of income as compared to the average wage in their country
- Along with the employment opportunities and high level of income, the international migration workers have also learned many other things in the host country, such as foreign language, professional skills, skills of living and working in the highly industrialized societies as well as the culture of host countries

Impact on family

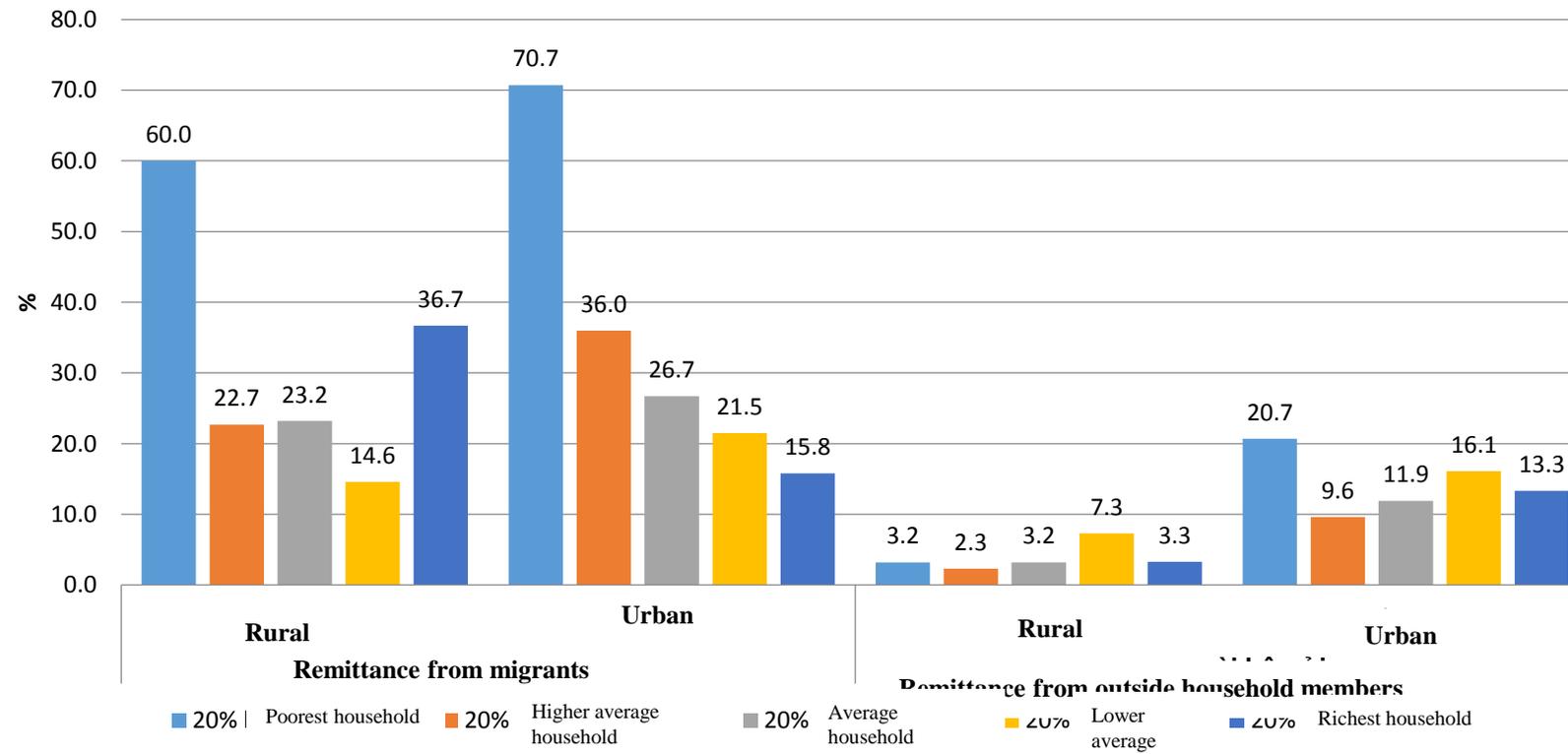
- Figure 12: Proportion of household's living standards before and after migration



Impact on family

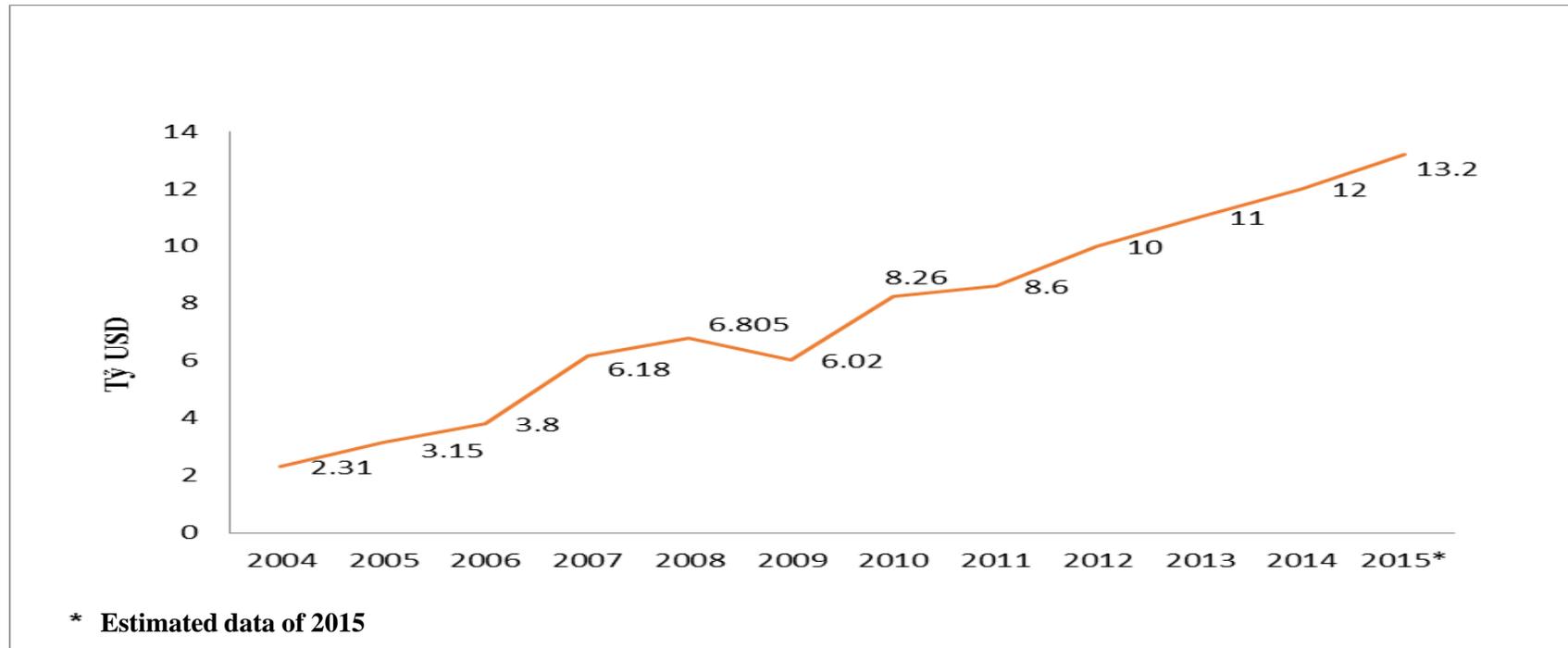
Remittances from international migrants are used in many different purposes, but its impact is often referred to as the advancing capabilities of families in the children education, reducing schooling children dropout rates, improving capacity on accessing to health services, health care for family members and improve the living standards of the family in general

Figure 13: Percentage of households receiving remittances from international migrants



IMPACT OF MIGRATION(3)

Figure 14: Remittances from overseas Vietnamese living aboard

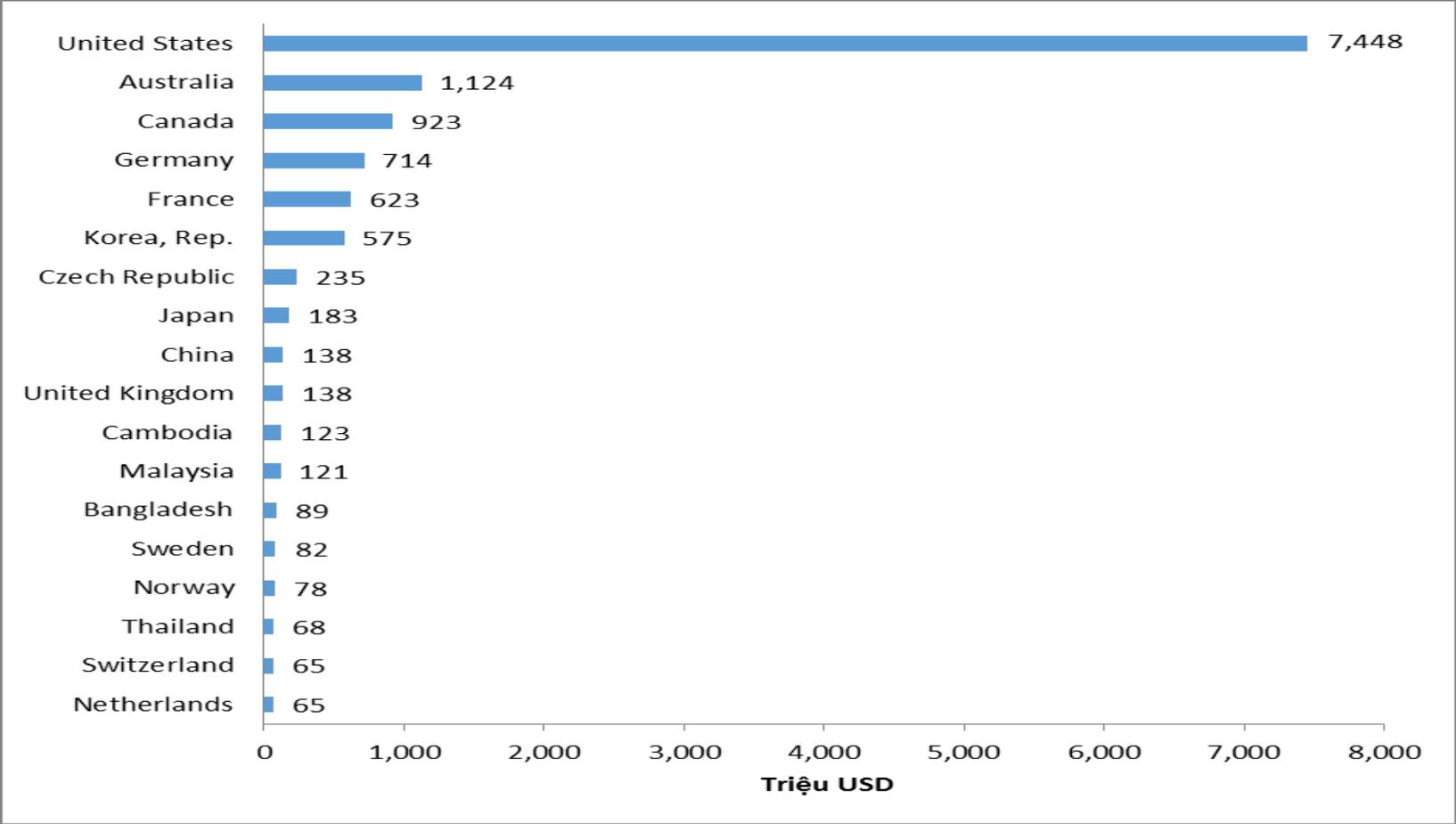


Source: <http://www.worldbank.org/migration>.

The 12 countries with the largest number of immigrants and also remittances (over 100 million US dollars), including the US, Australia, Canada, Germany, France, Korea, the Czech Republic, Japan, China, Britain, Cambodia, and Malaysia

IMPACT ON COMMUNITY IN ORIGINAL AREAS (1)

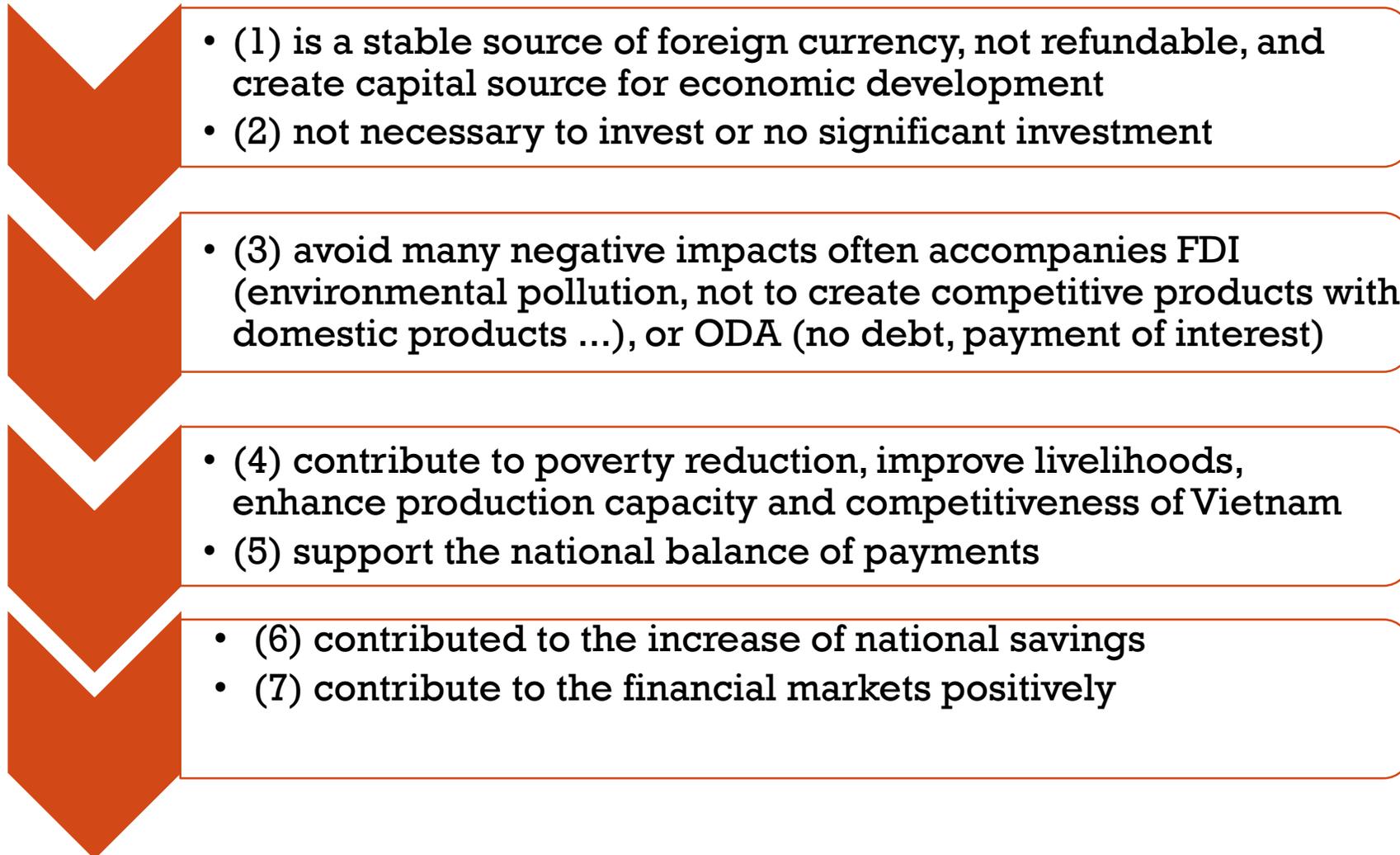
Figure 15: The stream of remittances to Vietnam of Vietnamese



Source: <http://www.worldbank.org/migration>.

IMPACT ON COMMUNITY IN ORIGINAL AREAS (3)

- Comparison of remittances situation to ODA and FDI has indicated 7 good financial impacts for the country:



4. CHALLENGES OF LABOUR MIGRATION OUT

- Costs for departure: Preparation
- Social protection before, during and after migration
- Working conditions
- Returning – overstays
- Illegal migration to Thailand, Singapore ...
- Work and domestic abuse

CHALLENGES FOR FOREIGN WORKERS TO VIETNAM

- Unskilled workers are permitted
- Labour mobility within the country
- Monitoring and skill replacement
- Social Protection participation: Health and social insurance
- Other issues
- Non visa workers

5. Recommendations

**Improve legal framework
on international
migration**

**Develop Law on
international migration
taking into account the
International conventions
on the rights of migrants
and their family members
(1990)**

**Enhancing coordination
between Ministries**

6. Conclusion

- In the coming years, the trend continues to increase the number of labour migrants by contract with a term abroad when Vietnam integrates more deeply with the world is difficult to reverse
- Many workers from the provinces of Vietnam emigrated to neighboring countries such as China, Laos, Cambodia to earn their livings is also very exciting
- The unofficial migrants have to face to threats/risk of potential, unsafe, lack legal protection, vulnerable to exploitation, abuse, more likely to become victims of human trafficking

THANK YOU FOR YOUR ATTENTION

[May 2017]

APEC Study Center Conference in Hanoi, Vietnam

Enhancing Competitiveness of SMEs in APEC: New Directions for Technological Cooperation

13 May. 2017

Jin-sang LEE, Ph. D.

Professor, Department of Technology and Society
Director General, International Institute of Sustainable Development Studies,
State University of New York, Incheon, South Korea

E-mail: jinsang.lee@sunykorea.ac.kr

Phone: +82-32-626-1322(Office)

+82-10-4722-3801(Mobile)

Contents

I. Introduction

II. SME and Technologies

III. Case Studies of SMEs in Vietnam, Malaysia, Indonesia
and the Philippines

IV. New Directions for SME Technological Cooperation

V. Conclusion

I. Introduction

(1) Changing Business Environment

- ❖ New international economic order: G2, G7, G20, BRICKS, PINEs, MINT, Newly industrializing countries, diversification
- ❖ Uncertainties in economic, social, and political aspects:
 - Internal and external economic environment in DCs and LDCs
 - Protectionism, migration problems
 - Economic aspects: market system, entrepreneurship, fair trading
 - Limited technology capacity, infrastructure, human capital, low level of governance, heavily depended upon foreign support
 - Social Conflicts: income gap, unemployment, aging society,
- ❖ Technology gaps between DCs and LDCs have been widened
- ❖ Require technological progress: technology transfer, adaptability, appropriate technology

I. Introduction

(2) SMEs are bases of any economy

- ❖ Potential for economic and social development
 - Education sector development: pre-school, primary, secondary, tertiary, TVET
- ❖ Matched with the new concept of industrial promotion: the 4th Industrialization with minimum level of job creation, changes in occupation
- ❖ Suits with the Sustainable Development Goals till 2030 in LDCs
- ❖ Development of SMEs brings growth:
 - Employment, easy to start and to make decision
- ❖ This presentation brings suggestions how SMEs could build up capacity through technological cooperation
- ❖ It focuses on 4 APEC Countries; Viet Nam, Malaysia, Indonesia and the Philippines – have potential for development and could be leading economies in the region

II. SMEs and Technologies

(1) SME Development Strategies

- ❖ Align with national development plan
 - Taking into account of factor endowment of the country
- ❖ Development HRD for SMEs
 - Entrepreneurship and managerial skills as well as technological knowledge and technical skills
- ❖ Increase R&D, and improve SME technologies
 - specific methodologies and tools for promoting the adoption of latest technologies
 - prioritize initiatives for developing SMEs
- ❖ SMEs access to foreign markets
 - Provide basic managerial support with better access credit
 - Reduce risk and lower barriers to SME financing

II. SMEs and Technologies

(2) Barriers of Technological Development for SMEs

Issues	Barriers
Human Resource Development	<ul style="list-style-type: none">-Managerial capacity and entrepreneurship-TVET, applied vocational training-Training guidance for women entrepreneurs
R&D and Investment	<ul style="list-style-type: none">-Financial resources, venture capital, private equity-Lack of collateral and guarantee mechanism-Clusters and technology centers-Tripartite partnership among University-Research-Industry-Attract quality manpower
Policy advocacy and conducive business Environment	<ul style="list-style-type: none">-Investment promotion and financial policies-Taxation issues-Trade, market, regulations, competition policies-Favorable policies on large industries neglecting SMEs

II. SMEs and Technologies

(3) SWOT Analysis of SMEs in LDCs

Strength	Weakness
<ul style="list-style-type: none"> -Large market size -Cheap labour cost -Easy to start with low level of technology -Large proportion of labour 	<ul style="list-style-type: none"> -Limited technology capacity and transfer -Low quality of products and productivity -Less skilled workers and managers -Limited finance and technology -Lack of network with academia, research and industry -Lack of forward and backward linkages
Opportunities	Threat
<ul style="list-style-type: none"> -Globalization and expansion of markets -Easy access to technology from abroad -Inflow of FDI companies and MNCs -Diversified potential markets -Large industries require more SMEs -Government policies on SME promotion 	<ul style="list-style-type: none"> -Large industries may take over or copy -Easy to import low price products -Difficult to maintain technology leadership -Competition from other countries

II. SMEs and Technologies

(4) APEC Efforts for SME Technologies

- ❖ 1998: APEC SME Ministers-Integrated Plan of Action for SME Development
- ❖ 2005: APEC SME Innovation Center, Daegu Initiative
- ❖ 2011: APEC Breen Innovation Conference-APEC SME Technology Conference and Fairs(SMETC)
- ❖ 2016: APEC Business Ethic for SMEs Forum in Lima-Encourage SMEs to evolve into self-sustaining enterprises
- ❖ 2017: MSMEs in Enhancing Capacities in Exporting Services -'APEC Public-Private Dialogue'; open dialogue, capacities of export and technical assistance, networking among MSME stakeholders
- ❖ APEC has been working on SME promotion during the last 20 years: requires for new directions

III. Case Studies

(1) Comparison of 4 Countries

Country	No. of SMEs(2011)	% of labour	% of Export	ISO 9000	% R&D/GDP
Viet Nam	57,700	77	17	2,036	0.15
Malaysia	148,678	53	28	8,614	0.63
Indonesia	646,475	97	9	6,524	0.08
Philippines	73,509	61	33	944	0.11

- ❖ Among the above 4 countries: Indonesia has the highest proportion of labour force in SMEs, while the lowest for export mainly targeting domestic market
- ❖ ISO 9000 certifications show the standard of production process and the quality of manufacturing process: Malaysia is the highest among the above 4 countries
- ❖ Philippines has high proportion of export earnings mainly agricultural processed products

III. Case Studies

(2) SMEs in Vietnam

- ❖ One of the fastest growing countries: bench marked by many African countries
- ❖ Rich in natural resources, agriculture and fisheries
 - Young population structure: the international division of labour
 - Growing industrialization with inflow of FDI
 - Agriculture development: agro industries and high yield crops
 - Rapid development of the secondary and the service sectors
- ❖ SMEs share 95% of enterprises, 31% of GDP, 77% of labour, 17% of export
- ❖ Weak linkage between import-substitute and export-oriented
- ❖ External networks between SMEs and MNCs is not yet strong
- ❖ Weak in commercialization, academia-research-industry collaboration
- ❖ Weak R&D infrastructure by the government

III. Case Studies

(3) SMEs in Malaysia

- ❖ Started industrialization 4 decades ago, reached 'Middle-income trap'; inability to produce differentiated products for global value chains
 - Relatively stable politics with the open market system
 - Abundant natural resources with some degree of industrialization
- ❖ Share 90% of enterprises, 57.5% of employment, 33.1% of GDP, 19% export
- ❖ Government efforts for SMEs: Small and Medium Industries Development Cooperation(SMIDEC), and also SME Bank, SME Credit Bureau, Agro-Bank, Venture Capital
- ❖ Technology awareness within political, social and economic spaces
- ❖ Expanding R&D infrastructure that are derived from the application of S&T, but limited activities for commercialization

III. Case Studies

(4) SMEs in Indonesia

- ❖ Large size of population and domestic market
 - Abundant natural resources but slow in industrialization
 - Large number of SMEs and big domestic market
 - Focusing on the secondary and the service sectors for promotion
- ❖ Share 99.9% of enterprises, 97.2% of workers, 22% of GDP, 34% women owned
- ❖ Problems: Lack of capital, low productivity and technology, lack of information and markets, low quality of institution and organization, lack of business network
- ❖ Technology promotion has been slow with limited capacity for the adaptation of SME technologies
- ❖ Building and expanding institutions that support technological progress

III. Case Studies

(5) SMEs in the Philippines

- ❖ Large young population, and 10% of the total population are guest workers abroad and contribute hard currency earnings
 - Less active in foreign direct investment: social and political problems
 - Agriculture development: agro industries
- ❖ SMEs share 99.6% of business enterprises, 70% of workers
- ❖ Migrant of the quality labour for higher income abroad
- ❖ Government Efforts: Micro, Small & Medium Enterprises Development Council(MSMEDC); Inclusive finance, service integration, e-commerce, global value chain
- ❖ Industry cluster: increase productivity, access technology and innovation, increase market access, but slow in progress
- ❖ SME Academy: increase competitiveness, increase employment and GDP

IV. New Directions for Tech. Cooperation

(1) Rationale of Technologies in APEC

- ❖ SME technology is a critical factor for Sustainable Development
 - Need to provide a strong technological knowledge from the school education
- ❖ Strengthening the integration of SME Technologies from DCs
 - Some exchange programs among APEC countries
- ❖ Improve APEC leadership to promote technologies among DCs
 - Capacity building of education and research institutions
- ❖ Stop and reverse brain drain technology
 - Policies to hold scientists and engineers within member state
- ❖ Technology to modernize the community
 - Implication of technology to adopt into practices
- ❖ Nurture innovation culture to drive industrial promotion and products by SMEs

IV. New Directions for Tech. Cooperation

(2) Determinants of Technology in LDCs

- ❖ Technology infrastructure:
 - R&D institutions, collaborative research activities among academia-research-industry
- ❖ Technology Transfer:
 - Innovate and absorptive capacity for new technology, information
- ❖ Pace of Technological Change:
 - Upgrade technologies in view of rapidly changing technologies
- ❖ Technology Acquisition:
 - Capital and relatively high transaction cost, incentive, direction and capacity to upgrade technology, technological information
- ❖ Quality of Manpower:
 - Quality labour and train them, managerial skills and technical dimension

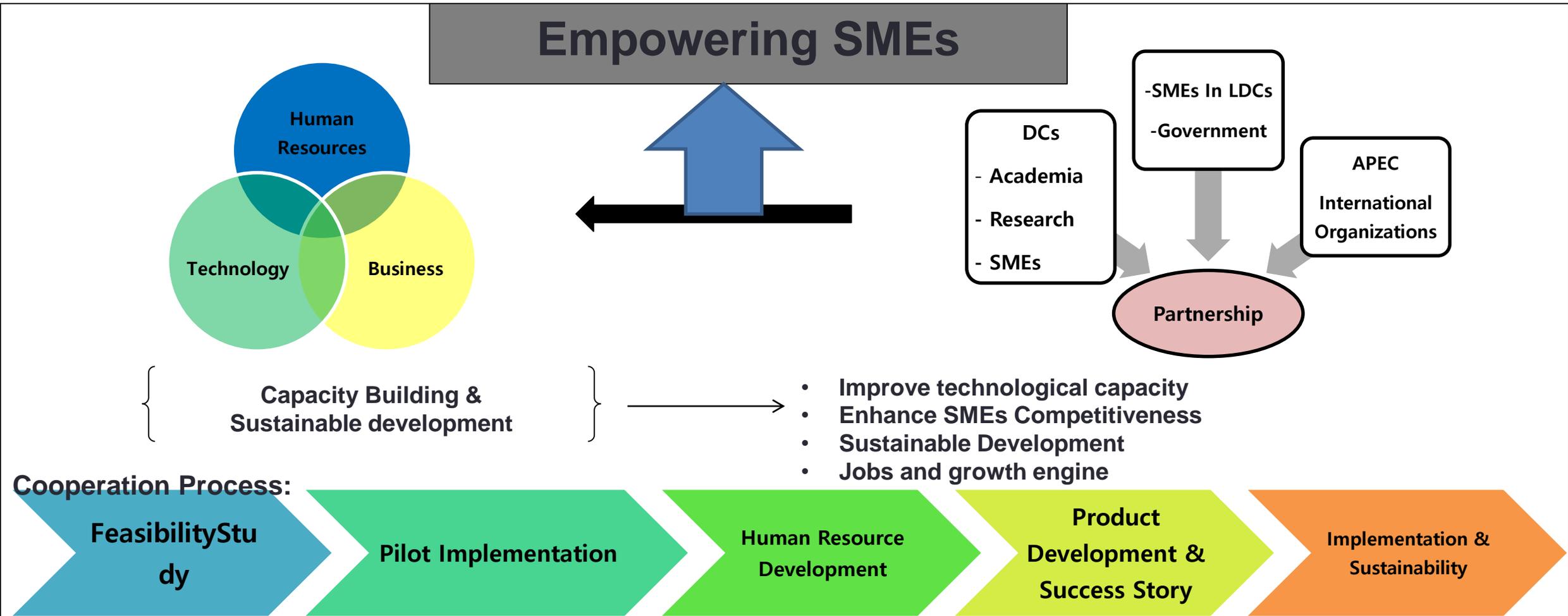
IV. New Directions for Tech. Cooperation

(3) Technological Cooperation Flows

- ❖ Main Objective: Empowering SMEs through capacity building
- ❖ APEC collaboration: Business, Technology and Human Resource Development:
- ❖ Technologies should focus on traditional manufacturing industries
- ❖ DCs and LDCs: partnership among them and share technologies
- ❖ Academia-research in DCs and LDCs: should work for industries
 - Basic technologies by academia
 - Applied technologies by industrial innovation activities
 - GRIs(Government research institutions) could be helpful too
- ❖ Cooperation Processes: Begin with feasibility study, pilot implementation, HRD, production development and implementation

IV. New Directions for Tech. Cooperation

(4) Technological Cooperation Flows



Source: Lee JS(2015)

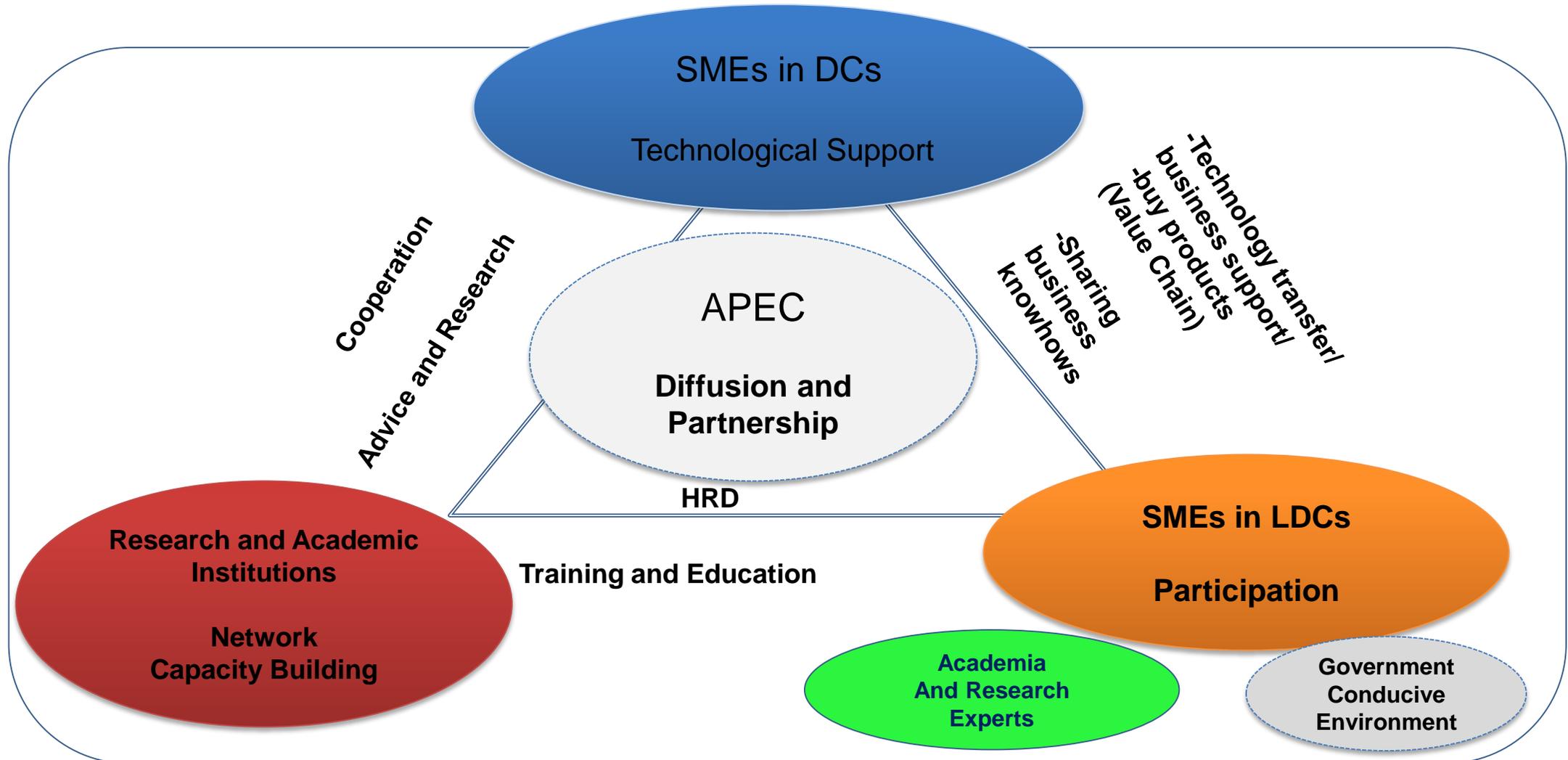
IV. New Directions for Tech. Cooperation

(5) Technological Cooperation Structure

- ❖ APEC SMEWG: Pivotal role in SME technological cooperation
 - As a multinational institution, pursue benefits to all the members
- ❖ SMEs in DCs and LDCs: Technology transfer partnerships
 - Appropriate technologies to each country
- ❖ Academia and Research Institutions: Diffusion and partnership
 - Link with industries in DCs and LDCs
- ❖ LDCs: Government provides conducive business environment
 - Provide special policies to foster cooperation
- ❖ Academia-research-industry collaboration; training and education
- ❖ DCs: Share technology and dissemination of technological knowledge

IV. New Directions for Tech. Cooperation

(6) Cooperation Structure



Source: Lee JS(2015)

V. Conclusion

- ❖ SME technological cooperation is closely related to SDGs
- ❖ SMEs could improve competitiveness through education, R&D activities in LDCs
- ❖ For more practical knowledge on SME technologies, focus on policy making for the long-term promotion of sophisticated technological knowledge
- ❖ APEC SMEWG could bring a pivotal role on technological cooperation
- ❖ Tripartite partnership among academia-research-industry in DCs and LDCs
- ❖ Pursue win-win strategies for technological cooperation: need to be more country specific
- ❖ APEC SME Technology Forum: can be launched as a starting point to harness partnership among members

Q & A

Thank you!

SMEs in Regional Integration – Lessons from ASEAN?

APEC STUDY CENTERS CONSORTIUM CONFERENCE 2017

Enhancing capacity and competitiveness of MSMEs

May 12-13, 2016

Hanoi, Viet Nam

Sothea Oum, Asia Growth Research Centre , Singapore
University of Adelaide,

Sequence of questions ...

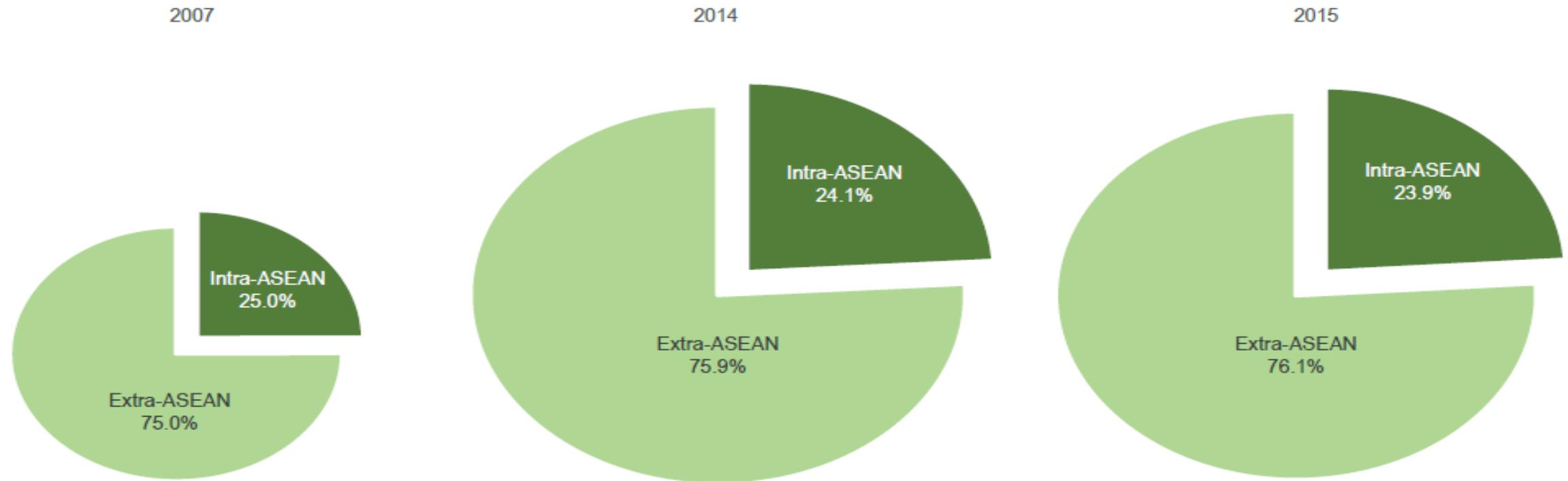
2

- Whither ASEAN Economic Integration?
- What are the roles played by SMEs in ASEAN Economic Integration?
- Can SMEs play these roles?
- Are ASEAN-level initiatives supportive in the right way?

3.3 Intra- and Extra-ASEAN Trade in Goods

3

In percent share

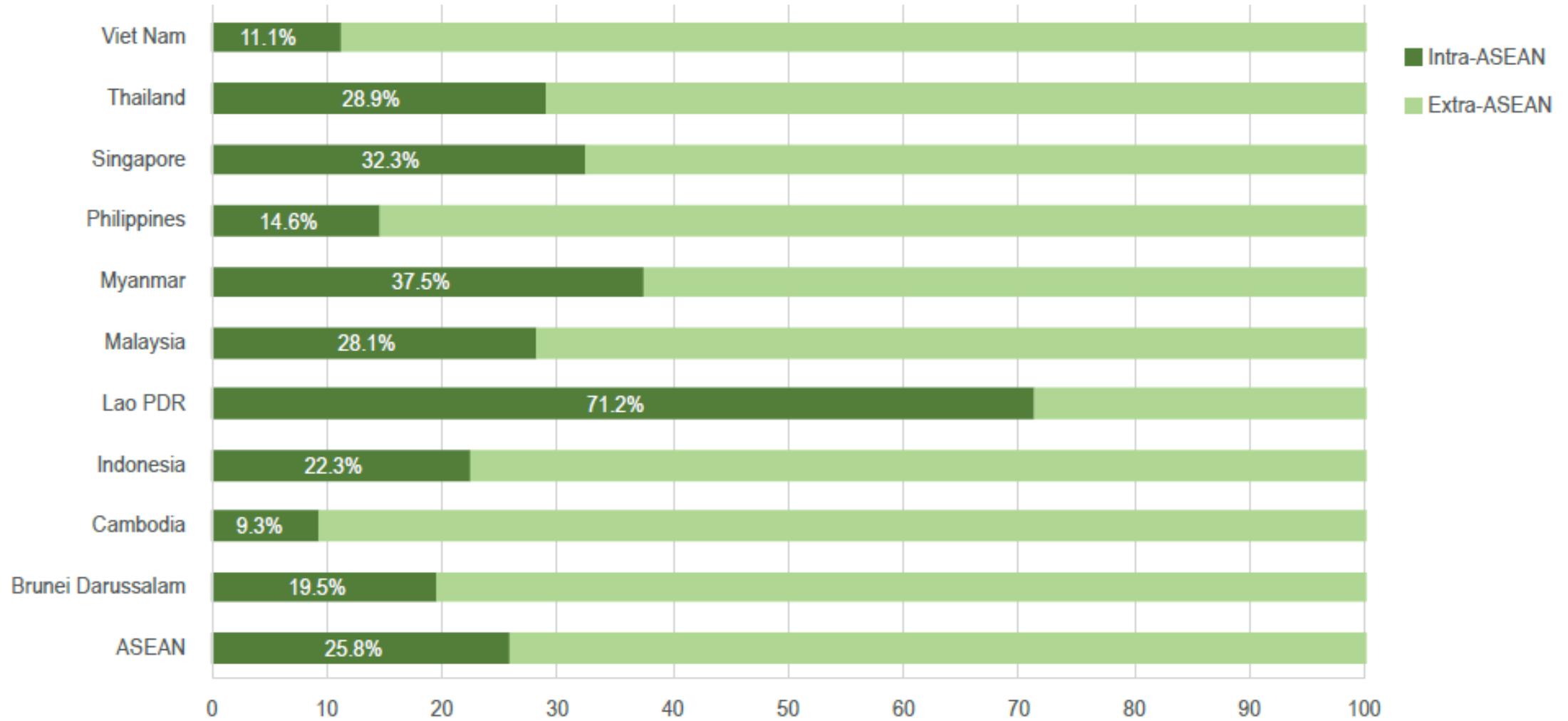


Source: ASEAN Secretariat.

ASEAN Member States Exports of Goods by Destination, 2015

3.4

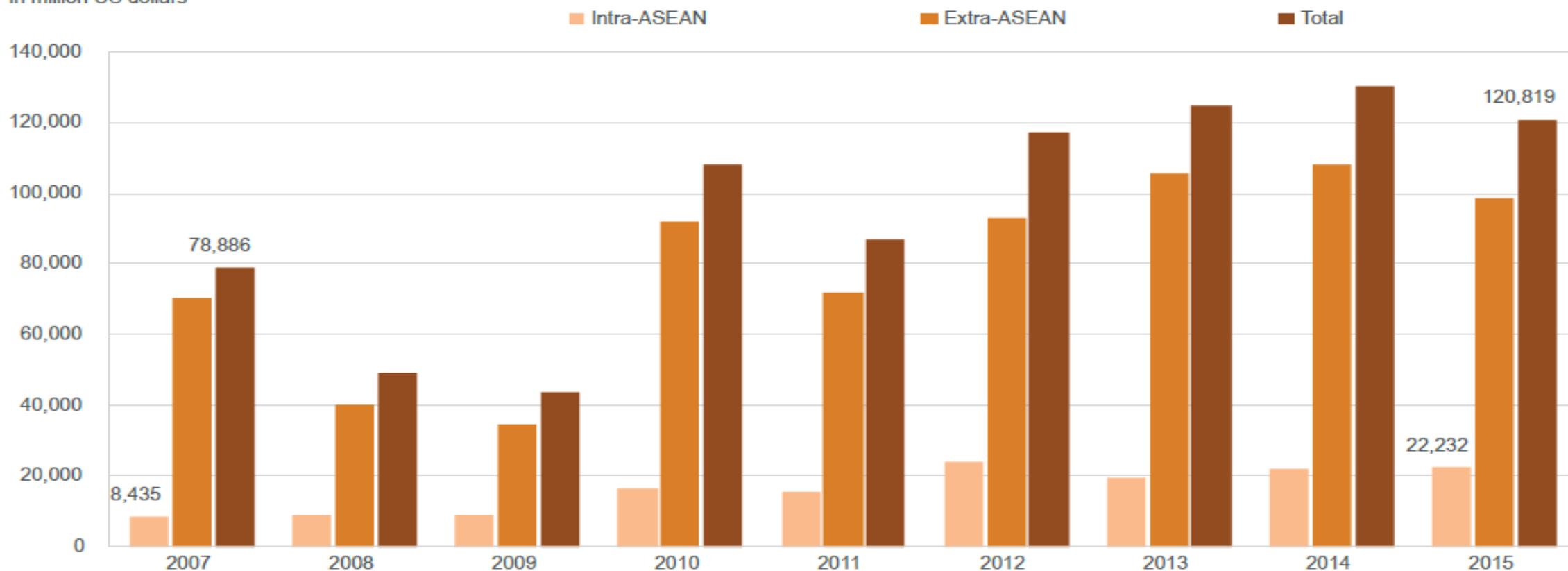
In percent share



Source: ASEAN Secretariat.

6.3 Net inflows of FDI, Extra and Intra-ASEAN

In million US dollars



Note: For 2012-2013, Lao PDR's data on 'by source country' are not yet available; intra-/extra-ASEAN breakdowns for 2012-2013 were estimated by the ASEAN Secretariat.

Source: ASEAN Secretariat.

ASEAN Economic Integration and SMEs

6

- Are SMEs important in ASEAN countries?
- What are the roles played by SMEs in ASEAN economic integration?
- Policies on SMEs:
 - National level
 - ASEAN level

SMEs in ASEAN Countries

7

- ASEAN - no single definition of SMEs
 - Different definitions across ASEAN countries
- SMEs play important role in ASEAN countries:
 - SMEs share of total establishments: 97% - 99%
 - SME's share of GDP: 23% - 58%
 - SME's share of employment: 52% - 97%

SME Policies

8

- Country-level policies
 - Summarized by ASEAN SME Policy Index
- ASEAN-level policies:
 - AEC Blueprints
 - Strategic Action Plans

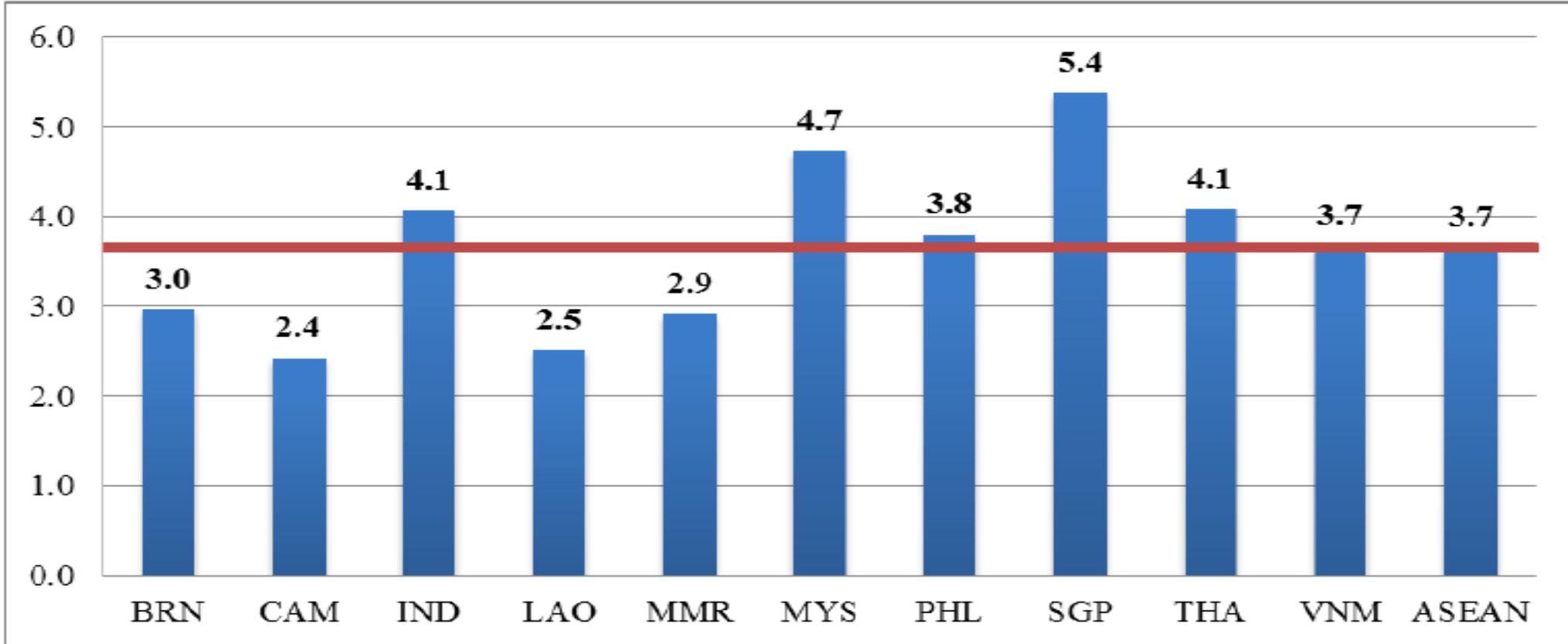
Common Themes in SME Policies

9

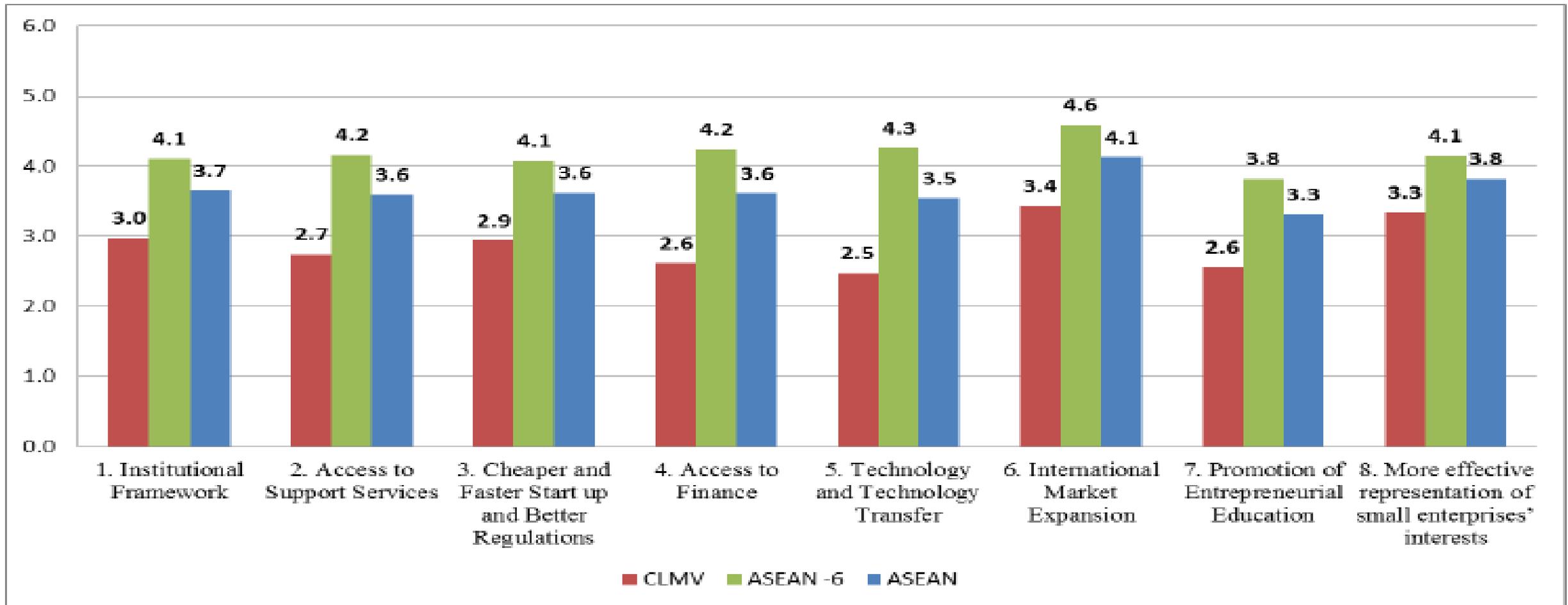
- **How to promote SME development?**
- **What factors are holding back SMEs?**
 - Human resource – entrepreneurship, management skills
 - Marketing networks, trading hubs, e-commerce
 - Financing - access
 - Technology – access, transfer, upgrading
 - Policy environment - regulations

ASEAN SME Policy Index, 2014

10



ASEAN SME Policy Index 2014



ASEAN Plans for SME Development

- SME Working Group, estd. 1995
- ASEAN SME plans:
 - **ASEAN Policy Blueprint for SME Development 2004-2014 (APBSD)**
 - **ASEAN Strategic Action Plan for SME Development 2010 – 2015 (SAPSD 2015)**
 - **ASEAN Strategic Action Plan for SME Development 2016-2025 (SAPSD 2025)**
- Some continuity but emphasis has changed over time:
 - Capacity building → Exporting, Technology
 - New institutions: SME Financial Facility, Regional SME Development Fund, SME Service Center

AEC Blueprint 2025

- “ASEAN will also provide a new emphasis on the development and promotion of micro, small and medium enterprises (MSMEs) in its economic integration efforts.”
- Under D.4 Narrowing Development Gap:
 - “vi. Emphasise on the **development of MSMEs** of ASEAN Member States”;
 - “vii. Identify development donors to provide technical and financial assistance for the MSMEs to focus on potential sectors, which allow them to effectively **participate in regional and global value chain activities.**”

ASEAN Strategic Action Plan for SME Development

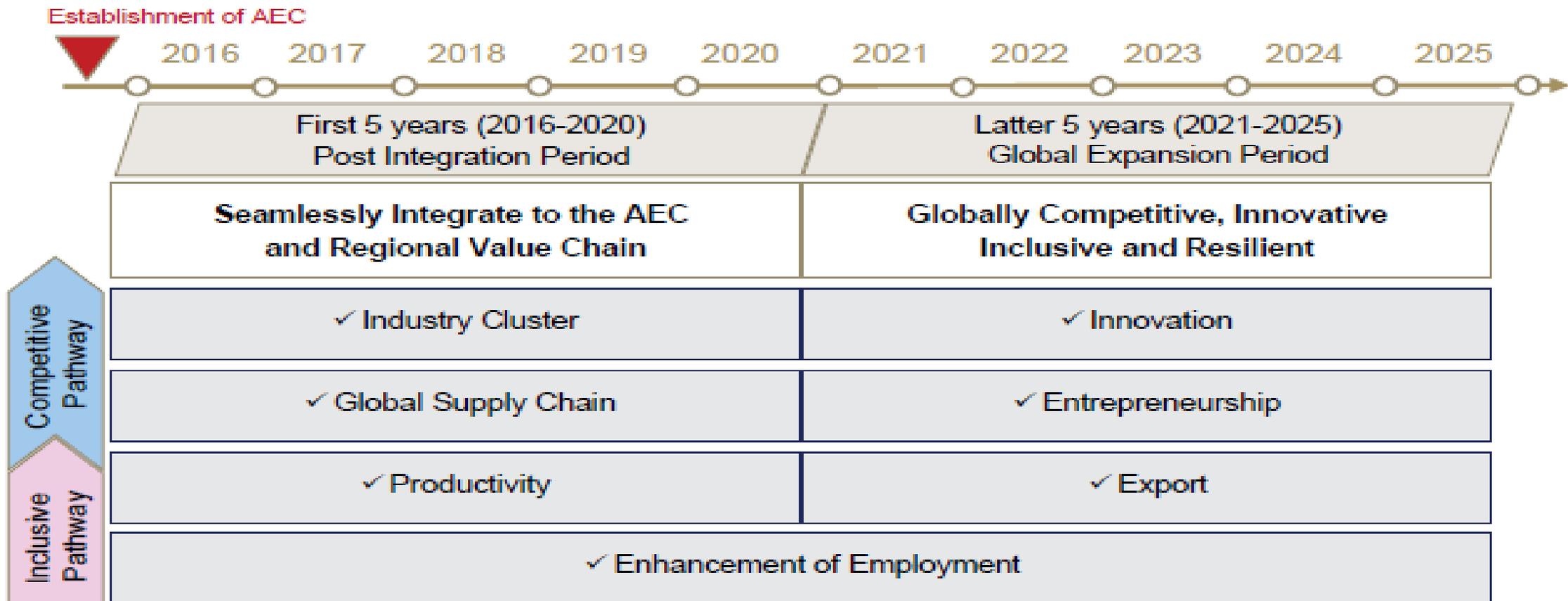
Vision:

**Globally Competitive
and Innovative MSMEs**

Mission Statement:

**By 2025,
ASEAN shall create globally competitive,
Resilient and innovative MSMEs
Seamlessly integrated to ASEAN community and
Inclusive development in the region**

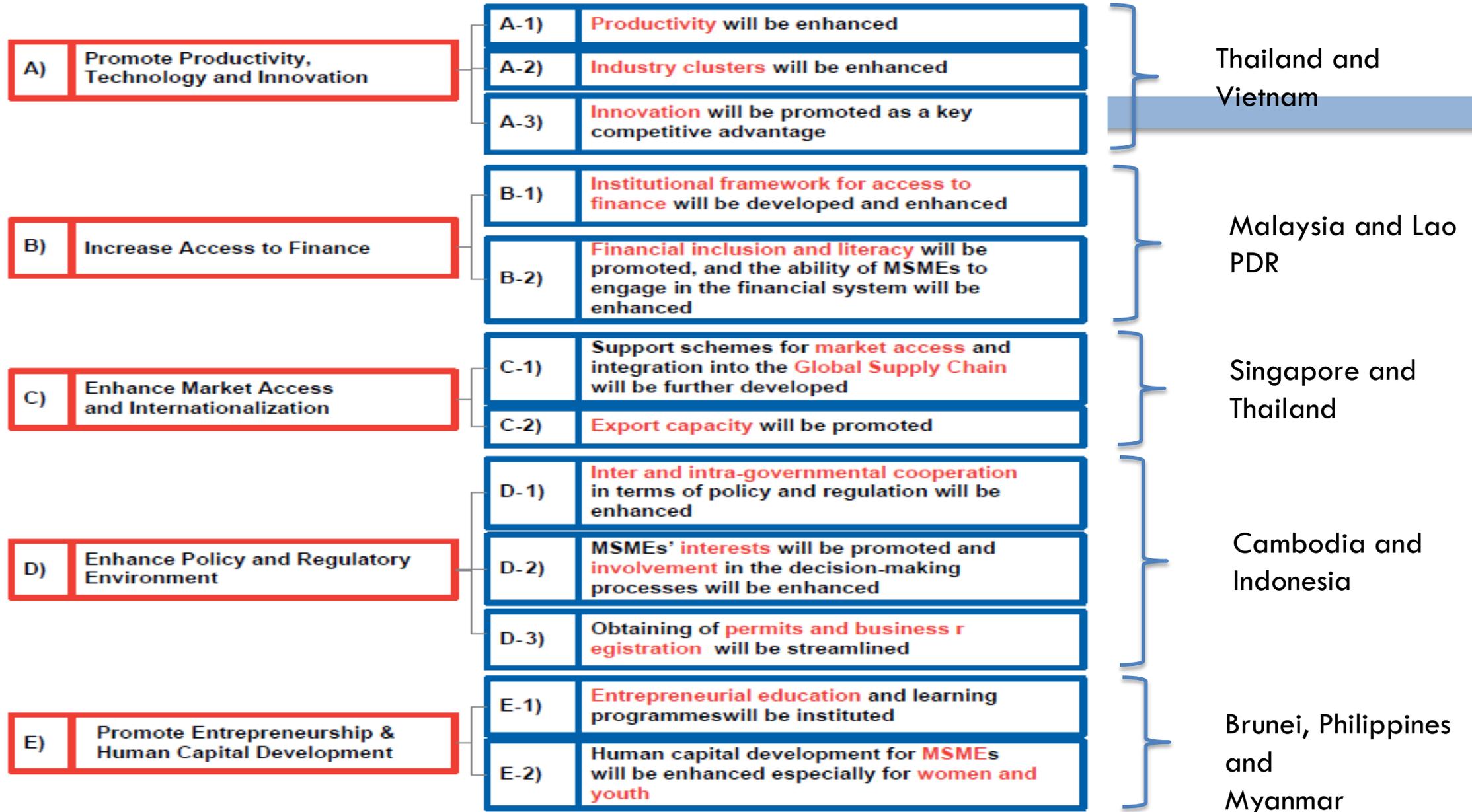
ASEAN Strategic Action Plan for SME Development



STRATEGIC GOALS

DESIRED OUTCOMES

COUNTRY CHAMPIONS



Framing the Role of Manufacturing SMEs in ASEAN Economic Integration

17

- Awareness:
 - AEC
 - AEC Blueprint / Strategic Action Plan
- Globalisation:
 - Trade (Import, Export)
- Impact of AEC:
 - Export Sales
- Policy & determinants

ERIA-ISEAS Survey on SMEs

18

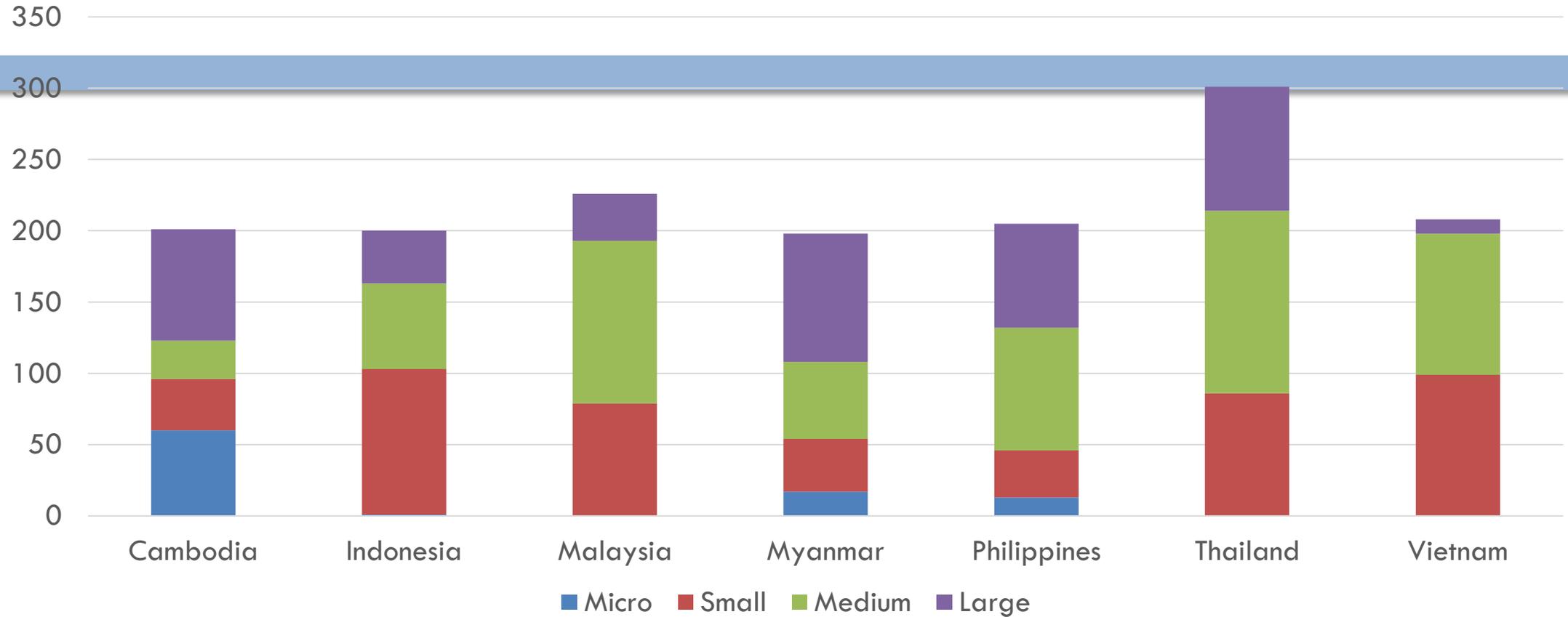
- Two-year project by ERIA-ISEAS on “SME Participation in ASEAN and East Asian Regional Economic Integration”
- Selected ASEAN countries: Cambodia, Indonesia, Malaysia, Myanmar, Philippines, Thailand and Vietnam
- Surveys were implemented in 2015
- Survey covered 200-300 firms in each country drawn from 2-3 + manufacturing industries
- Selection of industries vary across countries – depending on importance of sector for SMEs and exporting

Sample Size and Distribution

19

Country	Micro	Small	Medium	Large	Total
Cambodia	60	36	27	78	201
Indonesia	1	102	60	37	200
Malaysia	0	79	114	33	226
Myanmar	17	37	54	90	198
Philippines	13	33	86	73	205
Thailand	0	86	128	87	301
Vietnam	0	99	99	10	208
Total	91	472	568	408	1,539

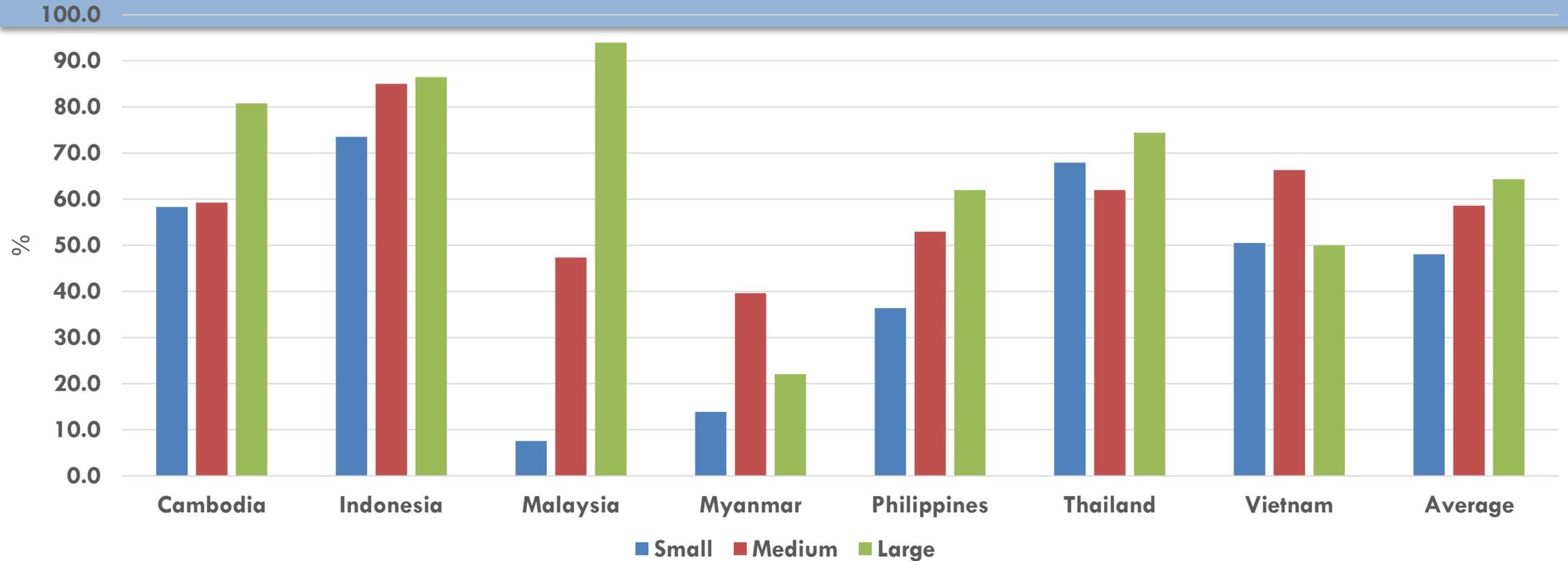
Firm Size Distribution



- Micro: workers ≤ 10
- Small: $10 < \text{workers} < 50$
- Medium: $50 \leq \text{workers} < 250$
- Large: workers ≥ 250

Awareness of ASEAN Economic Community

21



Awareness and Trade with ASEAN

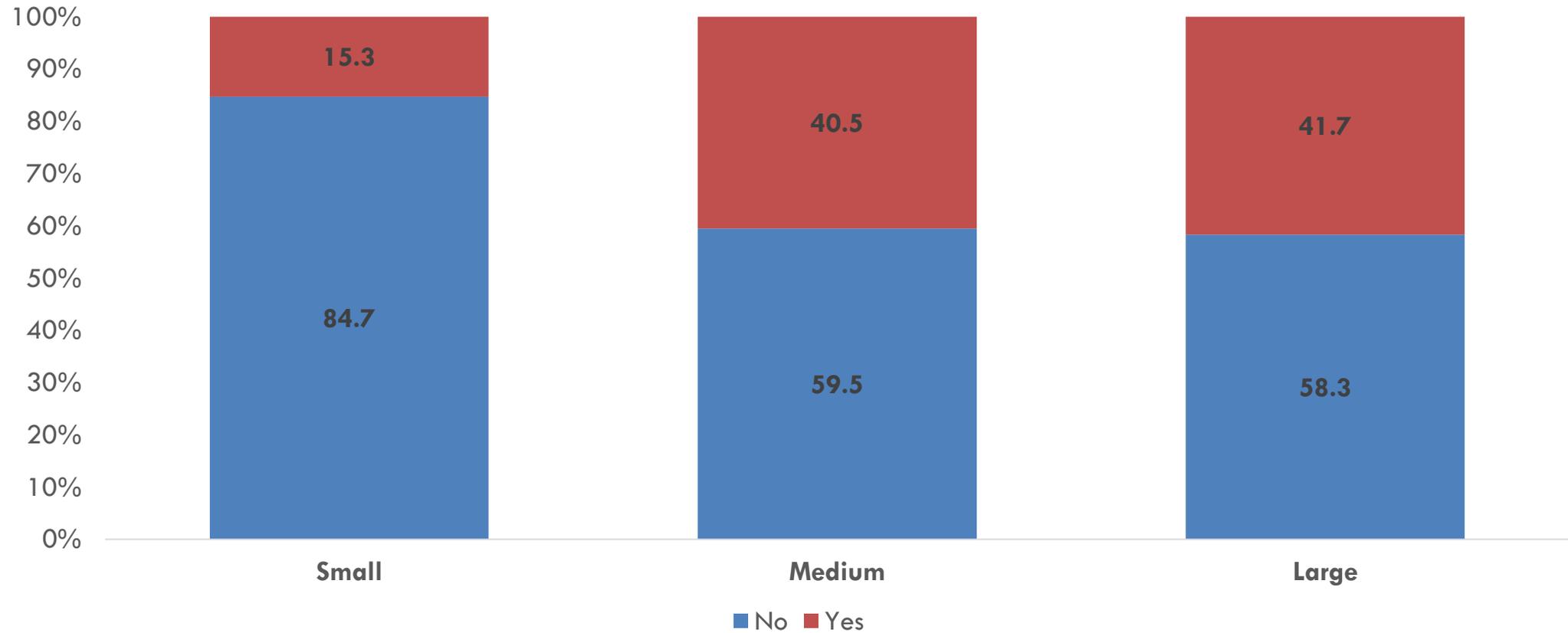
22

- Are firms that trade with firms from other ASEAN countries aware of the AEC?
- Correlation: 0.18

		Trade with ASEAN	
		No	Yes
Awareness of AEC?	No	35%	9%
	Yes	34%	22%

SMEs and Intra-ASEAN Trade: Size Matters ...?

23

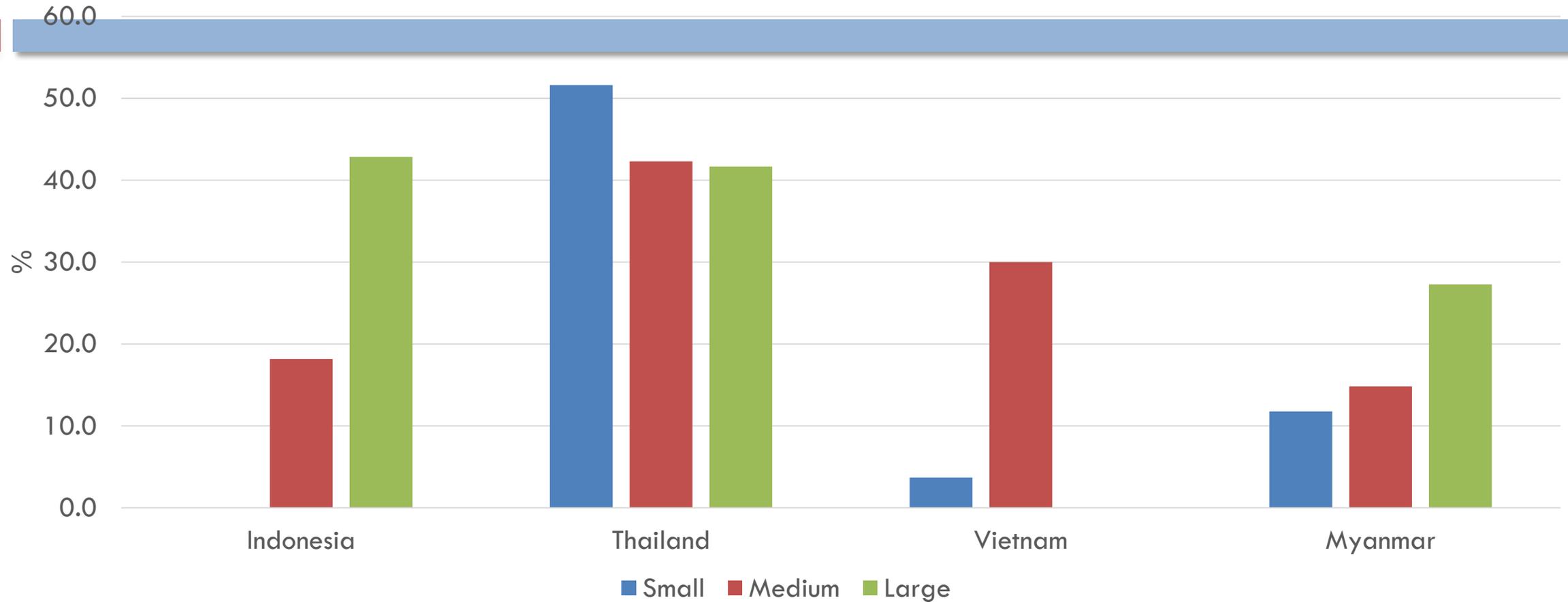


SME and ASEAN Trade

- A more granular look at differences between S,M,L firms:
 - Sector across countries
 - Across sectors within a country
- Two sectors:
 - Food products (domestic, export)
 - Wearing apparel (domestic, export)
- Export and domestic orientations of sectors

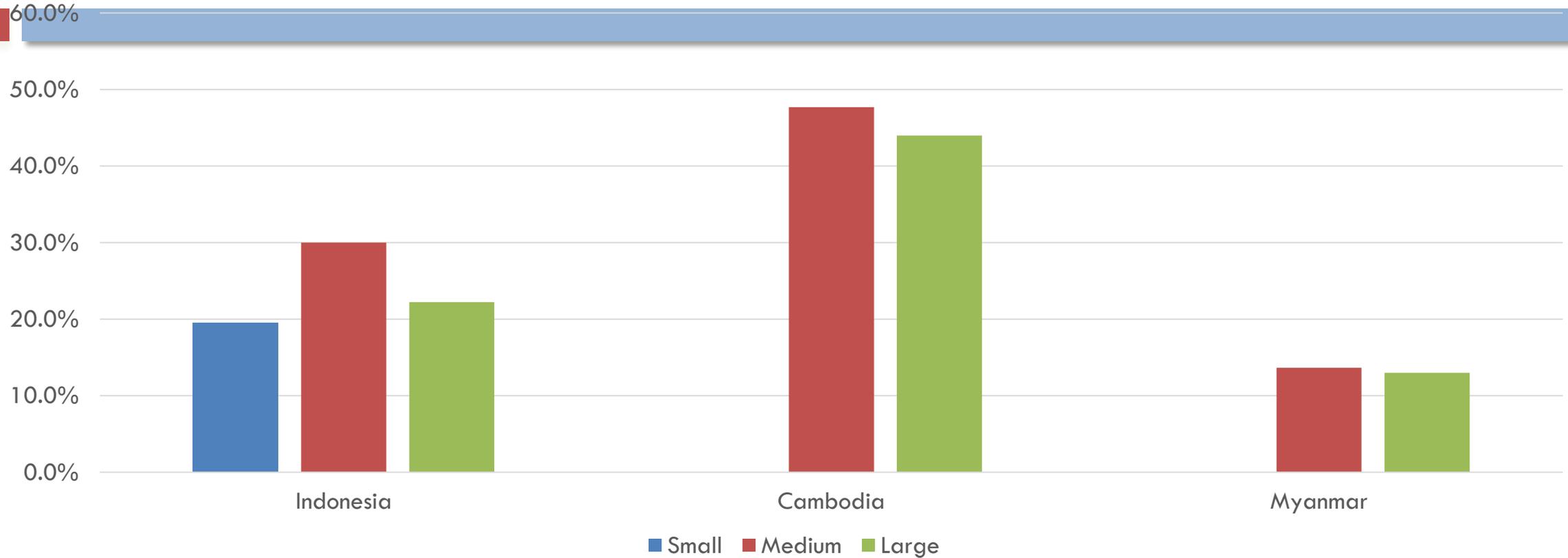
Food Products: % Firms with ASEAN Trade

25

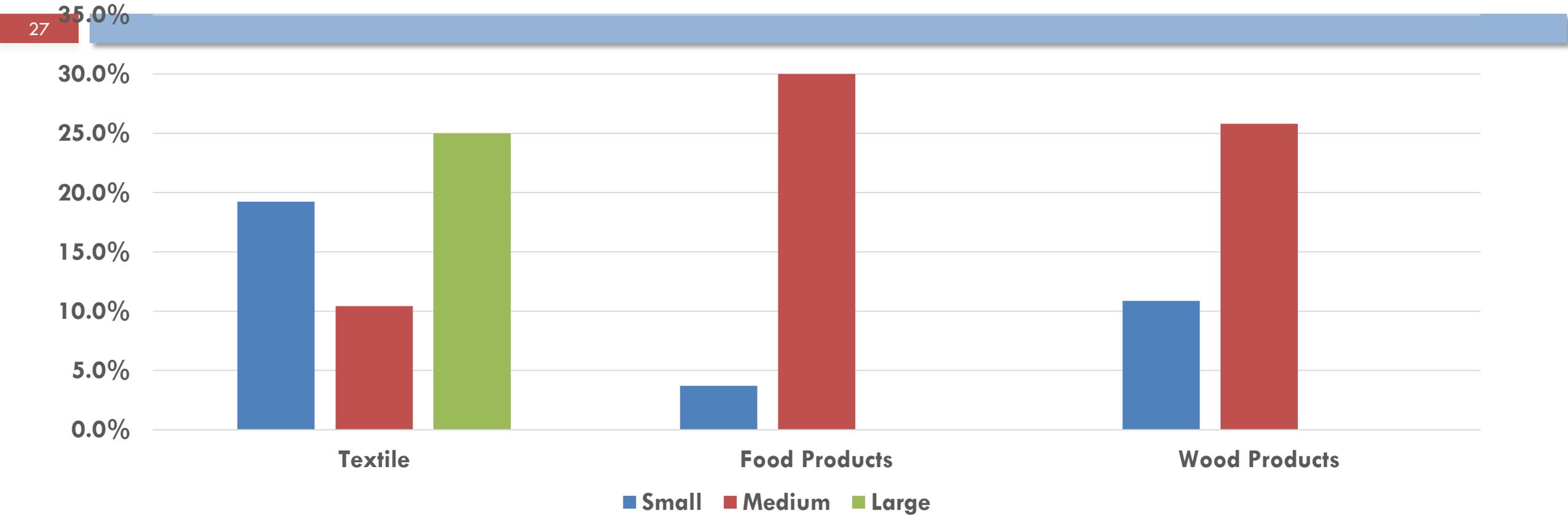


Wearing Apparel: % Firms with ASEAN Trade

26



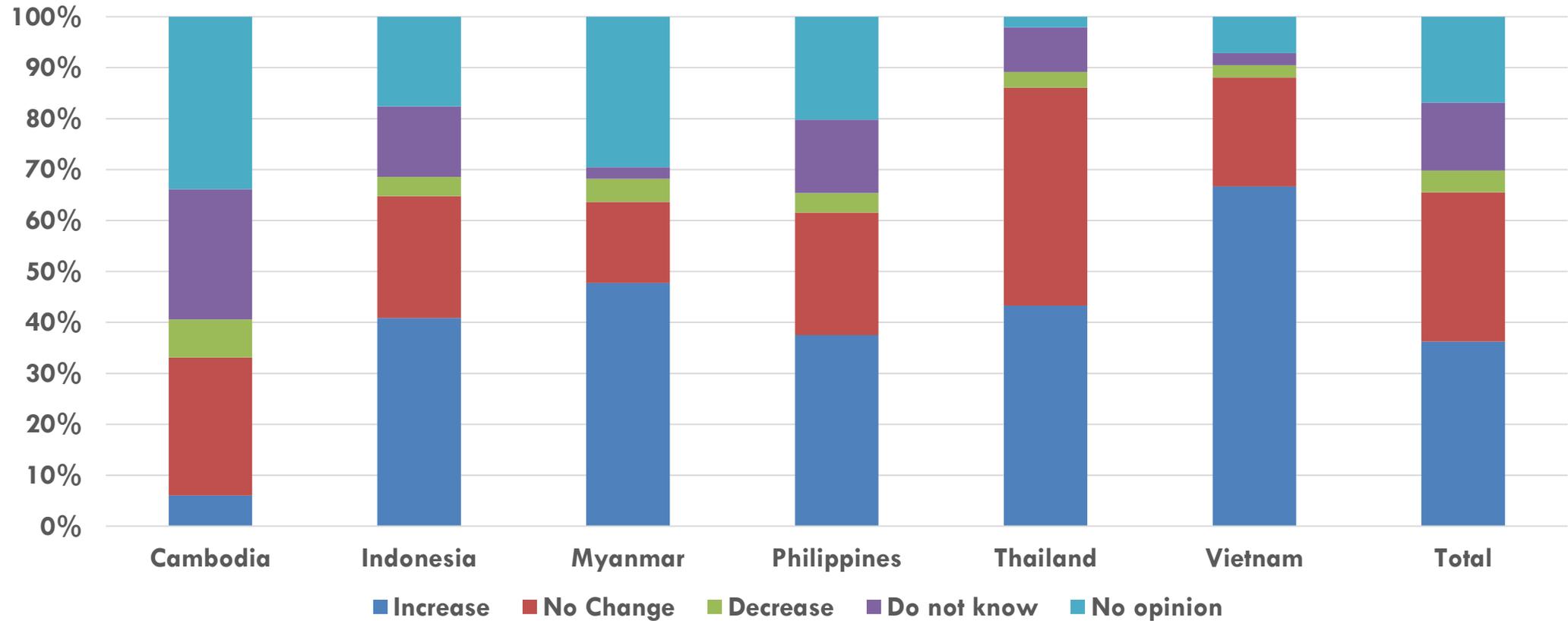
Vietnam: % Firms with ASEAN Trade



Perceptions on Impact of AEC

- Recent doubts about benefits of economic integration
- For firms that are aware of the AEC – what are their perceptions on the impact of the AEC
- Will AEC affect export sales?
 - Good deal of optimism but variations remain
 - Greater uncertainty and less optimism amongst SMEs
- What are the drivers?
 - Tariffs?

Q: How will the AEC affect export sales?



SME Policies & Export Orientation

- A great deal of emphasis on export orientation of SMEs
- Which policy variables are important?
- Are there country and industry specific characteristics?
- Determinants of exporting
 - Foreign participation key esp SMEs
 - Product innovation less important for SMEs
 - SMEs (website) differ from large firms (procurement) in use of internet
 - Govt support crucial (finance, networks)
- Policy variables may vary across sectors:
 - Product innovation for wearing apparel but not food products
 - E-mail for food products
 - Govt support for networks in rubber and plastics

Conclusions

- SME Policy at the ASEAN level is at a relatively nascent stage
- Despite AEC – convergence, single market - national-level SME policies are likely to be more important
- Internationalization of SMEs has become an increasingly important goal
- Beyond internationalization – how are SMEs linked to inclusiveness (employment, wages – distribution)
- To what extent can sectoral and country specifics be accommodated within SME policy in ASEAN?
- Even regulatory burdens are sector-specific, even geographic
- Further research hampered by data availability and quality (access, variables, and informal businesses)

Thank you very much for your attention



Universidad Veracruzana



THE ACADEMIC SECTOR: ROLE IN STRENGTHENING THE COMPETITIVENESS OF MSMES

ESTEBAN ZOTTELE MARIO ALBERTO SANTIAGO ANÍBAL ZOTTELE

CENTRO DE ESTUDIOS CHINA-VERACRUZ

CECHIVER-UV

Vietnam, May 2017

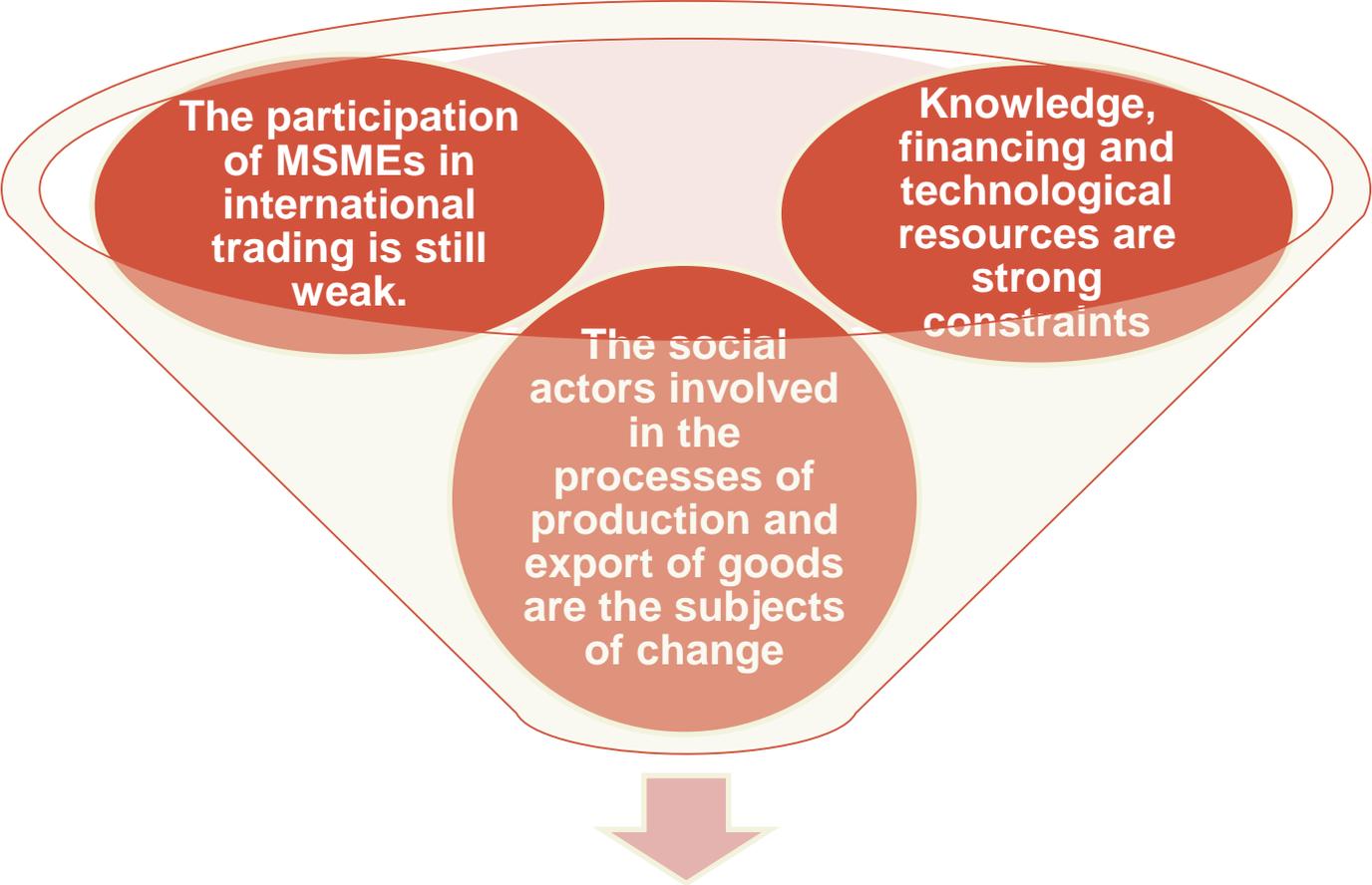
The MSMEs in the APEC Agenda (1)

- Since the creation of APEC, the member economies interest in the international trade of Micro, Small and Medium Enterprises, has been growing year by year. Especially since 1993, MSMEs began to take a greater role in APEC agenda. Later in Vancouver 1998 were created the conditions for a special attention to the MSMEs by the government APEC members.
- In Los Cabos (2002) the instruments for developing MSMEs, were consolidated.
- During the last years APEC has been strengthening the MSMEs by different actions.

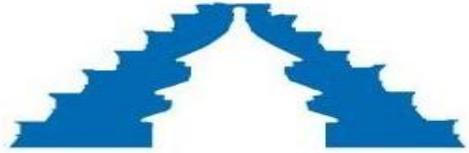
The MSMEs in the APEC Agenda (2)

- Actually MSMEs are considered an essential factor to reach benefits of trading for all society actors.
- If MSMEs are strong and active participant in international trading, that involves:
 - Better income distribution, employment generation and profits participation for more entrepreneurs.
 - They contribute to the regional balances, since MSMEs are the business base for the most distant and vulnerable regions.

MSMEs in international markets



Current situation



In 2010, the export of Mexico was US \$ 298 billion, nine billion dollars, equivalent to 4.5%, belonged to medium-sized, micro and small enterprises. (El Informante, mx, 2016)

In Mexico MSMEs employ 78.7% of the total workers



MSMEs represent 52 % of Mexican GDP

MSMES, as job generators and as integrators of value chains, can improve the structure and mechanisms of imports, contributing to these decisions to improve efficiency and especially to achieve regional impacts, that also impact on the quality of life and the better regional distribution of the population.



It is a great opportunity for Mexican MSMEs to participate in the Chinese market and to carry out productive and commercial joint investors.

Therefore, it is really important to move forward to the diversifying process of the supply of products from China.

For Chinese MSMEs, will be an advantage to be associated with Mexican counterparts, at least for two reasons, first one to achieve the development of their commercial systems in Mexico (exports and imports) and second one to access to that kind of markets without agreements.



In recent years, both Mexico and China have privileged APEC as a trade forum for the development of common policies.

MSMEs represent 60% of the world GDP, representing a great presence in the global economy. So APEC has emphasized the importance of the promotion of MSMEs as essential actors to generalize the benefits of trade, especially since they are the most appropriate tool for employment generation, better income distribution, and as a tool to correct regional and international imbalances.



Veracruz University
China-Veracruz Study Center (APEC Study Center)
Cooperation with MSMEs

Academic institutions have much to contribute to change the lack of the MSMEs participation on international trading.

- They must make an effort to close geographic and cultural distances, to share different social experiences and support MSMEs efficiently working.



Veracruz University
China-Veracruz Study Center (APEC Study
Center)
Cooperation with MSMEs

- With the support of Veracruz University and the China-Veracruz Studies Center (APEC Study Center), some Mexican MSMEs have had the first contacts with their counterparts in China and have been participated in diplomas, courses and business rounds in various sector as: food, beverages, tobacco, coffee, construction, among others.

- Since 2009, the China-Veracruz Studies Center (APEC Study Center) project has been supported by Chinese universities.
- Emphasizing the export of Mexican products to the Chinese market.
- It seeks to establish strategic alliances for the purpose of commercialization and joint investment between Mexican and Chinese companies.
- About 60 companies, students, academics and professionals of the University have been participated in 9 editions.

Conclusions (1)

- Universities need to play a more active role for supporting MSMEs.
- The experience still has many limits, as they are not generalized and has to be improved.
- The experience must be expanded to all APEC member economies.

Conclusions (2)

- Academic institutions can coordinate this kind of events and develop capacity building for these meetings.
- To use involve private sector for the participation of companies in courses APEC Study Center are offering.
- The financial resources available in the system, for strengthening this strategic sector.

- In 2017 The China-Veracruz Studies Center (APEC Study Center), jointly with Renmin University researchers will publish a book focused in MSMEs internationalization.



Universidad Veracruzana



Centro de Estudios
China - Veracruz

THANKS - GRACIAS

*THE ROLE OF A GLOBAL BUSINESS
ALUMNI NETWORK IN ENHANCING THE
GLOBAL COMPETITIVENESS OF SMES*

Dr Lorna Wright

Executive Director, Centre for Global Enterprise

EDC Professor International Business

Schulich School of Business, York University

Toronto, Ontario

Importance of SMEs to APEC Region

- ▣ 49 million MSMEs in APEC region
- ▣ 98% of all enterprises
- ▣ 30% of the employment (60% of private sector jobs)
- ▣ 30% of direct exports
- ▣ 10% of FDI by value and 50% by cases

Priority Areas for SMEWG

- ▣ Entrepreneurship, innovation and the internet and digital economy
- ▣ Financing for business expansion and capability development
- ▣ Inclusive business ecosystem that supports SME growth
- ▣ Market access for SMEs.

SME Challenges in Asia

- ▣ **Lack of resources** (finance, technology, skilled labor, market access, and market information)
- ▣ Lack of economies of scale and scope
- ▣ Higher transaction costs relative to large enterprises
- ▣ **Lack of networks** that can contribute to a lack of information, know-how, and experience of domestic and international markets

SME Challenges in Asia

- ▣ Increased market competition and concentration from large multinational enterprises caused by globalization and economic integration
- ▣ Inability to compete against larger firms in terms of R&D expenditure and innovation (product, process, and organization)
- ▣ Subject to “churning” and instability
- ▣ Lack of entrepreneurial zeal, capacity, and know-how

Major SME Challenges in Canada

- ▣ Lack of incentives to pursue growth and international expansion
- ▣ Shortage of management skills required to achieve high growth
- ▣ Under-investment in technology to enhance productivity and growth
- ▣ Lack of investment in R&D to drive innovation
- ▣ Insufficient access to capital to finance growth (including investments in technology, R&D, and management capacity)

SME Challenges Internationally

- ▣ Firms involved in international trade grow faster and are more profitable
 - ▣ 74% Canadian SMEs not considering expansion outside North America (Aimia 2016)
 - ▣ Why aren't more involved?
 - Lack of knowledge
 - Lack of expertise
 - Lack of connections
 - Lack of funding
 - ▣ Global Business Alumni Network (GBAN) can help with the underlying causes of the fear factor
- 

SME Challenges Internationally

- ▣ Knowledge Barriers
 - Don't know when or where to start
 - Don't have the right local insights or partners
 - Don't know how to navigate regulatory and tariff barriers
 - Don't know how to navigate language and cultural differences
 - Don't have sufficient tax expertise
 - Don't know how to find qualified employees abroad
 - Don't know where to find information on international opportunities
 - Don't know how to source customers overseas
 - Don't know where to find partners or distributors

Personal Connections Matter

- ▣ Business networks (61% services; 63% goods)
 - Government agencies
 - Associates/Peers
 - Private consulting firms
- ▣ Personal networks (30% services; 44% goods)
 - Friends
 - Family members
 - Connections from college/university/high school (24% services & goods)

Idea for GBAN

- ▣ Frustration with number of SMEs with international potential who weren't considering it
- ▣ Awareness that agencies tasked with helping SMEs go global had limited resources
- ▣ Knowledge that these agencies were working in silos and that collaboration would be helpful
- ▣ Realization that business schools have alumni with expertise that wasn't being tapped into

Idea for GBAN

- ▣ Rose from Centre for Global Enterprise, Schulich School of Business
 - Set up to help Canadian SMEs succeed across borders
 - Act as a concierge for SMEs, guiding them through the system
 - Putting “oil in the machine”, helping collaboration between agencies
- ▣ www.schulich.yorku.ca/cge

Global Business Alumni Network

▣ Benefits for SMEs

- Leverage personal connections
- Deepen companies' confidence in their capacity to go global and the perceived benefits
- Access to on-the-ground knowledge and personnel
- Peer-to-peer guidance

▣ Benefits for alumni

- Build their networks
- Tap their passion for an aspect of business or entrepreneurial activity that may lie outside their current job
- Support their school

GBAN Pilot Project

▣ Alumni

- ▣ Schulich School of Business 27,000 alumni around the world
- ▣ Subset 800 IMBA alumni
- ▣ 60 have agreed to participate

▣ SMEs

- ▣ Client companies of organizations such as
 - ▣ Ontario Chamber of Commerce
 - ▣ StartUp Toronto
 - ▣ Canada-China Innovation Network
 - ▣ Vaughan International Commercialization Centre

GBAN Pilot Project

- ▣ Next steps
 - Operating protocols for alumni coaches & client SMEs
 - Selective recruitment to fill gaps in skills inventory
 - Introduce a web-based platform
 - Recruit to expand network of “sourcing” organizations
 - Expand database of coaches to include additional Schulich cohorts
 - Formalize operating processes and protocols

GBAN – Future

- ▣ Link to other business school alumni networks in Canada
- ▣ Link to other business school alumni networks in APEC region
- ▣ Become truly global

We are just at pilot testing stage and welcome your input

Thank you

Factors Affecting the Business Success of Small and Medium Food Enterprises in the Philippines

Elaine Q. Borazon, PhD

Department of Hotel, Restaurant, and Institutions Management

University of the Philippines-Diliman

APEC Study Center-Philippines

Outline

1. Introduction
2. Review of Literature
 - 2.1. Resource-based Theory
 - 2.2. Institutional Theory
3. Methodology
 - 3.1. Sampling and Data Collection
 - 3.2. Research Instrument
 - 3.3. Data Analysis

Outline

4. Results

5. Discussion

6. Conclusion, Limitations, and Directions for Future Research

1. Introduction

- Factors contributing to business success of small and medium enterprises (SMEs) in the Philippines
- Resource-based theory and institutional theory
- Multi-faceted perspective of business success (Baum, Locke, & Smith, 2001; Chrisman, Bauerschmidt, & Hofer, 1998; Lumpkin & Dess, 1996)
- Identification of specific factors affecting business success would aid strategy managers and policymakers craft strategies and policies

1. Introduction

Small enterprises = total asset value of PhP 3 – 15M
= 10-99 employees

Medium enterprises = total asset value of PhP 15 -100M
= 100 to 199 employees

Small and Medium Enterprise Development (SMED) Council Resolution No. 01
Series of 2003 dated 16 January 2003 (DTI, 2008)

1. Introduction

- MSMEs = 99.57 % of all registered business (NSO, 2011)
 - = 25% → total exports revenue (DTI, 2011)
 - = 61.02% → total jobs generated
- Small enterprises = 8.5% (NSO, 2011)
 - = 25.88% → total jobs generated
(NSO, 2011)
- Medium enterprises = 0.40% (NSO, 2011)
 - = 7.12% → total jobs generated
(NSO, 2011)

1. Introduction

Philippine food manufacturing MSMEs

- 41.31 % of the total manufacturing MSMEs
- 6.62% → food manufacturing SMEs

Total workforce in food manufacturing industry= 303,322; 30% from food manufacturing SMEs

Small and medium accommodation and food service sector:11%; contributes 51.64 percent workforce

(Source: NSO, 2011)

1. Introduction

Importance of SMEs

1. Support competitive and flexible markets through ease of entry and exit(TID, 2009)
2. Contribute to poverty alleviation (TID, 2009)
 - Indonesia's SMEs- employ 90% of workforce (Tambunan, 2008)
 - Vietnam's SMEs - employ 97% of workforce (Tran, Le, & Nguyen, 2008).
 - Australia 's SMEs - employ >50% of workforce (Husband & Mandal, 1999)
3. Have high share in supply of raw materials to large food processing manufacturers and fast food chains (JICA, *et al.*, 2004)

1. Introduction

Constraints of small businesses

1. Lack of ability to continuously supply large quantities (JICA, *et al.*, 2004)
2. Lack of product quality (Singh and Garg, 2008)
3. Availability of inputs (Aldaba, 2008)
4. Lack of access to information, markets, finance, institutional support, and technology (Mead & Liedholm, 1998; Swierczek & Ha, 2003; Aldaba, 2008)

Despite all these limitations, some SMEs are still successful in the business arena. Their success will depend on the strategic choices of the business owners and are affected by the interplay of economic, socio-cultural, technological, and political factors (Blackman, 2003).

1. Introduction

1.1 Research Question

What factors influence the success of food manufacturing SMEs in the Philippines?

2. Review of Literature and Hypotheses Development

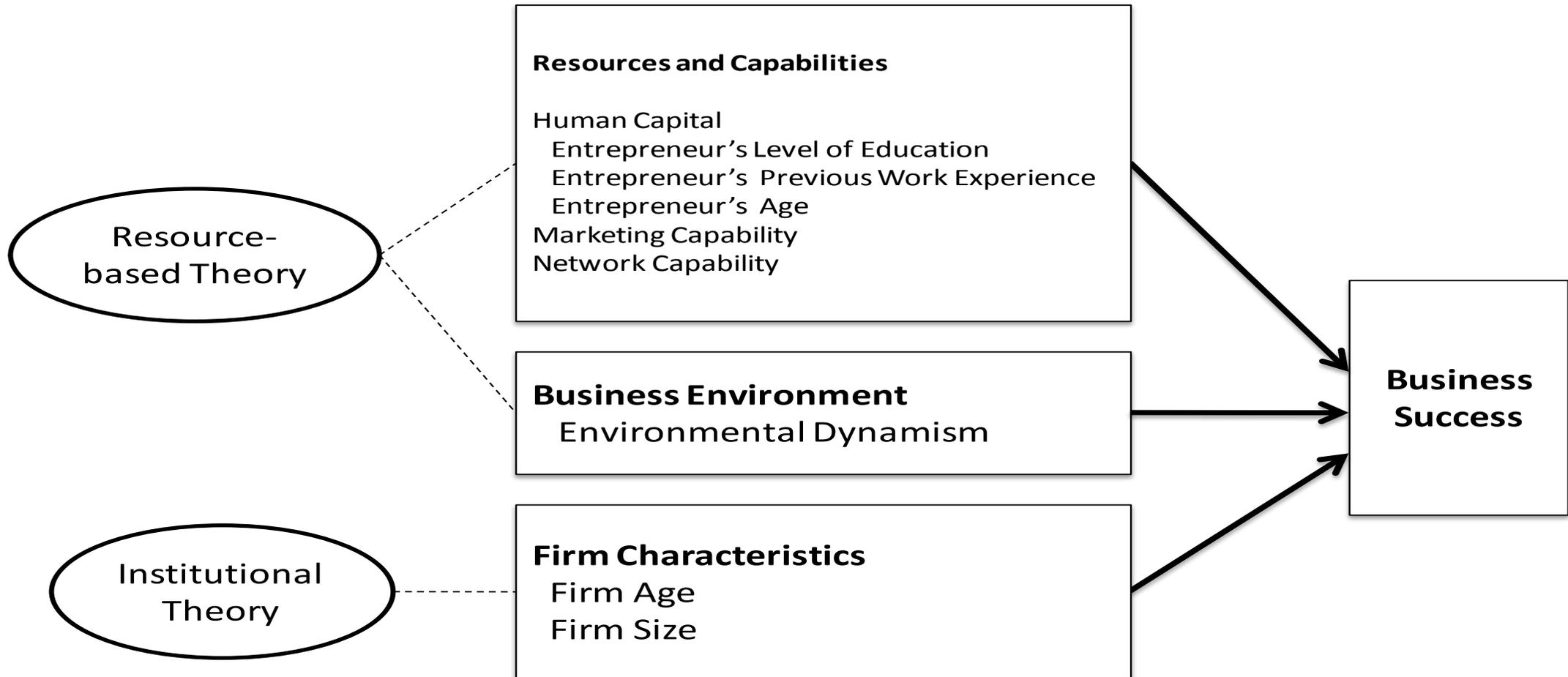


Figure 1. Conceptual framework

2.1 Resource-based theory

- organizations → endowment of resources (Rangone, 1999)
- Business success and differences in performance ← resources and capabilities having unique characteristics to the firm (Galbreath, 2005; Wernerfelt, 1984)

Firm resources

- (Amit and Schoemaker, 1993)
“stocks of available factors that are owned or controlled by the firm”
- (Barney, 1991)
‘assets, capabilities, organizational processes, firm attributes, information, knowledge, etc. that allow the firm to develop strategies benefiting its efficiency and effectiveness’

2.1 Resource-based theory

Capabilities

Capabilities

- refer to abilities of the firm to utilize resources through a set of coordinated activities to achieve a desired objective (Amit and Shoemaker, 1993; Helfat and Peteraf, 2003; Day, 1994)

Capabilities-based advantages = durable resources because of their scarcity, immobility, and inimitability (Reed and De Fillippi, 1990)

- Empirical studies: Wie and Wang, 2011; Capron and Hullan, 1999; and Moorman and Rust (1999)

2.1 Resource-based theory

Environment

- Physical and social factors which must be considered when making decisions (Duncan, 1972)
- **Dimensions:** munificence, dynamism, and complexity (Baum, et al., 2001)
- Resources of the firm can become valuable if the firm is able to neutralize threats or exploit opportunities (Barney, 1991; Sirmon et al., 2007).

2.1 Resource-based theory

Environment: Dynamism

- unpredictable changes and factors which increase uncertainty for organizations (Dess and Beard, 1984)
- Market demand changes, industry structure, and environmental shocks (Dess and Beard, 1984; Sirmon et al., 2007)
- Uncertainty → information deficit w/c affects how firms create value out of their resources (Sirmon et al. 2007), →decision-making difficulty and severe incorrect strategic decisions (Rosenbusch et al., 2007).

2.2. Institutional Theory

- firms will behave in ways that will not make them distinct from their environment due to isomorphic* pressures (DiMaggio and Powell, 1983).
- Organizations will adopt strategies which are legitimated externally to prevent their behavior from being questioned (Meyer & Rowan, 1977).
- Firms imitate more successful/more legitimate/most profitable firms (Haveman, 1993; DiMaggio and Powell, 1983; Burns & Wholey, 1993)
- Providers of resources would usually support legitimate firms (Stinchcombe, 1965; Zimmerman, and Zeitz, 2002).
- Thus, legitimacy⁺ stimulates success and survival of organizations (Meyer and Rowan, 1977).

*isomorphism = process of interaction that forces one thing to resemble another or other things that face the same conditions (DiMaggio and Powell, 1983)

⁺ Legitimacy - judgment of acceptance or desirability (DiMaggio and Powell, 1983)

3. Methodology

3.1 Sampling and Data Collection

- Convenience sampling: food manufacturers; food service outlets
- Respondents: directors, managers, or owners of food manufacturing /food service SMEs
- National Capital Region (Manila, Quezon City, Caloocan, Pasay, Pasig, Makati, Mandaluyong, Marikina, Valenzuela, Muntinlupa, Paranaque, Las Pinas, Malabon, Navotas, Taguig, San Juan), MIMAROPA (Palawan), Bicol (Sorsogon City, Naga City), Central Luzon (Pampanga, Nueva Ecija, Bulacan), Ilocos region, CALABARZON (Cavite, Laguna, Rizal, Batangas), and SOCCSKSARGEN (Cotabato City, General Santos, Sultan Kudarat), and Davao region
- Email, in-person interviews, self-administered survey
- Sample size: 233

3. Methodology

3.2 Research Instrument Questionnaire

Part I: Demographics

Part II: Dependent variables - Measures of business success
(Perceptual, net income growth, payback period)

Part IV and V: Independent variables (marketing capability,
network capability, environmental dynamism, firm age, firm
size)

3. Methodology

3.2 Research Instrument

Dependent variable

- Subjective measure of business success: satisfaction or dissatisfaction on net income growth of the business, on time needed to reach break-even point (payback period), and on firm's profitability relative to their competitors
- Objective measures: percent growth in net income and payback period

3. Methodology

3.3 Data Analysis

- Harman's single-factor (one-factor) test: common method bias
- Structural Equation Modeling (SEM)
 - the study involves multiple constructs represented by several measured variables;
 - SEM can represent latent variables in the dependence relationships;
 - the reliability and validity of indicator variables associated with the latent variables can be assessed; and
 - SEM has the advantage of correcting for measurement error in the latent constructs (Hair et al., 2010)
- SPSS and AMOS version 20

3. Methodology

3.3 Data Analysis

- Convergent validity: factor loadings, critical ratios
- Construct reliability or internal consistency
- Discriminant validity
- Model fit: Root Mean Square Error of Approximation (RMSEA), Normed Chi-square (CMIN/df), and Comparative Fit Index (CFI)

4. Results

4.1 Data Description

Table 2. Demographic characteristics of the respondents (n= 233)

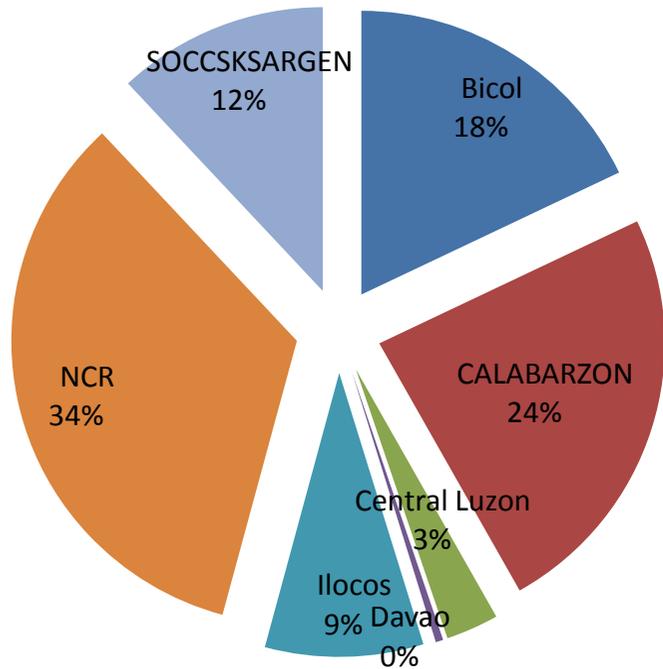
Characteristics	Minimum	Maximum	Mean	Standard Deviation
Age of Owner/manager	18 yrs old	82 yrs old	45	13
Number of years of previous work experience				
Firm Age	0 yrs	45yrs	12	10
Number of employees	0 yrs old	84 yrs old	14	15
	3	320	22	33

Characteristics	Frequency	Percent
Gender of Owner/Manager		
Female	143	61
Male	90	39
Type of Business		
Food Manufacturing	170	73
Food Service	64	27

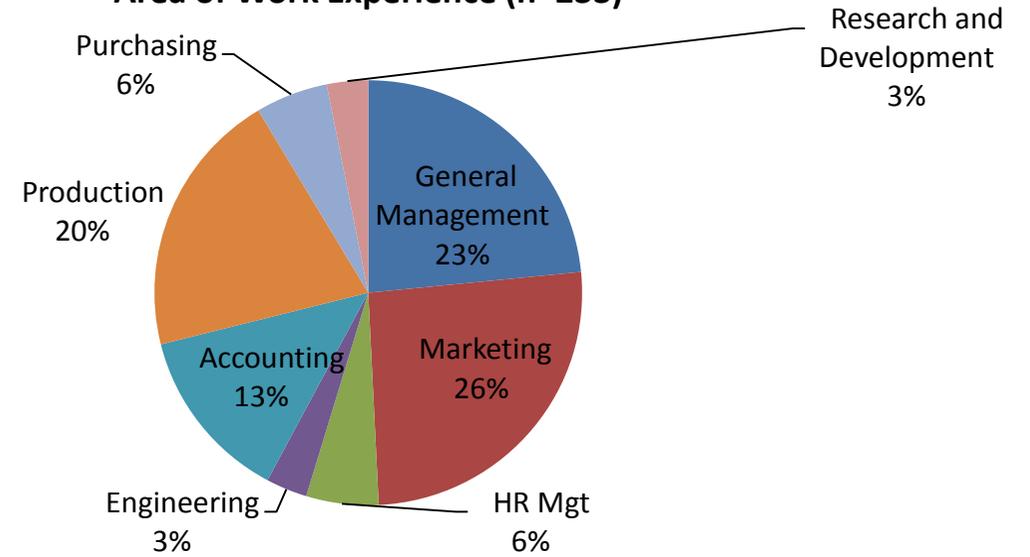
4. Results

4.1 Data Description

Distribution of Respondents by Location (n=233)



Distribution of Respondents by Area of Work Experience (n=233)



Distribution of Respondents by Business Registration Status (n=233)

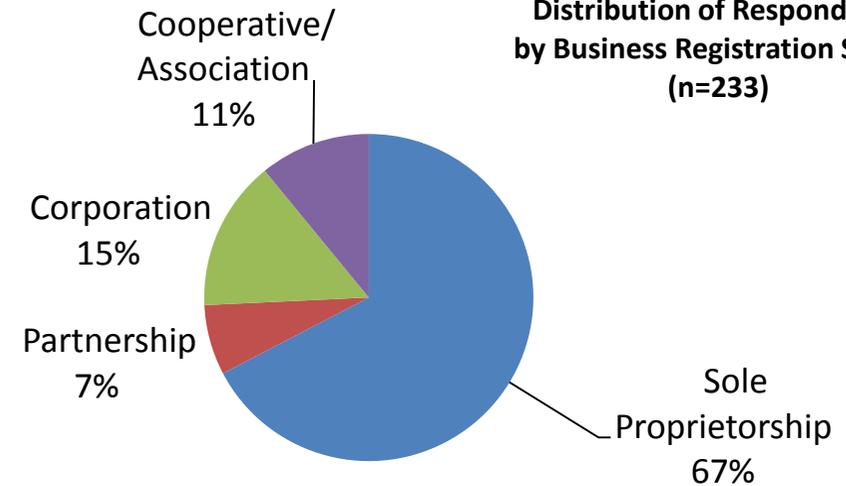
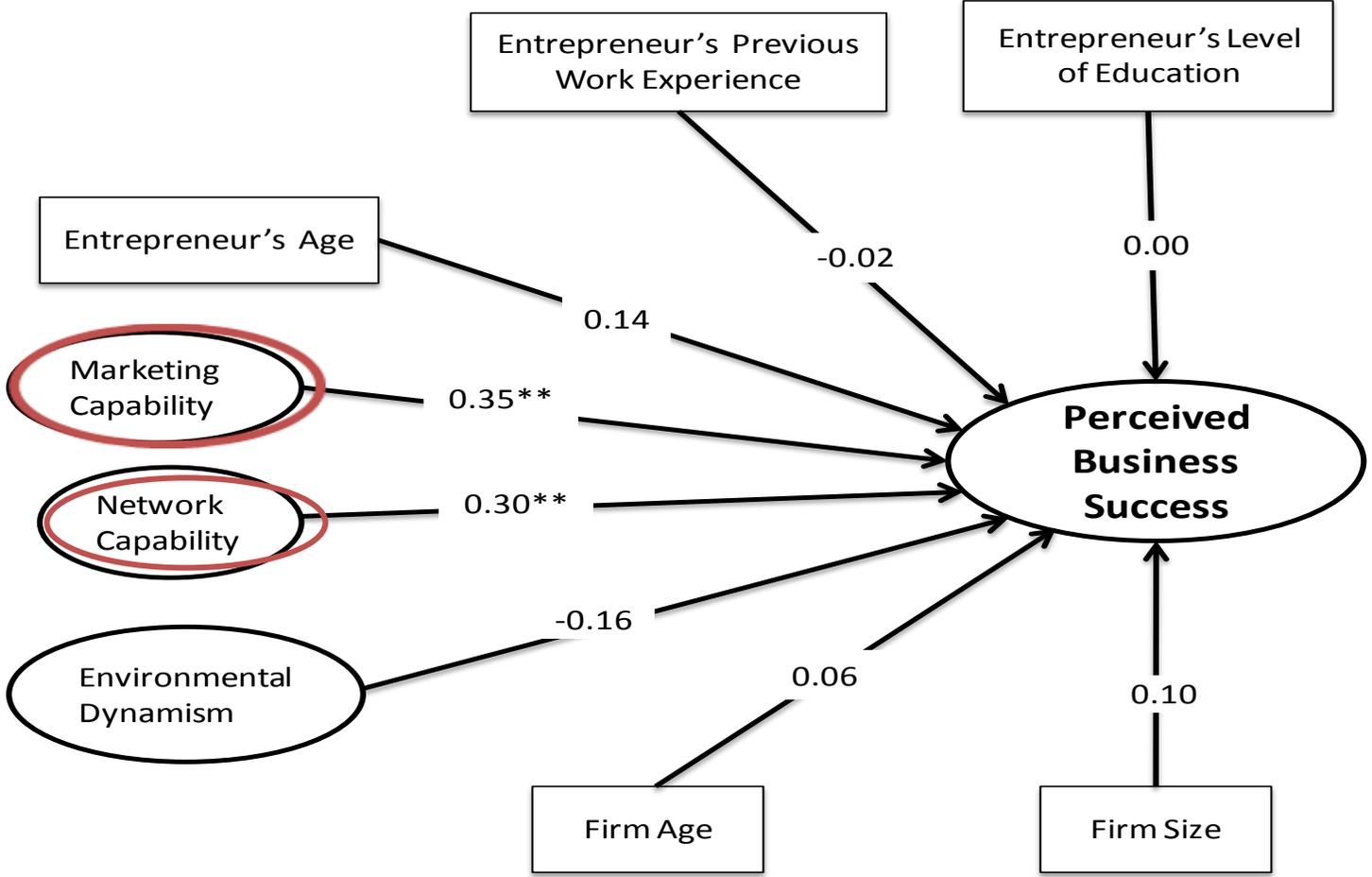


Figure 2. Demographic characteristics of respondents

4. Results

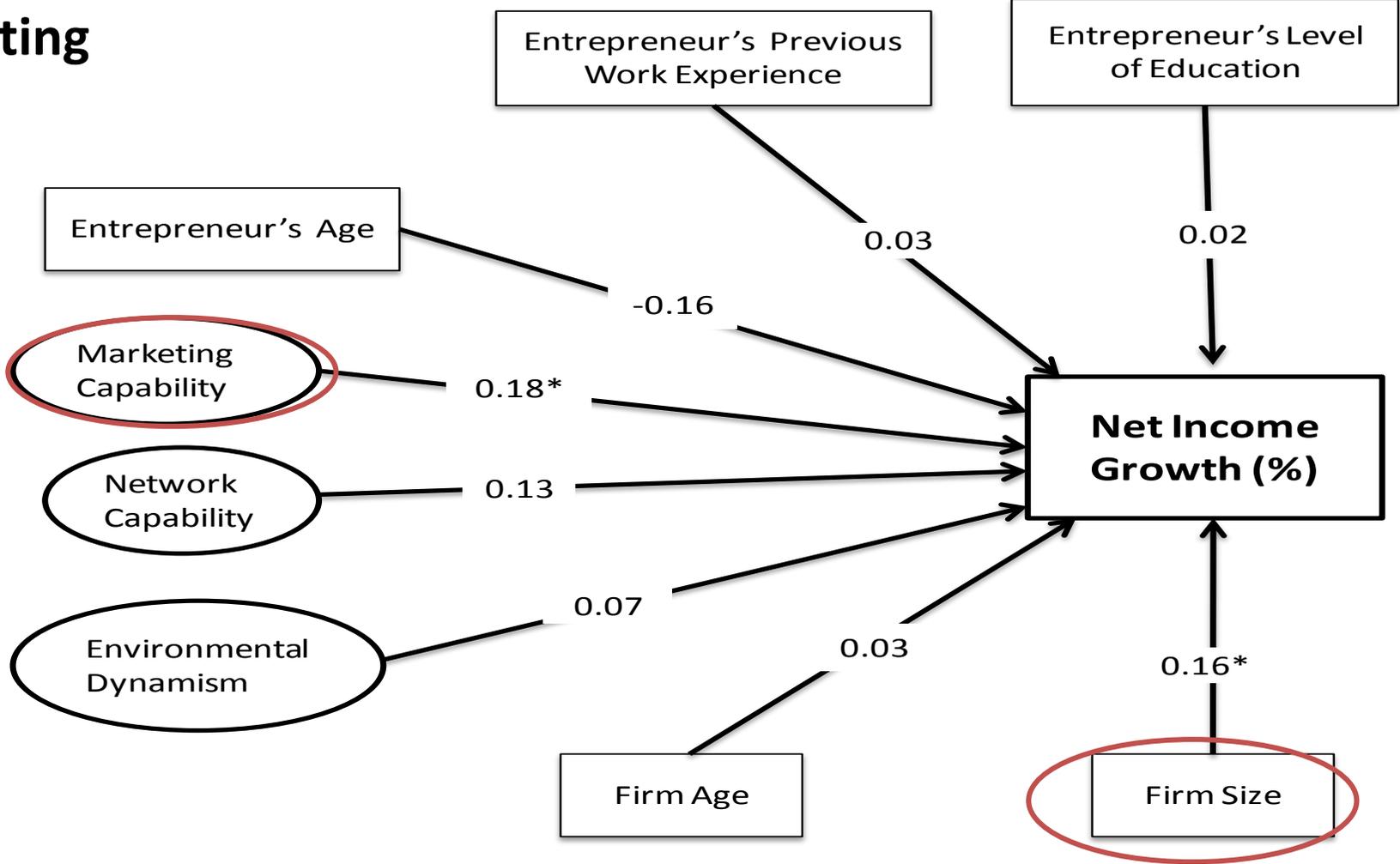


** significant t p<0.01

Figure 2. Structural regression model 1 (Y=perceived business success)

4. Results

4.3 Theory Testing

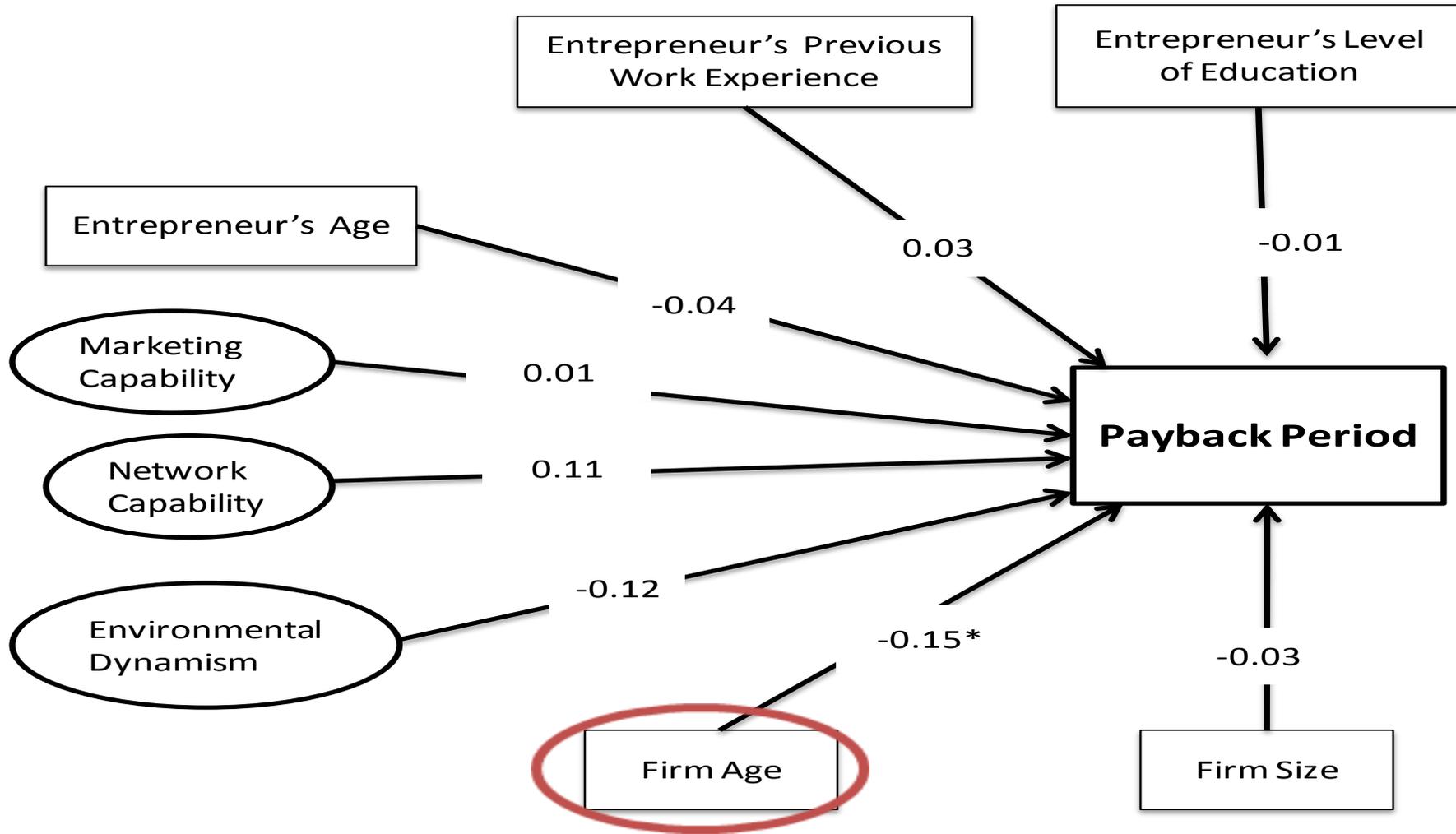


* significant t p<0.05

Figure 3. Structural regression model 2 (Y=Net income growth)

4. Results

4.3 Theory Testing



* significant t p<0.05

Figure 4. Structural regression model 3 (Y=Payback period)

5. Discussion

5.5 Implications

Managerial implications

- Strategy managers should continually develop the resource bases and capabilities of their firm and conform to the rules and expectations of other stakeholders, the general public, and the government.
- Managers can focus on developing marketing strategy development processes and execution and 'marketing mix' processes (Morgan et al., 2009)
- Network capabilities can be enhanced by focusing on the firm's relational skills, coordination activities, partner knowledge, and internal communication.

5. Discussion

5.5 Implications

Managerial implications

- Managers should strive for legitimacy by acquiring accreditations such as GMP (Good Manufacturing Practices, ISO (International Organization for Standardization), HACCP (Hazard Analysis and Critical Control Point), and GAP (Good Agricultural Practices) from the government and other regulatory bodies.

5. Discussion

5.5 Implications

Policy implications

- SME development can be done by enhancing the firm's network and marketing capabilities through international trade exhibitions, trade missions, and assistance to exports (ERIA, 2014).
- Government institutions should have good governance and simplified legal and regulatory frameworks to increase regulatory compliance among small and medium enterprises.
- Government can provide technical assistance to young or newly-established small and medium enterprises (e.g. acquiring accreditations such as in the area of GMP, HACCP, ISO, and other environmental certifications)

6. Conclusion, Limitations, and Directions for Future Research

- The study was designed to determine the factors affecting the business success of small and medium food enterprises in the Philippines on the basis of resource-based theory and institutional theory.
- Empirical findings suggest that in general, the firm's marketing and network capability, firm age, and firm size positively affect business success of small and medium food enterprises.
- Findings show the complementarities of resource-based theory and institutional theory in predicting business success of small and medium food enterprises in the Philippines and that their business success has to be viewed from a multi-faceted perspective.
- Provide a guide for strategy managers on which key variables to prioritize to enhance business success and for policymakers on which specific areas to improve when crafting support interventions to enhance the development of SMEs.

6. Conclusion, Limitations, and Directions for Future Research

- Other sources of human capital such as the firm's employees and other members of the top management should be taken into consideration
- There may be other more factors that may lead to business success of small and medium food enterprises but were not considered in this research. Variables such as personality traits, motives of the entrepreneurs, competencies, and competitive strategies (Baum et al., 2001) can also be included.
- conclusion from the study is industry- and size-specific. Testing the theoretical model with other industries and firm size is recommended
- results of the study should be accepted with caution due to small sample size
- Research is needed to focus on SMEs in other industry and regions of the country.
- Cross-cultural research can also be done to develop a generalizable model for factors affecting the business success of small and medium enterprises.

Acknowledgement

➤ Funded by NEDA-PIDS Phil. APEC Study Center Network