



**Asia-Pacific  
Economic Cooperation**

**INTERNATIONAL WORKSHOP  
“IMPROVING ENERGY EFFICIENCY IN THE  
APEC MINING INDUSTRY”**

21, 22, 23 October 2004  
Santiago Chile

**Conclusions and Main Lines of Action**

**WORKSHOP**  
**IMPROVING ENERGY EFFICIENCY IN THE APEC MINING INDUSTRY**

Santiago, Chile October 21-23, 2004  
Radisson Hotel, Ciudad Empresarial

***CONCLUSIONS AND MAIN LINES OF ACTION***

The workshop held on October 21-23, 2004 in Santiago, Chile, was the result of a project submitted by the Expert Group on Minerals and Energy Exploration and Development (GEMEED), jointly with the Expert Group on Energy Efficiency and Conservation (EGEE&C). Participants came from government, industry and academia of APEC economies.

Workshop delegates agree on the following conclusions and lines of action in relation to energy efficiency in mining:

**1. Continuity of work on energy efficiency in the APEC mining industry**

The improvement of energy efficiency in mining is a task that requires continuity in its development, congruence between objectives and activities, and concerted actions by government, industry and academic and research institutions. Two work areas were identified as having priority:

- ***Harmonise energy efficiency indicators used in APEC economies.*** This task will permit the development of projects having a solid and comparable definitional base.
- ***Identify a project related to the use of “best practices in energy efficiency in the APEC mining industry”,*** that can be carried out jointly with the mining industry and other EWG expert groups, and in a time frame of two to five years.

**2. Energy security and the right to energy efficiency**

Workshop participants consider that energy efficiency is a public good of a global nature, as it essentially contributes to the environment. The inverse equation between energy intensity and development must be examined and solved, linking the improvement in energy efficiency with energy security and development. The goal is to have a secure supply of energy in the medium and long term, while at the same time have more and better tools for humanity's development.

**3. Generation of an energy efficiency policy in mining as part of the contribution of mining to sustainable development**

Delegates consider important that the concept of increased energy efficiency be incorporated in public policy, both in the mining and energy sectors, as well as in sustainable development.

#### **4. Energy efficiency research and development**

Workshop participants consider that energy efficiency research and development is a key element that will provide greater sustainability to the mining industry. Therefore, APEC economies should reinforce their energy efficiency programmes.

#### **5. Recommendations for GEMEED**

Given the good results obtained in the workshop, delegates considered indispensable that GEMEED give continuity to this work, recommending that it:

- *Continue to develop projects and work programmes that relate mining and energy efficiency*, fulfilling the mandate in its terms of reference.
- *Foster the joint work of industry, government and academia*, for a better generation and implementation of future programmes and work related to energy efficiency in mining.

Tomás Astorga  
Chair  
GEMEED - APEC

Santiago de Chile, 23rd October 2004.