



Key elements

- Joint private-public sector collaboration involving Australia, Canada, China, India, Japan, Republic of Korea and United States of America
- Address the challenges of climate change, energy security and air pollution in a way that encourages economic development and reduces poverty
- Eight Task Forces: Cleaner Fossil Energy, Renewable Energy and Distribution Generation, Power Generation and Transmission, Aluminium, Building and Appliances, Cement, Coal Mining and Steel





Cleaner Fossil Energy Task Force

- PCC of carbon dioxide is a key low emission technology for power stations. The timetable and scale of deployment of PCC technology at existing and new power stations, and the development of sequestration sites, will be key factors in determining the achievable level of GHG reductions.
- The CSIRO is involved in the PCC Technology project to provide the research and pilot trials that are needed to support the commercial deployment of PCC.
- Pilot trials will be conducted at power stations in Australia and China.





Aluminium Task Force

- A project involving Rio Tinto and the Aluminium Council is seeking to reduce PFCs (perfluorocarbon) emitted during the aluminium smelting process.
- PFCs have global warming potential several thousand times stronger than CO₂ and atmospheric lifetimes over 10,000 years.
- The project will identify technology and practices for reducing PFC emissions, and undertake training on implementing computer monitoring and quality control techniques.
- In March 2007 Australia conducted a workshop that demonstrated how Australian smelting operations reduce emissions of PFCs.
- Two facilities in China have been identified for pilot demonstrations of comprehensive PFC emission reduction systems.





Cement Task Force

- Cement production is a highly energy-intensive process: energy constitutes 40 per cent of cement production costs. Globally the cement industry emits about 2.2 billion tons of CO₂ per year.
- The Cement Centre of Excellence project will educate cement industries on environmental best practice.
- This Centre will conduct technical workshops, scholarships and skilled worker exchanges that will help spread best practices and best emerging technologies in areas of energy reduction, reducing cement plant greenhouse gas emissions and in better utilizing alternate fuels.

