

# ALUMINIUM TASK FORCE

**Presented by: Drew Clarke**  
**on behalf of John Hartwell, Aluminium Taskforce Chair**

**Ministerial meeting**  
**15 October 2007**  
**New Delhi, India**



# Aluminium Task Force Meetings

- **Berkley California – 18-21 April 2006 (Meeting 1)**
  - **Commenced developing Action Plan**
- **Beijing, China - 18 May 2006 (Informal)**
  - **Industry signed an MoU to underpin many of the AP6 initiatives**
- **Beijing, China – 21 March 2007 (Meeting 2)**
  - **Perfluorocarbons (PFCs) and Bauxite project technical workshops attended by over 200 participants**
- **Next meeting to be held in Hyderabad India in conjunction with INCAL '07**



# Aluminium Task Force Projects

**Seven project proposals are included in the Action Plan:**

- 1. Benchmarking the Aluminium Industry**
- 2. Management of PFC Emissions**
- 3. Management of Bauxite Residues**
- 4. Processing of High Silica Bauxites**
- 5. Fluoride Emissions Management**
- 6. Aluminium Recycling**
- 7. Linkages to Technology Providers (completed)**



# Flagship Project 1: Management of Bauxite Residue (Red Mud)

- **Aim:** To identify and develop viable technologies and practices for managing bauxite residues ("red mud") to reduce the reliance on stockpiling and storage
- **Issue:** Bauxite residue pose environmental risks because of their highly alkaline nature and the presence of trace amounts of radionuclides
- **Methodology:** Review current practices, develop best practice residue management technologies and conduct pilot trials



**Lead Partner:** Australia

**Participating Partners:** China and India

**Locations:** Australia, China, India

# Flagship Project 2: Management of PFC emissions

- **Aim:** To enable all primary production facilities to identify and implement cost-effective and technically feasible opportunities to minimise PFC emission during smelting
- **Issue:** PFCs have global warming potential several thousand times stronger than CO<sub>2</sub>
- **Methodology:** Develop a comprehensive PFC emission reduction system, conduct a study tour of a facility that utilises appropriate PFC management systems and undertake pilot demonstrations



**Lead Partner:** United States of America (USA)

**Participating Partners:** Australia, China

**Locations:** USA, Australia, China,

