

Preparation activities in Japan for Partnership EXPO

1. Outreach to potential participants from Japan

- 28 CMM Project Network Members (21 organizations) in Japan

(NEDO, JCOAL, Univ. of Tokyo, Hokkaido Univ., Sojitsu, JGC, MHI, IHI, KHI, Toyo Engineering, Toyo Energy, Mitsui Mining Engineering, Mitsui Mining, Taiheiyou Kouhatsu, Mitsubishi Materials, CoalinQ, DIA Consultants, SuncoH Consultants, JBIC, Gas and Power Investments, Marubeni.)

- 22 CDM Stakeholder organizations (Trading Companies, Financing Institutions, etc.)

- Several companies are interested in participation to the EXPO
 - 1 trading company has expressed its willingness to sponsor the EXPO
 - 2 groups are interested in the presentations in the EXPO

2. Update of Technology Database (Japan) : 10 technologies (Feb 2007)

| Gas Engine | | |
|--|--|---|
| TECHNOLOGY | CONTACTS | DESCRIPTION |
| Gas engine power generation system | Mitsubishi Heavy Industries, Ltd. | World's highest generation efficiency level gas engines. Investigating the application of CMM and VAM. |
| Gas engine power generation system | Ishikawajima-Harima Heavy Industries Co., Ltd. | High efficiency gas engine for CMM and VAM. |
| Gas engine power generation system | Mitsui Engineering & Shipbuilding Co., Ltd. | High efficiency gas engine for CMM and VAM. |
| Power Generation System | | |
| Co-firing boiler for CMM and coal | Ishikawajima-Harima Heavy Industries Co., Ltd. | Co-firing boiler for CMM and coal/low grade coal. |
| Gas turbine power generation system | Kawasaki Heavy Industries, Ltd. | High efficiency gas turbine for CMM and VAM. |
| Gas Upgrading | | |
| Gas upgrading system | Gas & Power Investment Co.,Ltd. | The unit increasing concentration of methane for CMM and VAM. |
| Simulation | | |
| Gas simulation software (MGF-3D) | Japan Coal Energy Center | PC based simulation software for emission and recovery of coal mine methane, developed by JCOAL. |
| Gas simulation software (COSFLOW) | Japan Coal Energy Center | Computer simulation software for emission and recovery of coal mine methane, developed by CSIRO (Australia) , JCOAL and NEDO. |
| Simulation software for underground ventilation and gas (KAZEMARU) | Japan Coal Energy Center | PC based simulation system to analyze mine ventilation network, developed by JCOAL. |
| Gas Measurement | | |
| Gas contents analyze apparatus | Japan Coal Energy Center | Portable and compact gas analyzing apparatus to measure gas contents in coal on site. |

3. NEDO's Travel Support for M2M Coal mtgs

- Dec 2005 Beijing Regional WS 5 experts (Argentina, India, Nigeria, Russia & Ukraine)
- May 2006 Tuscaloosa M2M Coal SC 5 experts (Argentina, China, Mexico, Nigeria & Russia)
- Oct. 2006 Brisbane M2M Coal SC 5 experts (China, India, Nigeria, Russia & Ukraine)
- April 2007 Geneva M2M Coal SC 4 experts (China, Mexico, Nigeria & Ukraine)

→ Country reports and project templates submitted from the experts who received the travel support

4. NEDO's Travel Support for Partnership EXPO

- Now being planned, details will be announced soon
- Support could cover two experts from each developing/transition member country, or cost to develop project templates