

Chang-Keun Yi, Ph.D. (KIER) Sung-Chul Shin, Ph.D. (KIER) Chong-Kul Ryu, Ph.D. (KEPRI)

April 4, 2006 at Carbon Sequestration Leadership Forum, Delhi, India

### **Updated Progress**

- 1. Activities in APP
- 2. CCS R&D by 4 ministries
- 3. Joint Workshop on CCS
- 4. Membership for "FutureGen Project"

#### 1. Activities in APP

- Korea joined APPCDC (Asia Pacific Partnership on Clean Development & Climate), IEA GHG as well as CSLF.
- In APP, Korea is actively involved in Cleaner Fossil Energy, that is CCS area.
- Korea has been appointed chairs of
  - Renewable Energy area
  - Buildings & Appliances area

## 2. CCS R&D by 4 Ministries

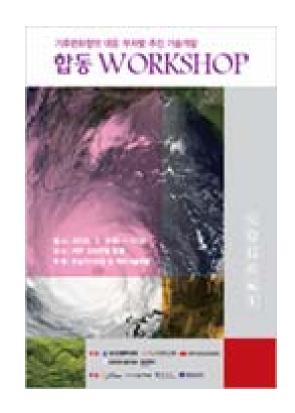
- 4 government ministries are involving CCS S&T development
  - MOCIE (Ministry of Commerce, Industry & Energy)
  - MOST (Ministry of Science & Technology)
  - MOMAF (Ministry of Maritime Affairs & Fisheries)
  - MOE (Ministry of Environment)
- Korea has tried to join a couple of CSLF on going projects

# CCS Activities supported by Korean government

- Ministry of Commerce, Industry & Energy (MOCIE)
  - CO2 separation & conversion technologies
  - CSLF international collaboration
  - Managed by KEMCO
- Ministry of Science & Technology (MOST)
  - CO2 capture
  - Oxy-fuel combustion
  - Managed by CO<sub>2</sub> reduction & sequestration R&D Center
- Ministry of Maritime Affairs & Fisheries (MOMAF)
  - CO<sub>2</sub> ocean sequestration technology program
- Ministry of Environment (MOE)
  - Modeling, monitoring, verification

### 3. Joint Workshop on CCS

- On Feb. 9-10 2006, Korea CCS workshop
- Supported by 4 ministries
- Held in Jeju with 300 participants
- Purpose: To promote the exchange of relevant technology information and raise the public awareness on climate change



### 4. Membership for "FutureGen"

- MOCIE is considering to join the government steering committee through membership of "FutureGen" project.
- IGCC Demonstration Project (300MW)
  will be launched this year.