

## Contributing Organizations



# CO<sub>2</sub> Capture and Storage

Regional Awareness Raising Workshop

CGS Europe

“The Pan-European Coordination Action on  
the Geological Storage of CO<sub>2</sub>”



13 - 14 June 2012

Middle East Technical University

Ankara - TURKEY



Organized by: Petroleum Research Center, Middle East Technical University

Co-organiser: UCTEA Chamber of Petroleum Engineers



## CO<sub>2</sub> Capture and Storage (13 - 14 June 2012)

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### 13 June 2012, Wednesday

- 09:00 - 09:15 Registration
- 09:15 - 09:30 Opening Speech
- Chair: Mahmut Parlaktuna**
- 09:30 - 10:00 CGS Europe Project, **Ender Okandan**,  
METU Petroleum Research Center
- 10:00 - 10:30 Impact of Climate Change in Turkey - Observations and Projections,  
**Öznur Oğuz Kuntasal**, UNDP Turkey

#### 10:30 - 11:00 COFFEE BREAK

**Chair: Can Bakiler**

- 11:00 - 11:30 Turkey: Energy Outlook June 2012, **Oğuz Türkyılmaz**,  
Chamber of Mechanical Engineers
- 11:30 - 12:15 CO<sub>2</sub> Capture Technologies for Power Generation  
"The Challenges Ahead", **Prachi Singh**, IEAGHG
- 12:15 - 12:45 Discussion, Moderator: **Can Bakiler**

#### 12:45 - 14:00 LUNCH

**Chair: Katalin Zaim**

- 14:00 - 14:30 CO<sub>2</sub> Sequestration in Unconventional Gas Reservoirs: Challenges  
and opportunities, **Turgay Ertekin**, PennState University, USA
- 14:30 - 15:00 Deep Saline Formations: The Largest Potential Volumes for Geological  
Storage of CO<sub>2</sub>, **Çağlar Sınayuç**, METU, Petroleum Research Center

#### 15:00 - 15:30 COFFEE BREAK

**Chair: Turgay Ertekin**

- 15:30 - 16:00 Natural Marine CO<sub>2</sub> Sequestration: How Biological and Solubility  
Pumps Influence the Sequestration in the Black Sea and in the Eastern  
Mediterranean? **Ayşen Yılmaz**, METU Institute of Marine Sciences
- 16:00 - 16:30 Regulations Related to Climate Change, Turkey,  
**Evren Türkmenoğlu**, Ministry of Environment and Urbanisation
- 16:30 - 17:00 First Day Discussions, Moderator: **Turgay Ertekin**
- 19:00 **Workshop dinner**

### 14 June 2012, Thursday

- Chair: İlhan Topkaya**
- 09:15 - 09:45 Potential of CCS Applications in Industry 'Steel, Oil Refining and Cement',  
**Prachi Singh**, IEAGHG
- 09:45 - 10:15 Efficiency, the Primary Target for Reducing CO<sub>2</sub> Emissions, Refinery  
Example, **Mehmet Alkan**, TÜPRAŞ
- 10:15 - 10:45 Requirements for Large Scale CCS Deployment, insights from Shell's  
activities, **Tim Bertels**, Shell CCS Portfolio Manager

#### 10:45 - 11:15 COFFEE BREAK

**Chair: İlhan Topkaya**

- 11:15 - 11:45 Unique CO<sub>2</sub>-EOR Experience in Batı Raman Field, **Yıldız Karakeçe**,  
Turkish Petroleum Corporation
- 11:45 - 12:15 The In Salah Gas CCS Project - Key Highlights and Lesson Learned,  
**Allan S. Mathieson**, BP
- 12:15 - 12:45 Discussion, Moderator : **İlhan Topkaya**

#### 12:45 - 14:00 LUNCH

**Chair: Çağlar Sınayuç**

- 14:00 - 14:30 Assessment of CO<sub>2</sub> Storage in TPAO Fields: Applicability, Location,  
Capacity, **Volkan Üstün**, Turkish Petroleum Corporation
- 14:30 - 15:00 An Overview of Monitoring Techniques for CO<sub>2</sub> Storage Sites,  
**David Jones**, BGS, UK

#### 15:00 - 15:20 COFFEE BREAK

**Chair: Çağlar Sınayuç**

- 15:20 - 15:50 EU Activities in CCS, **Vit Hladik**, Czech Geological Survey
- 15:50 - 16:20 Adaptation Program for Climate Change, Turkey,  
**Kadir Demirbolat**, Ministry of Environment and Urbanization
- 16:20 - 16:50 Future of CCS Technology, Moving Ahead, **Tore Torp**, Statoil
- 16:50 - 17:20 Discussion and Closing Remarks, Moderator: **Vit Hladik**