

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

13 June 2012, Wednesday

14 June 2012, Thursday

09:00 - 09:15 Registration  
 09:15 - 09:30 Opening Speech, **Prof. Dr. Ahmet Acar**, President METU  
**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

**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

**10:30 - 11:00 COFFEE BREAK****10:45 - 11:15 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**

**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 : **Ilhan Topkaya**

**12:45 - 14:00 LUNCH****12:45 - 14:00 LUNCH**

**Chair: Öznur Oğuz Kanıtsal**  
 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

**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 - 15:30 COFFEE BREAK****15:00 - 15:20 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**

**Chair: Çağlar Sınayuç**  
 15:20 - 15:50 **CCS in Europe and worldwide - current status and the way forward**,  
**Vit Hladik**, Czech Geological Survey  
**EC support to Carbon Capture and Storage, Research Perspective**  
**Peter Petrov**  
 15:50 - 16:20 **Future of CCS Technology, Moving Ahead**, **Tore Torp**, Statoil  
 16:20 - 17:00 Discussion and Closing Remarks, Moderator: **Vit Hladik**