



**Asia-Pacific  
Economic Cooperation  
Secretariat**

**APEC Expert Workshop on Increasing the Knowledge and Awareness of  
Carbon Capture and Storage: Capacity-Building in the APEC Region**  
*APEC Energy Working Group and Expert Group on Clean Fossil Energy*



**GLOBAL  
CCS  
INSTITUTE**



## CCUS WORKSHOP FOR CO<sub>2</sub> STORAGE

### AGENDA

**Thursday 22 January  
University of Sonora, Hermosillo**

<b>8:00 AM</b>	<b>Registration</b>
<b>8:30 AM</b>	<b>Welcome – <i>Mauricio Pico, FECIT</i></b>
<b>8:40 AM</b>	<b>Introduction &amp; Overview on APEC – <i>Dr Robert Wright, APEC &amp; US DOE</i></b>
<b>9:00 AM</b>	<b>CO<sub>2</sub> Sources and Climate Change – <i>Rafael Acosta, CFE</i></b>
<b>9:20 AM</b>	<b>Global Status of CCS/CCUS- <i>Dr Elizabeth Burton, Global CCS Institute</i></b>
<b>9:45 AM</b>	<b>Basics of Geologic Storage – <i>Dr Niall Mateer, California Institute for Energy &amp; Environment, University of California</i></b> <ul style="list-style-type: none"> <li>➤ Site selection</li> <li>➤ Site characterization</li> <li>➤ Trapping mechanisms</li> </ul>
<b>10:30 AM</b>	<b>Coffee/Tea Break</b>

<b>10:45 AM</b>	<b>CO<sub>2</sub> Storage Capacity Assessment – Neil Wildgust, Global CCS Institute</b> <ul style="list-style-type: none"> <li>➤ Methodological differences</li> <li>➤ Storage efficiency factors</li> <li>➤ CO<sub>2</sub> Storage Assessment Scales &amp; resolution</li> <li>➤ Basin and/or Regional Scale screening</li> <li>➤ Desirable Characteristics and Eliminary Criteria of Sedimentary Basins</li> </ul>
<b>11:45 AM</b>	<b>Monitoring, Measuring and Verification (MMV) – Dr Elizabeth Burton, Global CCS Institute</b> <ul style="list-style-type: none"> <li>➤ Surface and near-surface monitoring</li> <li>➤ Overburden monitoring</li> <li>➤ Injection zone monitoring</li> </ul>
<b>12:30 PM</b>	<b>Lunch</b>
<b>1:30 PM</b>	<b>Enhanced Oil Recovery &amp; Storage – Neil Wildgust, GCCSI</b> <ul style="list-style-type: none"> <li>➤ Examples of EOR &amp; Storage Case studies- Bell Creek &amp; Weyburn</li> </ul>
<b>2:00 PM</b>	<b>PEMEX’s EOR Strategy for CO<sub>2</sub> Injection- Dr Fernando Rodriguez De la Garza, PEMEX</b> <ul style="list-style-type: none"> <li>➤ Case Studies in Mexico</li> </ul>
<b>2:30 PM</b>	<b>Life Cycle Analysis for PEMEX EOR-CO<sub>2</sub>-CCS Project in Southern Mexico – Miguel Angel Morales, PEMEX</b>
<b>3:00 PM</b>	<b>Coffee/Tea Break</b>
<b>3:30 PM</b>	<b>CCS Risk Analysis - Neil Wildgust, Global CCS Institute</b> <ul style="list-style-type: none"> <li>➤ Confining system</li> <li>➤ Well integrity and leakage pathways</li> <li>➤ Induced seismicity</li> </ul>

4:00 PM	Overview on compression and transport of CO <sub>2</sub> – <i>Neil Wildgust &amp; Ron Munson, Global CCS Institute</i>
4:30 PM	<p>Overview on Capture Technologies- Ron Munson, <i>Global CCS Institute</i></p> <ul style="list-style-type: none"> <li>➤ CCS chain overview</li> <li>➤ Explanation of mature capture technologies <ul style="list-style-type: none"> <li>a. Pre-Combustion</li> <li>b. Post-Combustion</li> <li>c. Oxy-Combustion</li> </ul> </li> <li>➤ Case Study on the Port Arthur project in Texas</li> </ul>
5:00 PM	End of Day 1
<p><b>Friday 23 January</b>  <b>University of Sonora, Hermosillo</b></p>	
8:00 AM	Registration
8:30 AM	Welcome – <i>Mauricio Pico, FECIT</i>
8:40 AM	Examples of CCS R&D Programs in the US - <i>Dr Robert Wright, APEC &amp; US DOE</i>
9:00 AM	CCS/CCUS Regulatory Framework for Mexico- <i>Pamela Tomski, Global CCS Institute</i>
9:20 AM	Why does Public Understanding Matter?- <i>Meade Harris Goodwin, Global CCS Institute</i>
9:40 AM	Mexico CCUS Roadmap – <i>Jazmin Mota, SENER</i>
10:15 AM	Overview of World Bank Activities in Mexico- <i>Dr Frank Mourits, World Bank</i>
10:40 AM	Questions, Wrap –up and conclusions – <i>Dr Elizabeth Burton, Global CCS Institute</i>

