

Getting On the Path to CCS: CSLF and CTCN

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UNFCCC Side Event COP-22,
Marrakech, Morocco**



**BUREAU OF
ECONOMIC
GEOLOGY**



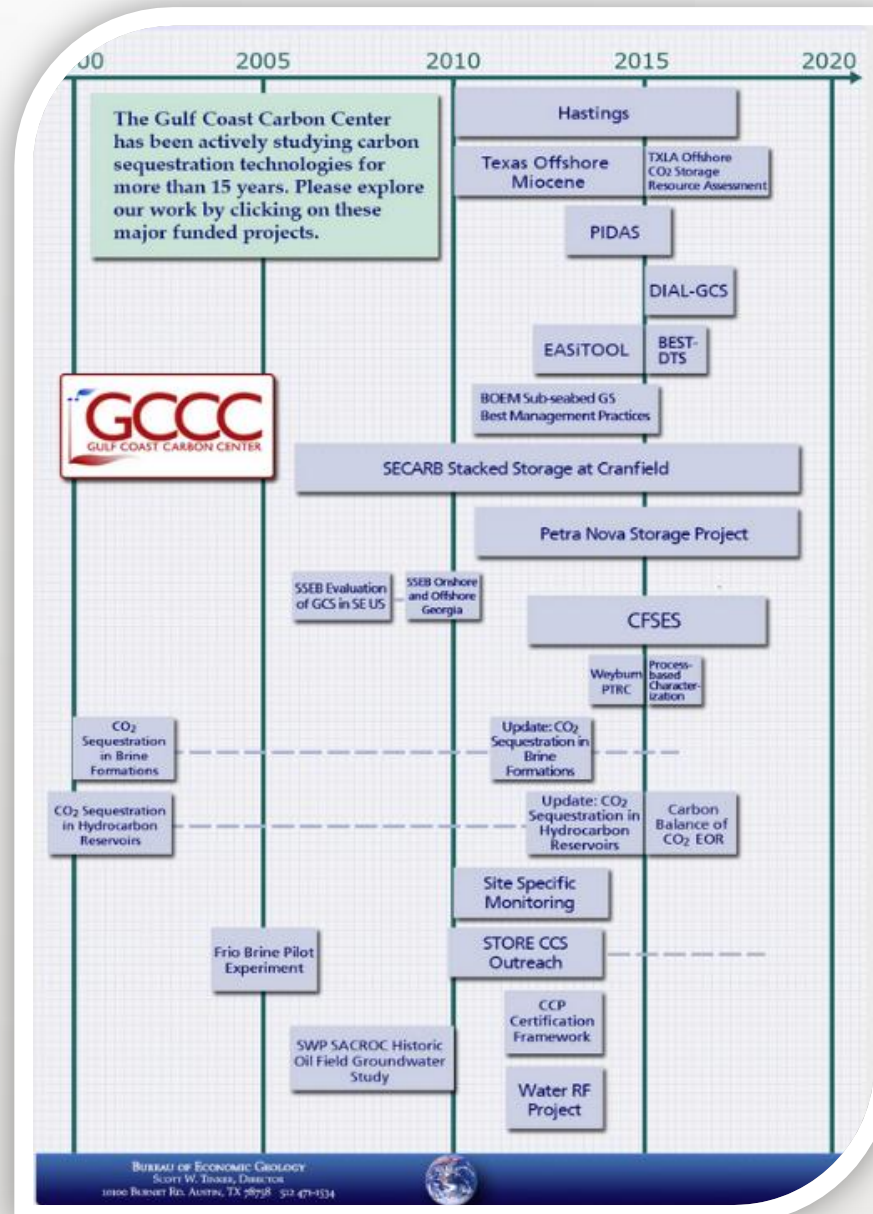
TEXAS Geosciences
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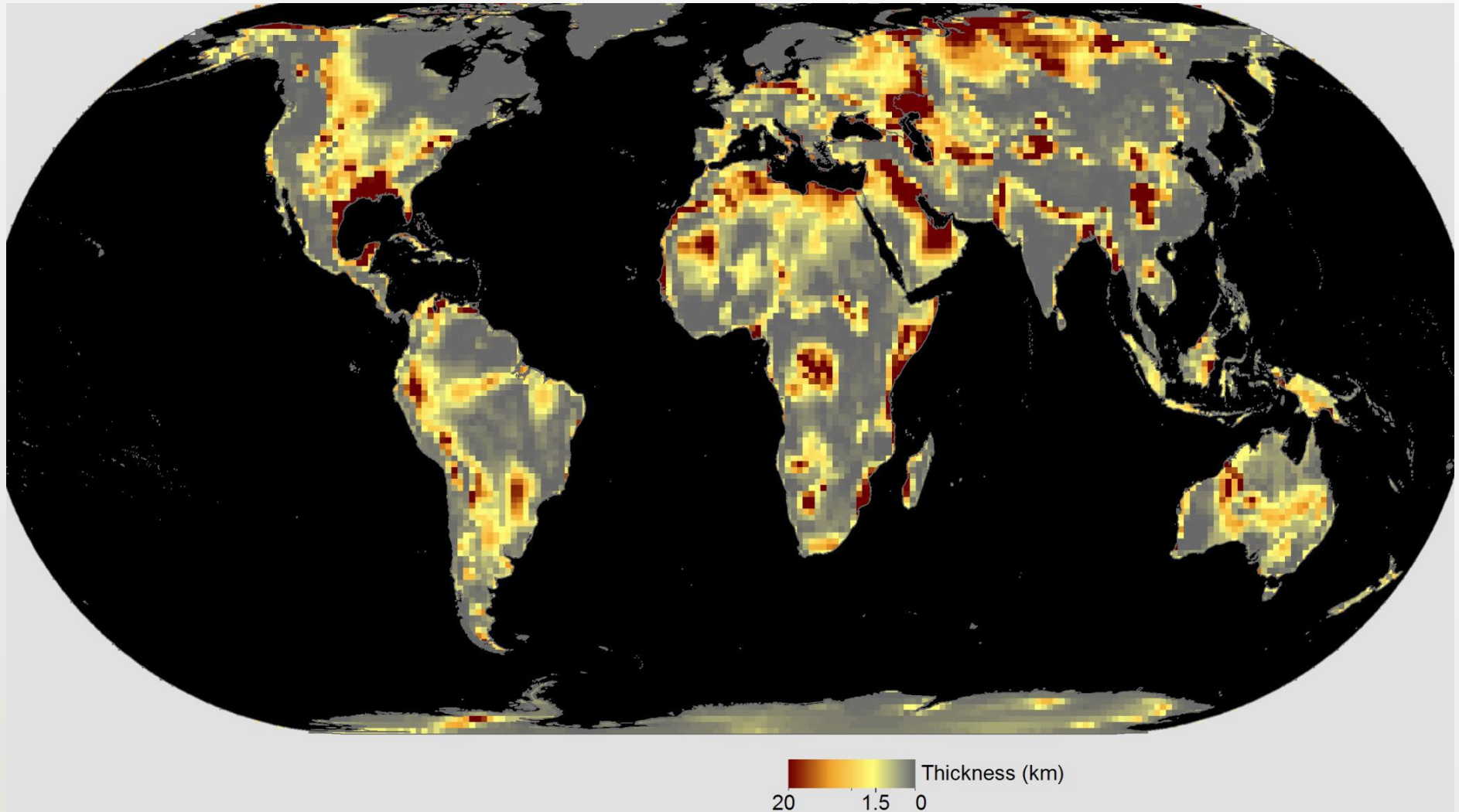
Gulf Coast Carbon Center - GCCC

www.beg.utexas.edu/gccc/

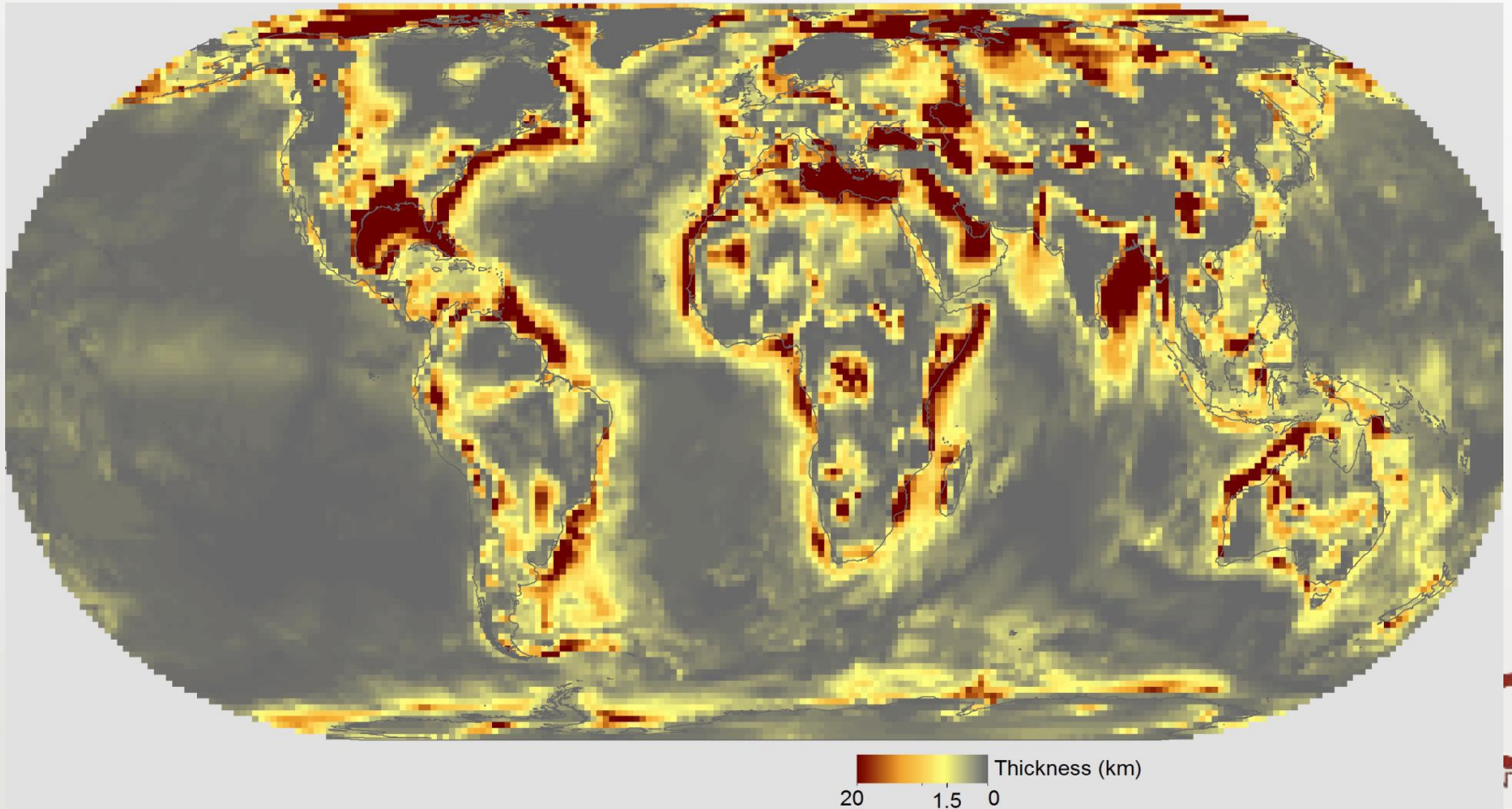
- ✓ 15 years experience
- ✓ 9 CO₂ storage projects
- ✓ Pilot to industrial-scale projects (Frio to NRG-Petranova)
- ✓ Feasibility Studies
- ✓ Develop Storage Atlas
- ✓ Assess Storage Capacity
- ✓ Develop Monitoring Plans
- ✓ Environmental Assessment
- ✓ Public Outreach
- ✓ Training and Capacity Building
- ✓ Member of CTCN



Onshore CO₂ Storage Potential



Offshore CO₂ Storage



15 large-scale projects are operational ~ 40MtCO₂ pa



Carbon Sequestration Leadership Forum (CSLFF)

- Government-level international initiative to facilitate development and deployment of CCS
- 22 Country members and the European Commission
- Technical, policy, ministerial groups
- Creates CCS initiatives through Task Forces

www.cslforum.org



CSLF Task Force on Offshore CO₂ Storage

- Accelerate deployment of offshore field tests globally.
- Bring many nations together to assess technology needs and barriers to offshore CO₂ storage
- Share technology and experiences





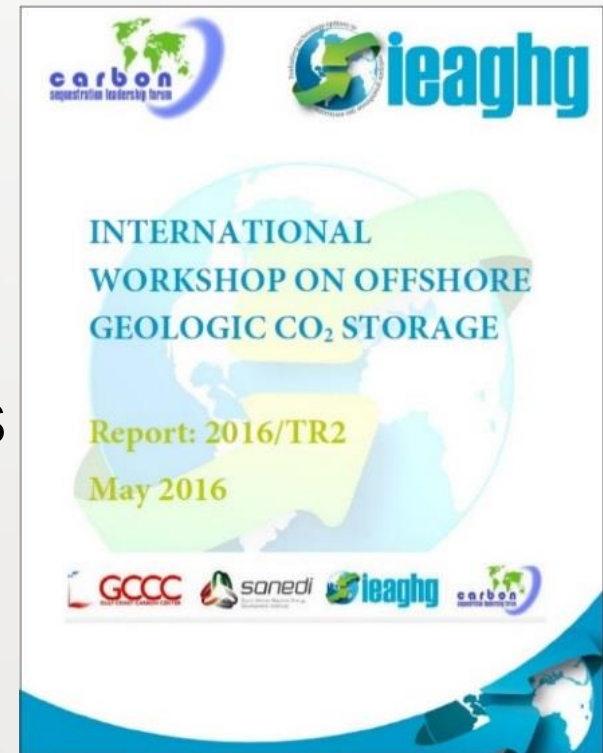
International Workshop on Offshore Geologic CO₂ Storage

- April 2016
- The University of Texas at Austin
- Organised by the Gulf Coast Carbon Center in collaboration with the South African Centre for CCS, and IEAGHG
- Supported by the CSLF and CTCN
- 13 countries (7 developing countries) attended



Aims of the Offshore Workshop

- Build an community of countries interested in offshore storage.
- Facilitate countries to identify specific issues, challenges, opportunities etc.
- Identify synergies, common gaps and goals, and define common action items.
- Plan follow-on workshops



CCS Needs Assessment Survey

- Short pre-workshop survey to help identify needs and gaps for each country
- Unofficial, reflected individual opinions
- Results will be assessed, reported, and will drive future collaborative actions
- Gets countries on the path.
- Contact at katherine.romanak@beg.utexas.edu

CO ₂ Storage Needs Assessment Survey*												
This is a survey for discussion purposes only and does not represent official views of any country or institution.												
*Please fill in yellow fields												
Questions refer to onshore capture and offshore storage. (Please note that capture is not a factor of this work)												
Name:	Example											
Institution:												
Country:												
Value Chain Category	Subcategory	Status of knowledge and planning in country						Additional information needed to progress toward CCS			Your comments are very important!	
		Not relevant	Not started	Started	Well underway	Mature plan	Currently being implemented	Not relevant	Low	Medium		High
Capture												
	CO ₂ source identification						X					Significant work has been completed to identify
	Volume to be captured						X					
	Source type of capture						X					
	Cost of capture				X							
	Compression						X					
	Other preparation for transport											
	Capture risk and uncertainty, evaluation and mitigation					X						
Transportation												
	Identify CO ₂ pipeline network											
	CO ₂ pipeline design and operation engineering						X					
	Ship design and operation engineering											

Climate Technology Network and Center: CTCN

- Provides Technical assistance on climate technologies to developing countries at their request free of charge (with a value up to 250,000 USD)



UNFCCC Climate Technology Centre and Network (CTCN)



- Delegates from Nigeria and Ghana secure funding attend the offshore workshop
- First-ever CTCN funding for a CCS activity
- Mini-workshop on CTCN for DCs
- Outcome: Nigeria has submitted a request to CTCN for technical assistance in CCS
- Nigeria is on the path to CCS!

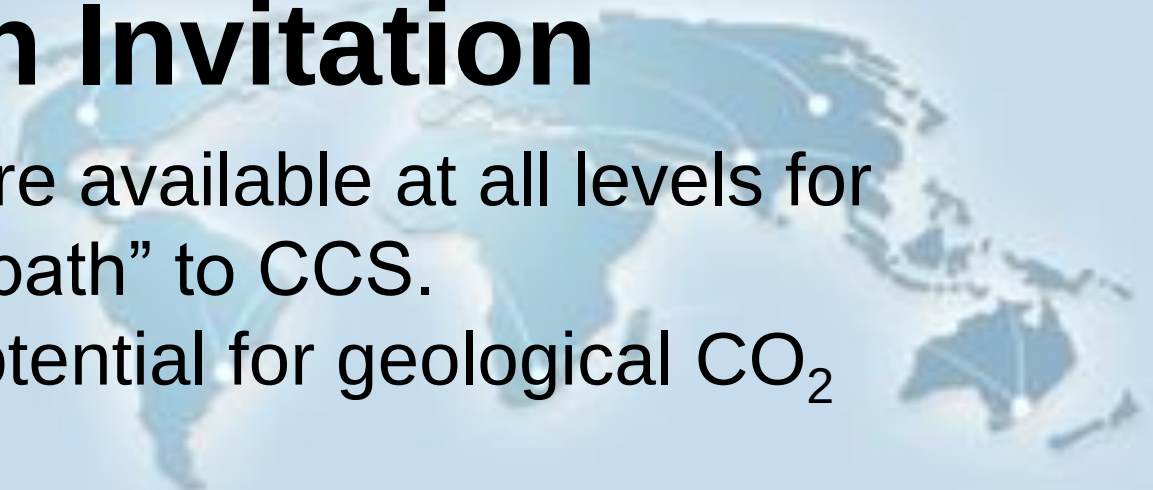


UNFCCC Climate Technology Centre and Network (CTCN)

- CTCN Side Event: UNFCCC Technology Mechanism: enhancing climate technology action, Wednesday 9 Nov 6:15 Bering Room
- Booth #10A
- See me after the side event



An Invitation



- Opportunities are available at all levels for “getting on the path” to CCS.
- Explore your potential for geological CO₂ Storage.
- Do a needs assessment survey
- Utilize new funding mechanisms to build your capacity in CCS – e.g. CTCN
- Become involved in the CSLF
- Explore memberships with experienced organizations (GCCC, IEAGHG)

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Participate!

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