

# Getting On the Path to CCS: CSLF and CTCN

**Dr. Katherine Romanak  
Gulf Coast Carbon Center  
Bureau of Economic Geology  
The University of Texas at Austin**

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**BUREAU OF  
ECONOMIC  
GEOLOGY**



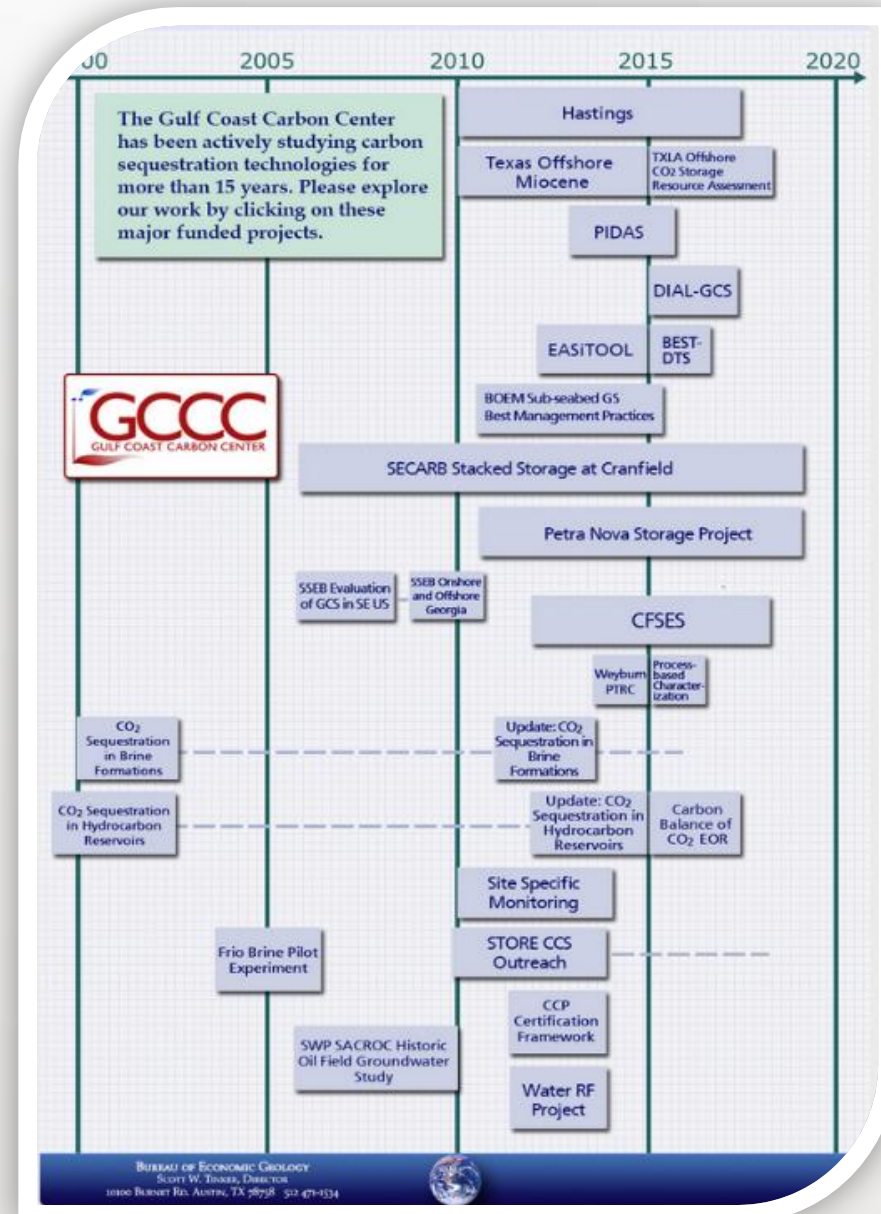
**TEXAS** Geosciences  
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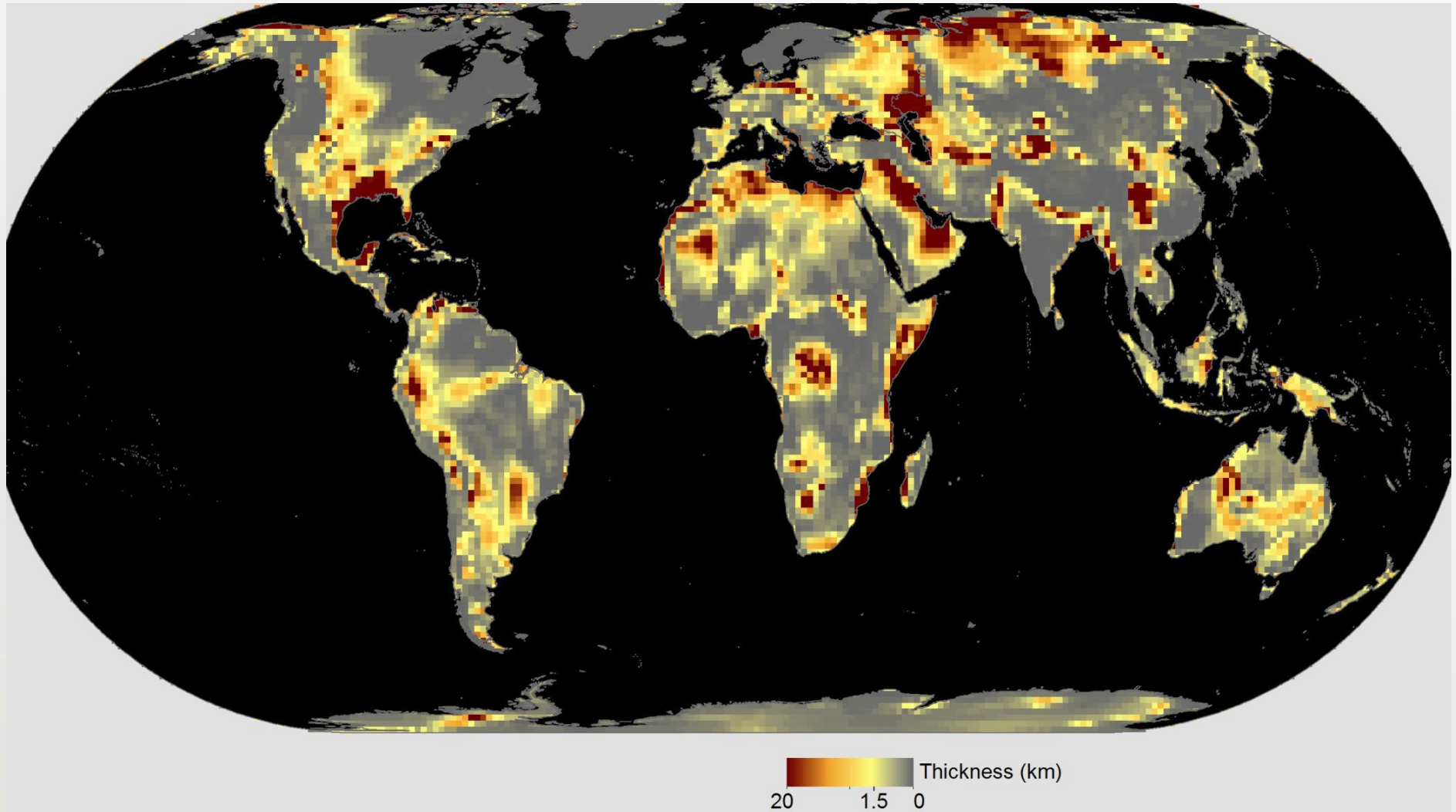
# Gulf Coast Carbon Center - GCCCC

[www.beg.utexas.edu/gccc/](http://www.beg.utexas.edu/gccc/)

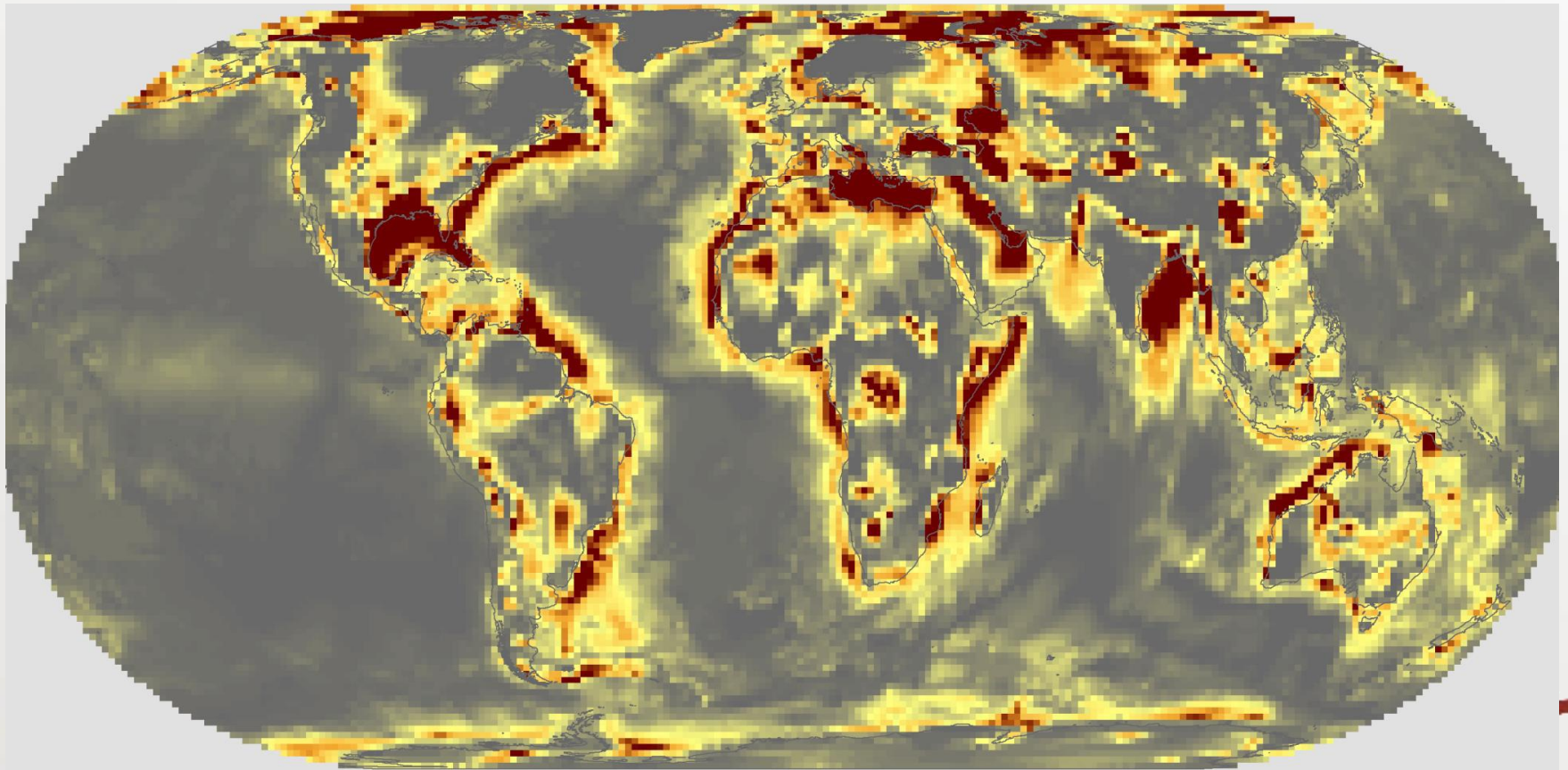
- ✓ 15 years experience
- ✓ 9 CO<sub>2</sub> storage projects
- ✓ Pilot to industrial-scale projects (Frio to NRG-Petranova)
- ✓ Feasibility Studies
- ✓ Develop Storage Atlas
- ✓ Assess Storage Capacity
- ✓ Develop Monitoring Plans
- ✓ Environmental Assessment
- ✓ Public Outreach
- ✓ Training and Capacity Building
- ✓ Member of CTCN



# Onshore CO<sub>2</sub> Storage Potential



# Offshore CO<sub>2</sub> Storage



# 15 large-scale projects are operational ~ 40MtCO<sub>2</sub> pa



# Carbon Sequestration Leadership Forum (CSLF)

- 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](http://www.cslforum.org)



# CSLF Task Force on Offshore CO<sub>2</sub> Storage

- Accelerate deployment of offshore field tests globally.
- Bring many nations together to assess technology needs and barriers to offshore CO<sub>2</sub> storage
- Share technology and experiences





# International Workshop on Offshore Geologic CO<sub>2</sub> 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



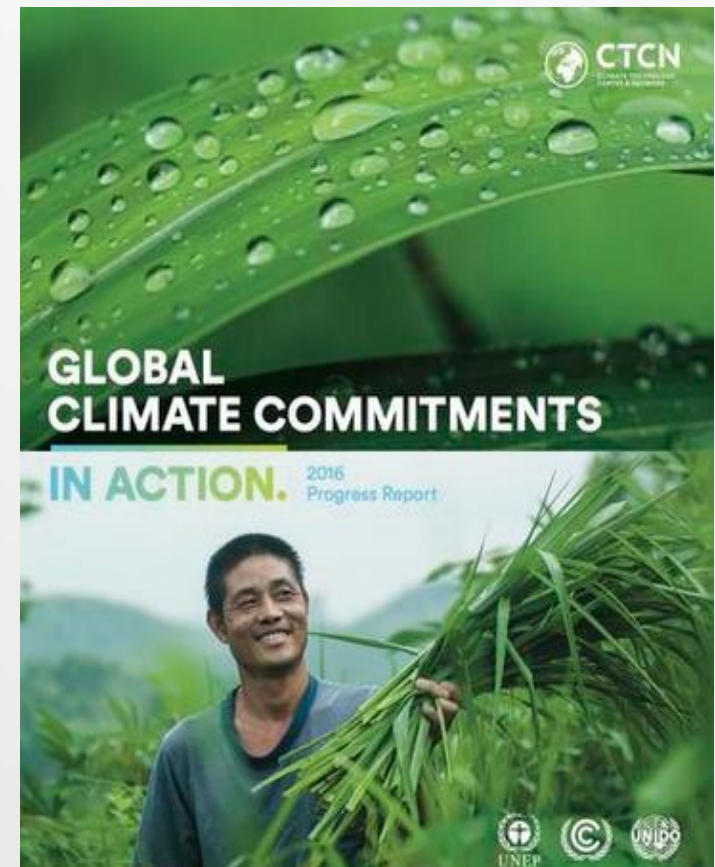
# CCS Needs Assessment Survey

- 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](mailto:katherine.romanak@beg.utexas.edu)

CO <sub>2</sub> Storage Needs Assessment Survey*										
<i>This is a survey for discussion purposes only and does not represent official views of any country or institution. *Please fill in yellow fields.</i>										
<i>Questions refer to onshore capture and offshore storage. (Please note that capture is not a focus of this work.)</i>										
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	
<b>Capture</b>										
	CO <sub>2</sub> source identification					X				
	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					
<b>Transportation</b>										
	Identify CO <sub>2</sub> pipeline network									
	CO <sub>2</sub> 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 CO<sub>2</sub> 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)

**[Katherine.Romanak@beg.utexas.edu](mailto:Katherine.Romanak@beg.utexas.edu)**  
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# Participate!

Katherine Romanak  
Gulf Coast Carbon Center  
Bureau of Economic Geology  
The University of Texas at Austin  
[katherine.romanak@beg.utexas.edu](mailto:katherine.romanak@beg.utexas.edu)  
+1 512-471-6136

