

## Theme Overview: Outreach, Training, Policy and Regulation

### 2011–14 Goal

Increase accessibility of GCCC results and provide technical information relevant to policy.

### Accomplishments

- ◆ Gave 384 presentations worldwide; hosted more than 40 U.S. and international colleagues from academia, industry, and non-governmental organizations (NGOs).
- ◆ Supported and advised 29 undergraduate and graduate students and postdoctoral fellows. Developed and taught a cross-disciplinary graduate course at The University of Texas at Austin™ in geologic storage of CO<sub>2</sub>.

### Impacts

- ◆ Collaboration with the International Energy Agency Greenhouse Gas R&D Programme's (IEAGHG) Monitoring Network led to GCCC representation within the United Nations Framework Convention on Climate Change (UNFCCC).
- ◆ Student mentoring gave GCCC sponsors, other companies, and academic institutions a more informed workforce.
- ◆ GCCC influence increased through additional dollars provided by new members: Korea Carbon Capture and Sequestration R&D Center (KCRC) and Ecopetrol.

### Digital Communication Platforms

#### Websites:

[www.gulfcoastcarbon.org](http://www.gulfcoastcarbon.org)

outreach activities, staff, research projects

[www.gulfcoastcarbon.org/blog](http://www.gulfcoastcarbon.org/blog)

original writing to engage and create a forum for constructive discussion

[www.co2facts.org](http://www.co2facts.org)

FAQs vetted by experts, includes videos

[www.storeco2now.com](http://www.storeco2now.com)

DOE outreach project website



UTCCS-2 brought together industrial associates from all groups working on carbon sequestration at UT, as well as members from MIT-CSI

- ◆ Published 58 papers on GCCC research.
- ◆ Expanded information platforms over which GCCC provides information to stakeholders; registered a higher-than-average open rate on electronic messaging.
- ◆ Partnered with multiple outside research institutions in collaborative field injection experiments; provided technical expertise on carbon capture and storage (CCS) to regulators and policy-makers.
- ◆ Prominence of GCCC led to award from U.S. Department of the Interior to develop a best-practices manual for injection of CO<sub>2</sub> in the Outer Continental Shelf.
- ◆ GCCC provided technical expertise to U.S. offshore CCS (Bureau of Ocean Energy Management [BOEM]) and Environmental Protection Agency (EPA) regulators.

#### Electronic mailings:

Sponsor Electronic Newsletter

GCCC activities and research, new ideas, published papers, travel and outreach

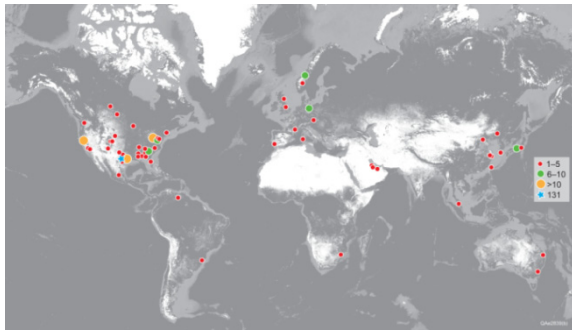
GCCC News Flashes

short e-mail blasts to >500-person mailing list or smaller groups as appropriate

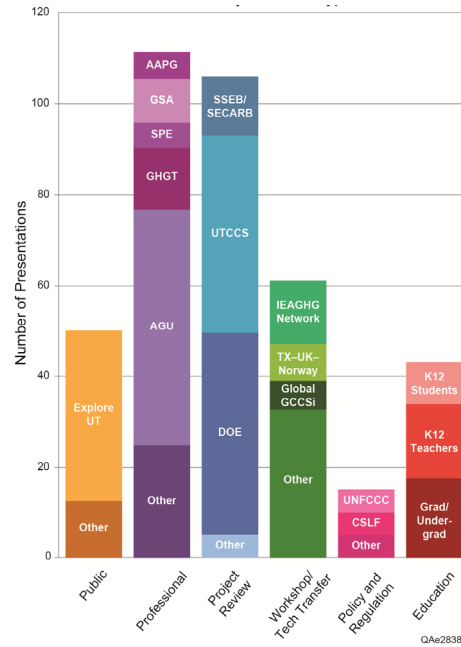
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Geographic Coverage

- ◆ GCCC researchers visited stakeholders in 17 countries; 83% of activity was within the United States, 44% in the Gulf Coast region.
- ◆ GCCC researchers hosted visitors from 11 countries: Australia, Botswana, Brazil, Colombia, Ghana, Japan, Korea, Norway, South Africa, Taiwan, and U.K.



GCCC researchers have given presentations worldwide.



GCCC staff outreach efforts by audience type

Collaborative Research Partners

- ◆ American Water Works Association
- ◆ Carbon Counts
- ◆ CO<sub>2</sub> Capture Project - British Petroleum
- ◆ Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC)
- ◆ Det Norske Veritas (DNV)
- ◆ Electric Power Research Institute (EPRI)
- ◆ Intelligent Optical Systems, Inc.
- ◆ Lawrence Berkley National Labs (LBNL)
- ◆ Lawrence Livermore National Labs (LLNL)
- ◆ Mesa Photonics
- ◆ Mississippi State University
- ◆ Oak Ridge National Lab (ORNL)
- ◆ Research Institute of Innovative Technology for

the Earth (RITE)

- ◆ Sandia National Laboratories
- ◆ University of Durham
- ◆ University of Edinburgh
- ◆ University of Florida at Miami
- ◆ University of Mississippi
- ◆ The University of Texas at Austin™ (UT Austin), Chemical Engineering
- ◆ UT Austin, Jackson School of Geosciences (JSG), Department of Geological Sciences
- ◆ UT Austin, JSG, Energy & Earth Resources
- ◆ UT Austin, JSG, Institute for Geophysics
- ◆ Wood Group Mustang

Staff Publications by the Numbers

- ◆ 58 papers in peer-reviewed journals
- ◆ 74 abstracts in presentation proceedings
- ◆ 16 papers in the International Journal of Greenhouse Gas Control (IJGHGC) Special Publication on Cranfield, Mississippi, site.

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