

Alliance for Sequestration Training,
Outreach, Research & Education

November 27, 2012

UNFCCC/COP-18 Doha, Qatar



***Building CCS Workforce Capacity
through
Teacher Professional Development
and
Girl-Centered Educational Programs***

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The University of Texas at Austin





- **Brief overview of STORE**
- **Capacity Building Targets**
- **Focus:** *Strategies and Resources related to Pre-University Teachers, Girls ages 10-18yrs, and Activities*
- **Opportunities**

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■ Brief overview of STORE

***STORE: Sequestration Training, Outreach,
Research and Education***

*Training Center at The University of Texas with
Initial Funding from U.S. Department of Energy*

*Build workforce capacity for the Geological
Carbon Storage Industry*

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■ Capacity Building Targets

1. *Professionals*



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■ Capacity Building Targets

2. *University Students*



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■ Capacity Building Targets

3. *Pre-University Teachers*



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■ Capacity Building Targets

4. *K-12
Students
(Girl-centered)*



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■ *Pre-University Teachers - Strategies*

*Teachers work
with real carbon
storage data,
using online
datasets or lab
data they generate*



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■ *Pre-University Teachers - Strategies*

*Teachers are
taught by
university
professors,
graduate students
or other experts*



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■ *Pre-University Teachers - Strategies*

Teachers attend ongoing series of training with the same teachers over a period of 2 years



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- *Girls - Strategies*
Ages 10-18yrs,
Involve significant
number of female
scientists and
engineers in outreach



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■ *Girls - Strategies*

Ages 10-18yrs,

Focus on proper

messaging:

societal impact,

collaborative,

"family+faith+community+career"



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■ *Girls - Strategies*

*Ages 10-12yrs,
Family or
community
mentor to share
experience*



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- *Girls - Strategies*
Ages 10-12yrs,
Informal discussions



'breakfast with a pro'

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■ *Activity - Strategies*

*Inquiry-based
(not lecture-
based),
instructor teaches
how to acquire
knowledge*



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- *Activity - Strategies*

*Professionally
tested and
evaluated,
>90% show
significant
improvement*



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- *Resources to Share*
Program Structure,
Videos

www.storeco2now.com

Activities

www.storeco2now.com

www.txessrevolution.org

(pamphlets with websites in back)



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■ *Opportunities*

*Partner with similar
programs to:*

- *Adapt activities*
- *Apply strategies*
- *Assist in capacity
building activities*

(contact Hilary Olson – business cards in back)



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Thanks to our Partnering Organizations



Booth #98 (Hall 4)
for more information



INSTITUTE FOR
GEOPHYSICS

gi π l talk

