

COSEE West – Colorado Collaborative Using Scientists' Research Interest To Drive Teacher Professional Development Workshops

*Lesley Smith, Susan Lynds, Susan Buhr, Linda Duguay, Pat Harcourt
and Patricia Kwon*



Focus Driven by Scientists' Research

- Year 1 - Climate and ocean sciences: How the oceans affect us and how we affect them
- Year 2 - Sea ice, polar ice sheets and sea level
- Year 3 - Water in the West
- Year 4 – Water in the West

Format

- Scientist lectures during school year with half-day workshop on Saturdays
 - Videoconferenced to rural CO sites and COSEE West
- Weeklong Summer Institute
- Starting Year 2 teacher exchange between COSEE West and Colorado Collaborative

Activities

- Scientist lecture each day
- Lessons tied to lecture
 - lab- or computer-based
- Day-long field trip
- Evaluate with daily formative and end-of-course summative assessment



Videoconferencing

“Living in Steamboat makes it difficult to take workshops in the Front Range, especially in the winter. The COSEE videoconference made it easy, I felt like I was there.”



Teacher Exchange



5 teachers from CA attend CO workshop
Check out the teacher blog <http://cosee-west.blogspot.com/>

Teacher Exchange

5 teachers from CO attend
the Ocean Observing
Systems Summer Institute

Check out the teacher blog
[http://cires.colorado.edu/
blogs/cosee](http://cires.colorado.edu/blogs/cosee)



Scientist Participation



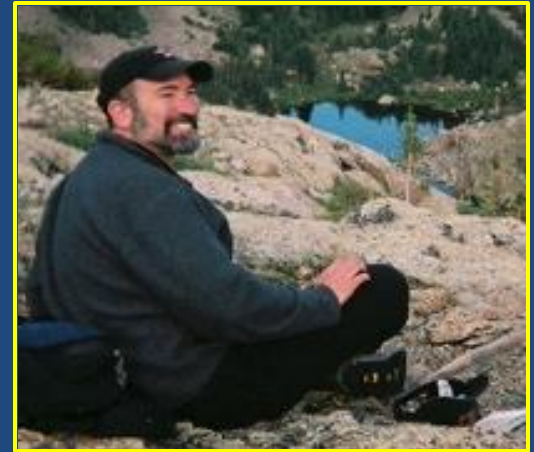
Scientist Participation *Training*



Scientist Participation

Win-Win-Win for Scientists

- Share cutting edge research tied to teaching materials
- Pilot curriculum scientists have created
- Learn about teaching materials scientists can use for their outreach
- Expand target audience for scientists' outreach efforts



Scientist Participation

Win-Win-Win for CIRES Outreach

- Providing a proven outreach program gives us credibility
- Attract more funding for outreach projects
- Expand our skills-base



Scientist Participation

Win-Win-Win for CIRES Teachers

- Learn about cutting edge research with lessons that tie into it
- Allow collaboration b/n classrooms in CO and CA
- Become a community with the CW-CO listserv



More Information

Lesley Smith

303-735-1750

Lesley.Smith@Colorado.edu

Marsha Barber

303-938-3255

marshabarber@mywdo.com

<http://cires.colorado.edu/education/outreach/cosee/>