

OUTREACH SUPPORT FOR SCIENTISTS

The mission of IDPO's Education Program is to enable effective educational outreach to teachers, students and the public on behalf of, and in collaboration with the ice drilling and coring community.

Activities support two primary goals:

- Providing materials and services for educational audiences
- Building a collaborative infrastructure to leverage research outcomes and outreach activities from individually funded ice core projects

How IDPO Can Support You

- Partnering for "Broader Impacts" on NSF Proposals (Note: you must contact IDPO via an email to linda.m.morris@dartmouth.edu at least six weeks before you submit your proposal.)
- Featuring You/Your Science at Education Conferences (see Past Participants below)
- Tailoring Presentations for Education Audiences: (Generic Sample for Your Use Coming Soon...)
- Scheduling Classroom Visits: Pre-planning with Teacher and Scientist; Lesson Design
- Translating Your Research for Public Audiences
- Conducting Local Workshops, with Travel Support Provided by Your Project

Collaboration Opportunities

- Create and/or share existing video clips, simulations or photos from your university or lab
(Example: <http://streaming.ems.psu.edu/geosc10/Antarctica1.mov>)
- Provide local museum and/or state/national contacts and event opportunities
- Submit articles which have been published for public audiences (Science, newspapers, etc.) for dissemination
(Examples: <http://www.climate-expeditions.org/public/links.html#news>)
- Share research papers you'd like translated for public audiences (Expect a call to discuss!)
- Submit a career story (Examples: <http://www.climate-expeditions.org/students/careers.html>)
- Share your outreach data (see Outreach Metrics sheet below)
- **Volunteer to do a conference presentation or classroom visit.** Please see the **Checking Out Your Team** videoconference-based activity at <http://www.climate-expeditions.org/educators/activities.html>



AGU '09 Event: Career interest begins at an early age!



AGU '10 teachers analyze McConnell data in new activity



NSTA 2011 Symposium: Ed's ice is a hit!

Scientists / Engineers Who Have Volunteered to Date

- | | | |
|-------------------|----------------------|---|
| • Murat Aydin | • Zoe Courville | • Ken Taylor |
| • Robert Barletta | • Jay Johnson | • Mark Twickler |
| • Ed Brook | • Kaitlin Keegan | • Don Voigt |
| • Marc Caffee | • Joe McConnell | • Jim White |
| • Gary Clow | • Vas Petrenko | • Mary Albert (back-up for
schedule conflicts) |
| • Jihong Cole-Dai | • Spruce Schoenemann | |

Past Education and Outreach Event Participants

- NSTA Seattle Regional Conference, December 2011: Spruce Schoenemann
- NSTA New Orleans Regional Conference, November 2011: Murat Aydin
- National American Association of Environmental Educators (NAAEE) National Conference, October 2011: Mary Albert
- NSTA National Science Teachers Conference Symposium, March, 2011: Ed Brook
- AGU Geophysical Information for Teachers (GIFT) Workshop, December, 2010: Joe McConnell
- National Science Teachers Association (NSTA), Baltimore Regional Conference, November, 2010: Mary Albert (for Zoe Courville)
- USA Science Festival, October 2010: Kaitlin Keegan, Mary Albert



Hands-on classroom visit with Mark

PRESENTER FEEDBACK SHEET

Please submit the Presenter Feedback Sheet (http://icedrill.org/scientists/outreach_support.shtml) after participation in an IDPO outreach event.

OUTREACH METRICS

Please submit the Outreach Metrics Sheet (http://icedrill.org/scientists/outreach_support.shtml) after participation in your own project outreach events.

JOIN THE LIST!

Email Linda Morris at linda.m.morris@dartmouth.edu to become involved.

ADDITIONAL RESOURCES

Classroom Visits:

For those of you who would like in-depth information about current educational standards and pedagogy (the art of teaching), the following two web resources offer valuable background information, checklists and how-to's related primarily to classroom visits:

- National Earth Science Teachers Association: Scientists in Schools:
http://www.windows2universe.org/teacher_resources/sci_schools/ss1.html
- AGI/AAPG: Visiting Geoscientists: An Outreach Guide for Geoscience Professionals
<http://www.agiweb.org/education/aapg/>

Policy Discussions:

AGU offers training and opportunities for you to contribute to outreach at the national level on congressional visits days or as a resource for reporters needing science support:

http://www.agu.org/sci_pol/

Communicating Science:

AAAS's Center for Public Engagement with Science and Technology offers workshops, resources and how-to tips for communicating science to the public:

<http://communicatingscience.aaas.org/Pages/newmain.aspx>

