

Education/Diversity Breakout

12 January 2011
Berkeley



Who

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Daniel Grossman is an award-winning print journalist and radio and web producer with 20 years of experience. He holds a Ph.D. in political science and a B.S. in physics, both from MIT. He is a 2008 Alicia Patterson Foundation Fellow. He was awarded a Ted Scripps Fellowship in Environmental Journalism at the University of Colorado in Boulder, where he studied climate science. He has reported from all seven continents including from within 800 miles of both the south and north poles. He has produced radio stories and documentaries on science and the environment for National Public Radio's show *Weekend Edition*; Public Radio International's show on the environment *Living on Earth* and news magazine, *The World*; the Australian Broadcasting Corporation; Germany's Deutsche Welle radio; the BBC; the Canadian Broadcasting Corporation; the documentary show *Soundprint*; and Radio Netherlands, among other broadcast outlets.



Click on the map to visit Dan's world

Dan has written for the *New York Times*, *The Boston Globe*, *Discover*, *Audubon* and *Scientific American*, among other national publications. He has been interviewed on environmental topics more than a dozen times on national radio programs including *The World*, *Here and Now* and *Living on Earth*. He has produced three extensive micro-websites on environmental topics. He is coauthor of *A Scientist's Guide to Talking with the Media: Practical Advice from the Union of Concerned Scientists* (Rutgers University Press: 2006).

CMMAP E&D Proposals &

- Climate Change Education Partnership (2011 - 2014), Prof. Jes Thompson, PI
- *Opportunities for Enhancing Diversity in the GeoSciences (Denning PI: NSF Pending)*
- Research on Gender in Science and Engineering (LOI due 2/9/11 Canetto PI)
- *Transforming Undergraduate Education in the GeoSciences (Due Jan 2012)*
- Interagency Working Group on Climate Change Education (NSF + NASA + DOE)
- REACH Nonprofit Outreach Corporation



Diversity Enhancement Proposal



\$1.5 million over 5 years

- Survey and interview work in diverse communities
- 10 Alliance High Schools
- **Summer camps: LSOP + NPS**
- Community Colleges
- 4-year Colleges
- CMMAP

Undergraduate Education Proposal (TUES, Due Jan 2011)

- Type 3: \$5 million over 5 years
- "TransDisciplinary" curriculum infusion initiative (ChangingClimates) for campus-wide climate change education
- 4 undergraduate courses on climate change developed and evaluated by CMMAP
- Professional Development workshops for undergraduate faculty (based on teacher course)
- Hypothesis testing: "Climate Concept Inventory" for evaluation
- Nationwide dissemination via UCAR E&O

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[< Prev](#) | [Table of Contents](#) | [Next >](#)

LETTERS

Time to Take Action on Climate Communication

According to broad international agreement, a global warming increase beyond 2°C is unacceptable (1). Because of the physics of the climate system, we must ensure that global emissions of greenhouse gases peak and start to decline rapidly within a decade in order to have a reasonable chance of meeting the 2°C goal (2). Humankind has waffled and delayed for decades; further delay risks serious consequences for people and the ecosystems on which we rely.

Because the potential consequences of climate change are so high, the science community has an obligation to help people, organizations, and governments make informed decisions. Yet existing institutions are not well suited to this task. Therefore, we call for the science community to develop, implement, and sustain an independent initiative with a singular mandate: to actively and effectively share information about climate change risks and potential solutions with the public, particularly decision-makers in the public, private, and nonprofit sectors. Moreover, we call on philanthropic funding institutions to endorse and provide sustained support for the initiative. 6

The initiative must make concerted efforts to provide people

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