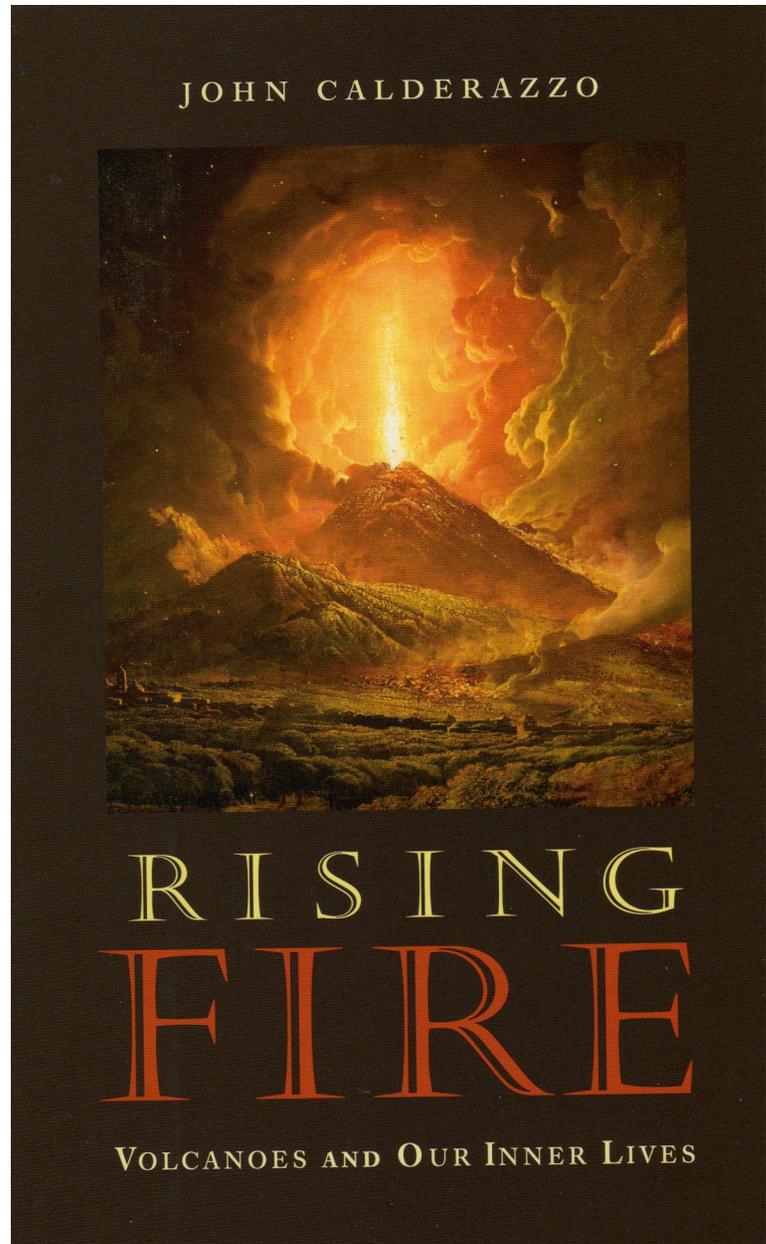
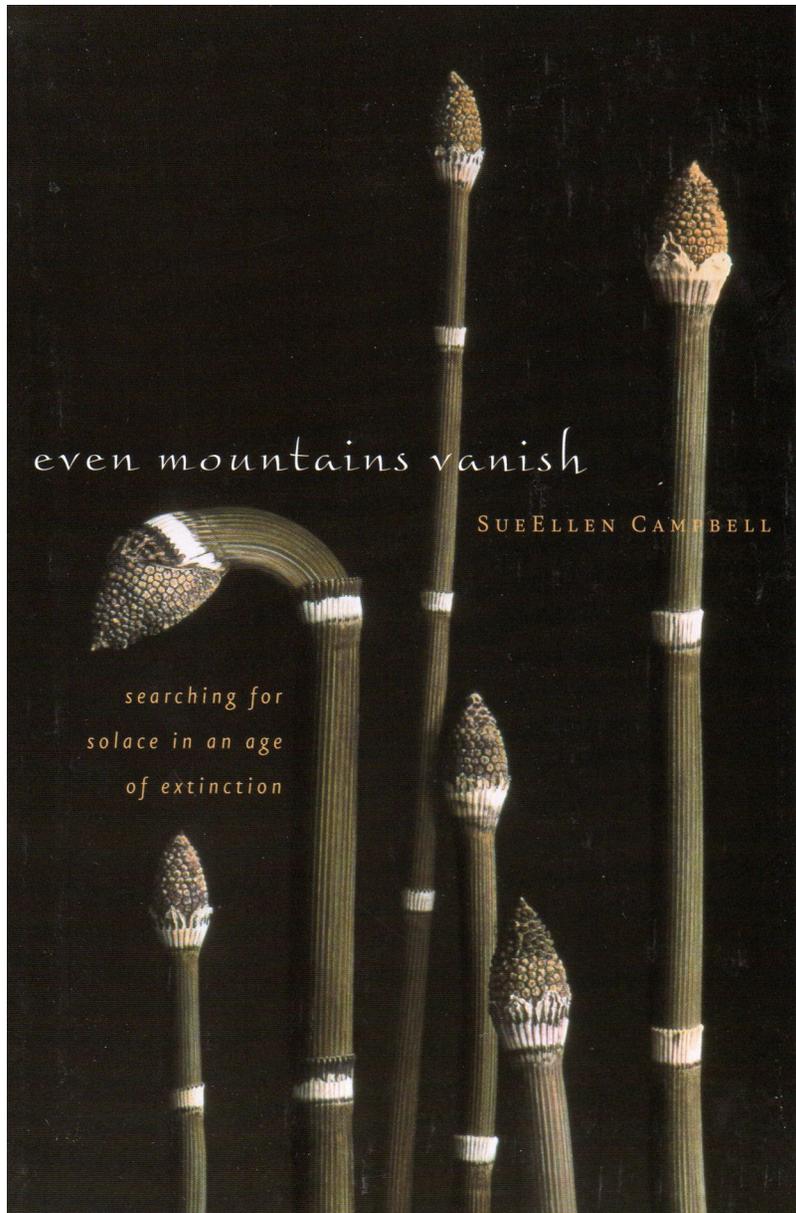


Changing Climates @ Colorado State

SueEllen Campbell,
John Calderazzo,
and many others



- Networks
- Comfort
- Community
- Curriculum



Getting Started

- Personal connections
- Word of mouth
- Repetition and deepening

The Climate Change Problem: A Primer for Faculty & Staff Fall 2007

How the Climate System Works

Scott Denning (CMMAP, Atmospheric Science)
August 28, Tuesday, 4–5:30, Lory Student Center 213–15

Climate Change: Forcing, Feedbacks, & Forecasts

David Randall (CMMAP, Atmospheric Science)
September 4, Tuesday, 4–5:30, LSC 213–15

Reconstructing & Modeling Past & Future Climates: Methods

Gene Kelly (Soil & Crop Sciences)
David Randall (CMMAP, Atmospheric Science)
September 25, Tuesday, 4–5:30, place TBA

Climate Change at Pingree Park

Bill Bertschy (Pingree Park Campus)
Dan Binkley (Forest, Rangeland, & Watershed Stewardship)
Ellen Wohl (Geosciences) and others
September 29, Saturday, 2–5, Pingree Park Campus

Biological & Ecological Effects

Alan Knapp (Biology)
October 16, Tuesday, 4–5:30, LSC 213–15

The Human Costs

Kathleen Galvin (Anthropology)
Gerald Callahan (Microbiology, Immunology, & Pathology)
James Pritchett (Agricultural & Resource Economics)
October 30, Tuesday, 4–5:30, LSC 213–15

The Challenges: Policy, Solar, Fuels, & Engines

Michele Betsill (Political Science)
Jim Sites (Physics)
Bryan Willson (Mechanical Engineering)
November 13, Tuesday, 4–5:30, LSC 213–15

The Challenges: Business, Communication, & Carbon Sequestration

John Grant (UNC)
Robert Henson (National Center for Atmospheric Research)
Steve Ogle (Natural Resource Ecology Lab)
November 27, Tuesday, 4–5:30, LSC 213–15

For more information, contact SueEllen.Campbell@colostate.edu (491-5382),
John.Calderazzo@colostate.edu (491-6896), or Margaret.Saldana@colostate.edu (491-7194)
or visit <http://changingclimates.colostate.edu>. Details and updates will appear in
"Today @ Colorado State."

Sponsored by the College of Liberal Arts, the Vice-Presidents for Research and for Advancement and Strategic Initiatives, the Vice-Provost for Outreach and Strategic Partnerships, CMMAP (a National Science Foundation Science & Technology Center), and the Departments of English and Atmospheric Science.

Colorado
State
University

Changing Climates
@ Colorado State University

Fall 2007

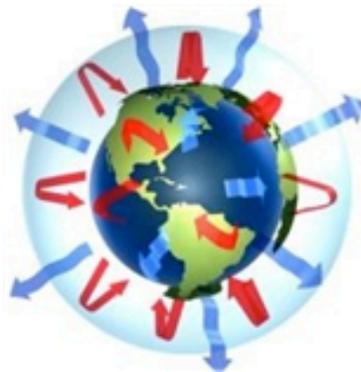
Eight seminars by and for faculty

- Climate science
- Ecological effects
- Human costs
- Pingree Park
- Policy
- Some solutions (energy, biological carbon sequestration, business)



Changing Climates @ Colorado State University

Home People Colloquium Courses Resources Poster



What, exactly, is causing Earth's climate to change, and how do we know? What difference will a few degrees more or less—or a little more rain or sunshine—make to our own lives? What will an altered climate mean to our students? What are we doing, and what more can we do, to prevent, minimize, and adapt to these changes and their effects?

Such questions are everybody's business. Indeed, they are driving research and teaching all over CSU: we are a key site for such research. But those of us who are concerned about climate change don't necessarily know each other, and the knowledge our research is producing isn't necessarily making its way to our students—or off campus to the larger community.

Changing Climates @ Colorado State is addressing these challenges. We are building a [network](#) of faculty and researchers from every CSU college whose interests and research coalesce around climate change. We are educating each other and ourselves. We are helping faculty across the curriculum add climate content to their courses. And in the next few years, we will be offering programs on the many aspects of climate change to the student body and the public.

This fall kicks off the CC@CSU program with a series of [seminars](#) for faculty and staff, a series we'll continue in the spring of 2008. During the 2008-09 school year, we will offer a similar series for larger audiences.

Please [join our network](#) if you're interested. If you'd like help adding climate materials to any [courses](#) you teach, contact [Sue Ellen Campbell](#) or [John Calderazzo](#), who will put you in touch with the right people. And look around our website for additional [information](#).

[Contact us](#) for more information!

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Colorado State University, Fort Collins, CO 80523 USA

FOCUS

THE NATION

**Global Warming
Solutions
for America**



- At least 20 talks & 38 presenters
- Two political sessions
- National webcast
- Library display—banner & booklist
- Two central hands-on rooms run by students
 - Ask a Scientist
 - Calculate Your Own Footprint
 - Pledge & pin
 - Little Shop of Physics & energy displays
 - Facilitated discussion groups

Publicity

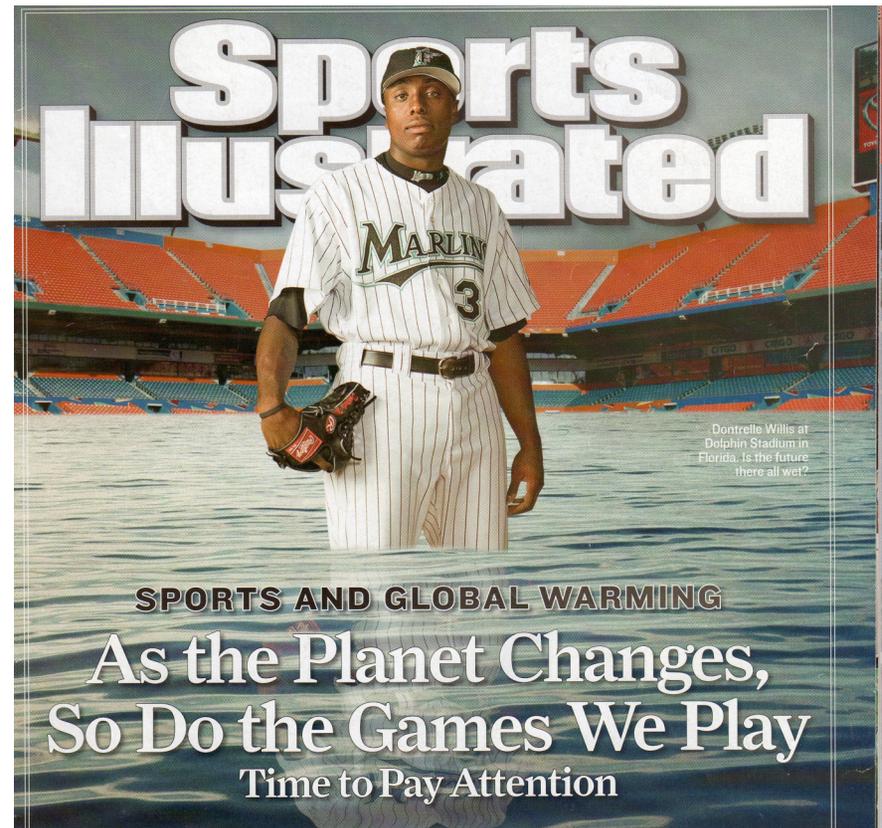
- PR releases
- Columns
- Letters
- Posters
- Students
- Faculty

Possibilities for Spring 2008



Communicating about Climate Change

- Possible lectures by Lisa Dilling, CU; Bob Henson, UCAR; Jim Tucker, NASA; and/or Anthony Leiserowitz, Yale
- Workshops on talking to policy makers, to the press, & to the public, each with a scientist advisor



Teaching Climate Change

- . . . to all levels, across whole university, in whole courses, parts of courses, examples in skills courses
- Possible lecture by Nalini Nadkarni
- Workshop on what's needed to launch infusion effort



Teaching Advisory Team

Train and launch a team to help CSU faculty include climate change in their courses

- workshops
- comfort with subjects outside field
- fall 08 NR freshman seminar
- work with E 641 on wish-list for . . .

Primer Packet

- To be produced by students in E 641, Writing about Climate Change
- Clear, vivid, accurate basics
- Clear links from step to step
- Seemingly common-sense
- Single sheets, laminated, loose-ring
- CC@CSU Website and CDs



Maybe

. . . continue seminars as brown-bag lunches?

Chris Jordan, Plastic Bottles, 2007, 60x120": Depicts two million plastic beverage bottles, the number used in the US every five minutes.



And plan
large lecture series
for community and student body

Possible Fall 08

Local talent, low costs

- Science (Scott Denning, Dave Randall)
- Ecology (Alan Knapp, Julia Klein)
- Humans (Lori Peek)

Possible Spring 09

Local and nearby talent

- **Politics and Policy**
 - Michele Betsill
- **Public Energy Conservation & Alternatives**
 - Chuck Kutscher? (NREL, Golden)
- **Water**
 - Brad Udall? (CU, Boulder)

Possible Fall 09

Unknown talent, likely more expensive

- Money
- Faith
- The Arts
- A Low-Carbon Personal Life

Art

- The picture of the four lively people is by 7-year-old Mahta Bazzaz of Iran. See http://www.unep.org/tunza/paintcomp/gal_winners.asp?gal=4th
- The picture of the person holding the umbrella is by 12-year-old Charlie Sullivan of the United Kingdom. See http://www.unep.org/tunza/paintcomp/gal_winners.asp
- The picture of the man raising the curtain on the smokestacks is by 8-year-old Anoushka Bhari of Kenya. See http://www.unep.org/tunza/paintcomp/gal_winners.asp?gal=4th

All these are winners of the children's climate change art contest run by the UNEP. The umbrella picture was the first-place winner.

Chris Jordan's bottle piece is on his website: <http://www.chrisjordan.com/>

The other pieces I showed with this presentation were from the catalog of the show *Weather Report: Art and Climate Change*, curated by Lucy Lippard for the Boulder Museum of Contemporary Art (BMoCA).