100 Views of Climate Change

Changing Climates @ Colorado State

SueEllen Campbell

&

John Calderazzo

CMMAP Team Meeting
July 2009

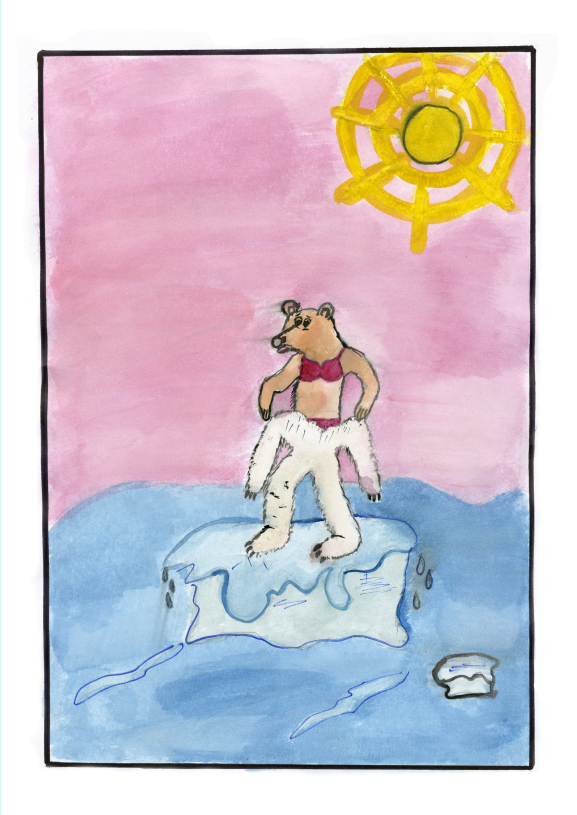
Climate change is everybody's business

All the Mount Fuji woodblock prints are by Katsushika Hokusai, 1760–1849

We will need everybody's skills & perspectives

So we are drawing on local resources

- to make up-to-date, high-quality information readily available
- partly through campus-wide curriculum infusion
- beginning with 4 lecture series



Catherine Nishchuk, 13, Russia, 2007 UNEP Children's Art contest

CLIMATE CHANGE: WHAT WE ALL NEED TO KNOW

A Public Lecture Series

Fall 2008 & Spring 2009
Colorado State University
Lory Student Center North Ballroom
Thursday evenings • 7 pm • FREE

September 11
Climate Change: Past, Present, and Future
Dr. David Randall, CSU, Atmospheric Science, CMMAP

October 9
The Biological and Ecological Effects of Climate Change
Dr. Alan Knapp, CSU, Biology

November 6
The Economics of Climate Change
Dr. Charles Kolstad, University of California, Santa Barbara, Economics

November 13
Climate Change and the Literary Imagination
Linda Bierds, University of Washington, English
Marybeth Holleman, University of Alaska, Anchorage, English

February 5
Solutions to the Climate/Energy Problem
Dr. Scott Denning, CSU, Atmospheric Science, CMMAP
(This will also be the keynote event for a two-day teach-in about global warming solutions, February 4 and 5, Lory Student Center.)

March 12
The Effects of Climate Change on People
Dr. Lori Peek, CSU, Sociology

April 9
Climate Change Politics and Policy Making
Dr. Michele Betsill, CSU, Political Science

This series is sponsored by CMMAP (the Center for Multiscale Modeling of Atmospheric Processes, a National Science Foundation Science and Technology Center) and by the Office of the President of Colorado State University. The Department of Economics and the Department of Agricultural and Resource Economics are helping sponsor Dr. Kolstad's visit. The Lilla B. Morgan Fund and CSU Creative Writing Series are sponsoring Linda Bierds and Marybeth Holleman. For more information, visit http://changingclimates.colostate.edu or contact John.Calderazzo@colostate.edu or SueEllen.Campbell@colostate.edu.

Photograph by Michael Menefee

Colorado State University

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.

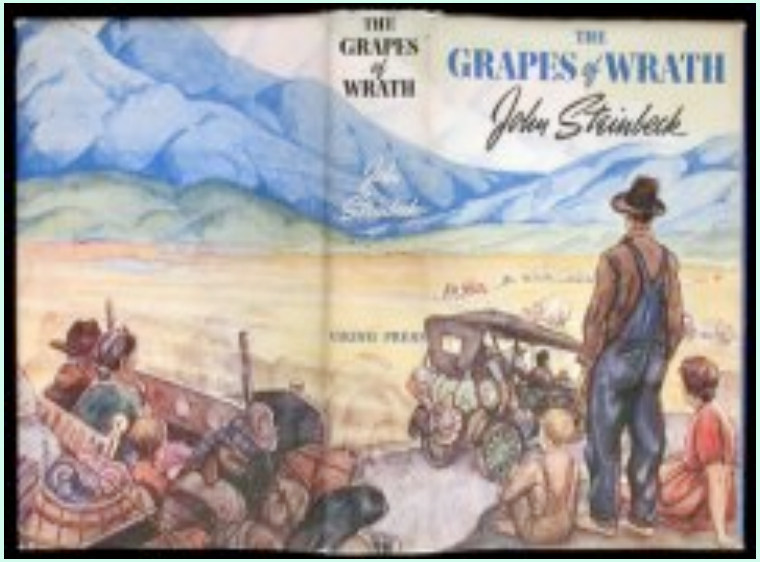
Colorado State University

Changing Climates @ Colorado State University

- 100+ talks
- 100+ speakers
  - 27 departments
  - 8 colleges
  - other campus entities
  - town, state, region, nation

~ 5500 listeners

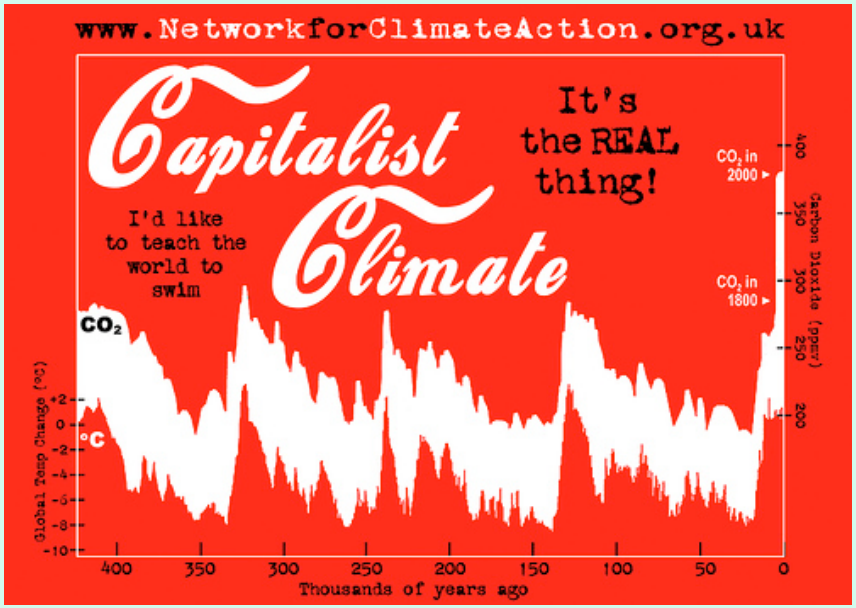
- Earth Sciences
- Policy and Politics
- Effects on Humans
- Energy Solutions
- Green Buildings
- Economics, Business
- Agriculture, Rangelands
- Communication
- Art, Literature, Ethics
- Individual Actions, Daily Life



Website

changingclimates@colostate.edu

- Archives
  (>40 speakers)
- Resources
  (more to come)



Curriculum Infusion

Art by Charlie Sullivan (12), UK, UNEP Children's Art Contest, 2007

Within disciplines (CO 150)

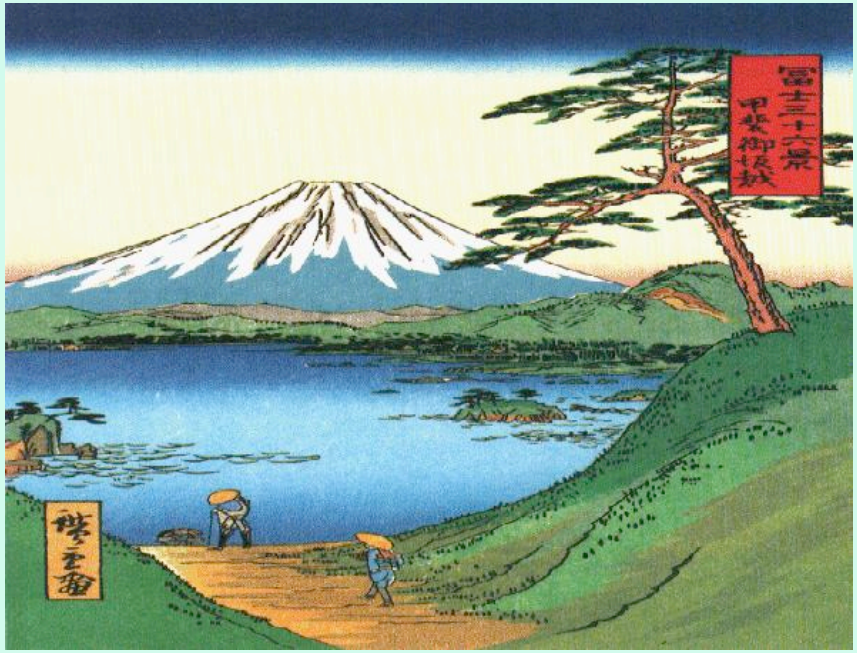
Among disciplines

Beyond expertise

Short Videos

Trans-disciplinary, basic "fact" topics, for classroom use & easy public access, coached, our website, YouTube

- GHG molecule behavior
- International policy agreements
- Climate refugees
- Our obligation to future generations
- Communication tips & traps



Short Web Texts
(Infusion Primers)

Discipline-specific,
for teachers,
big classes when possible

Psychology
English
History
Journalism
Anthropology

& materials for climate change courses

Spreading the word

Kevin VanDenBrouche, 13, Belgium, 2007
UNEP Children's Art Contest

So far . . . .

- FC/CSU publications
- Our own writing
- Our own professional meetings
- Oregon State University
- NSF

Next week . . . ESA

Future?

- More videos and infusion primers
- More work on web page & design
- Multidisciplinary training for college teachers (at CSU)
- Traveling Chautauqua: basics, including meanings (personal and cultural)
- Communication training
- Multidisciplinary course development

And looking for volunteers!

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