

**America's**  
**CLIMATE CHOICES**  
AT THE NATIONAL ACADEMIES



# Overview of ACC Study Activities And Their Status

**Tom Wilbanks**

**Natural Hazards Workshop**

**Broomfield, CO**

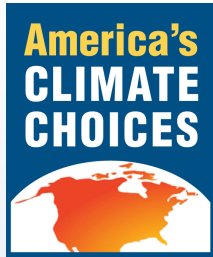
**Sunday, 11 July 2010**

**THE NATIONAL ACADEMIES**

*Advisers to the Nation on Science, Engineering, and Medicine*

## **Here Is What Is to Come in This Session:**

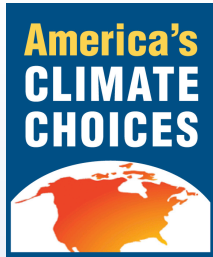
- **I will provide an overview of the NAS America's Climate Choices study**
- **Distinguished colleagues will summarize the content and findings of three panel reports that were released on May 19, 2010**
- **At the end, I will add a few remarks about relationships between climate change impact and response research and natural hazards/disaster risk reduction research**



# Congressional Request

The Department of Commerce Appropriations Act of 2008 (Public Law 110-161) called for the National Oceanic and Atmospheric Administration (NOAA) to execute an agreement with the National Academy of Sciences to establish a committee that will:

**“...investigate and study the serious and sweeping issues relating to global climate change and make recommendations regarding what steps must be taken and what strategies must be adopted in response to global climate change, including the science and technology challenges thereof.”**

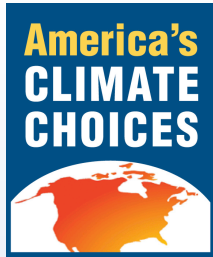


# Study Overview

Four panels were convened to study and write reports on:

- *Limiting the Magnitude of Future Climate Change*
- *Adapting to the Impacts of Climate Change*
- *Advancing the Science of Climate Change*
- *Informing Effective Decisions About Climate Change*

A *Committee on America's Climate Choices* was also appointed to coordinate study activities, convene a *Summit* (held March 2009) as well as other cross-cutting activities, and write a *Final Report*



# Committee on America's Climate Choices

Albert Carnesale (*Chair*), University of California, Los Angeles

William Chameides (*Vice Chair*), Duke University

Donald Boesch, U. Maryland

Marilyn Brown, Georgia Tech

Jonathan Cannon, U. Virginia

G. Wayne Clough, Smithsonian

Thomas Dietz, Michigan State

Robert Fri, Resources for the Future

James Geringer, ESRI

Chad Holliday, DuPont

Katherine Jacobs, Arizona Water Inst.

Thomas Karl, NOAA NCDC

Diana Liverman, Oxford/U. Arizona

Pamela Matson, Stanford University

Peter Raven, Missouri Botanical Garden

Richard Schmalensee, MIT

Philip Sharp, Resources for the Future

Peggy Shepard, WE ACT

Robert Socolow, Princeton University

Susan Solomon, NOAA ESRL

Björn Stigson, World Business Council  
for Sustainable Development

Thomas Wilbanks, Oak Ridge Nat'l Lab

Peter Zandan, Public Strategies, Inc.



# Panel on Limiting the Magnitude of Future Climate Change

Robert Fri (*Chair*), Resources for the Future

Marilyn Brown (*Vice Chair*), Georgia Institute of Technology

Doug Arent, National Renewable Energy Laboratory

Ann Carlson, University of California, Los Angeles

Majora Carter, Majora Carter Group

Leon Clarke, Pacific Northwest National Laboratory

Francisco de la Chesnaye, Electric Power Research Institute

George Eads, CRA International

Genevieve Giuliano, University of Southern California

Andrew Hoffman, University of Michigan

Robert Keohane, Princeton University

Loren Lutzenhiser, Portland State University

Bruce McCarl, Texas A&M University

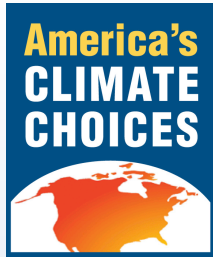
Mack McFarland, DuPont

Mary Nichols, California Air Resources

Edward Rubin, Carnegie Mellon University

Thomas Tietenberg, Colby College (Ret.)

James Trainham III, Sundrop Fuels, Inc.



# Panel on Adapting to the Impacts of Climate Change

Katharine Jacobs (*Chair*), Arizona Water Institute

Thomas Wilbanks (*Vice-Chair*), Oak Ridge National Laboratory

Bruce Baughman, IEM, Inc.

Roger Beachy, Donald Danforth  
Plant Science Center

Georges Benjamin, American Public  
Health Association

James Buizer, Arizona State

Terry Chapin, University of Alaska

W. Peter Cherry, SAIC

Braxton Davis, South Carolina Dept.  
Health and Environmental Control

Mayor Jeremy Harris (Retired),  
Sustainable Cities Institute

Robert Kates, Independent Scholar

Howard Kunreuther, University of  
Pennsylvania

Linda Mearns, National Center for  
Atmospheric Research

Philip Mote, University of Washington

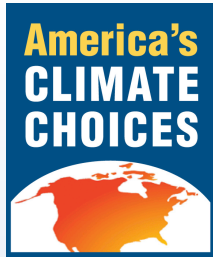
Andrew Rosenberg, University of New  
Hampshire

Henry Schwartz, Jr., Jacobs Civil (retired)

Joel Smith, Stratus Consulting, Inc.

Gary Yohe, Wesleyan University

+ Kristie Ebi



# Panel on Advancing the Science of Climate Change

Pamela Matson (*Chair*), Stanford University

Thomas Dietz (*Vice Chair*), Michigan State University

Waleed Abdalati, University of Colorado

Antonio Busalacchi, Jr., University of Maryland

Ken Caldeira, Carnegie Institution

Robert Corell, Heinz Center

Ruth DeFries, Columbia University

George Hornberger, Vanderbilt University

Maria Carmen Lemos, University of Michigan

Susanne Moser, Independent Consultant

Richard Moss, World Wildlife Fund

Edward Parson, University of Michigan

A. R. Ravishankara, NOAA Earth System Research Laboratory

B. L. Turner II, Arizona State University

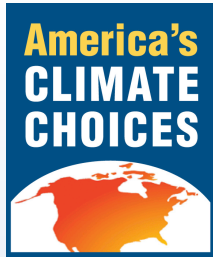
Warren Washington, National Center for Atmospheric Research

John Weyant, Stanford University

David Whelan, The Boeing Company

+ Inez Fung, Steven Gaines, Raymond Schmitt





# Panel on Informing Effective Decisions and Actions Related to Climate Change

Peter Raven (*Chair*), Missouri Botanical Garden

Diana Liverman (*Vice Chair*), University of Arizona / Oxford

Daniel Barstow, Technical Education  
Research Centers

Rosina Bierbaum, University of Michigan

Daniel Bromley, University of Wisconsin

Anthony Leiserowitz, Yale University

Robert Lempert, The RAND Corporation

Jim Lopez, King County (Washington)

Edward Miles, University of Washington

Berrien Moore, Climate Central

V. Ramaswamy, NOAA Geophysical Fluid  
Dynamics Laboratory

Richard Richels, Electric Power Research  
Institute

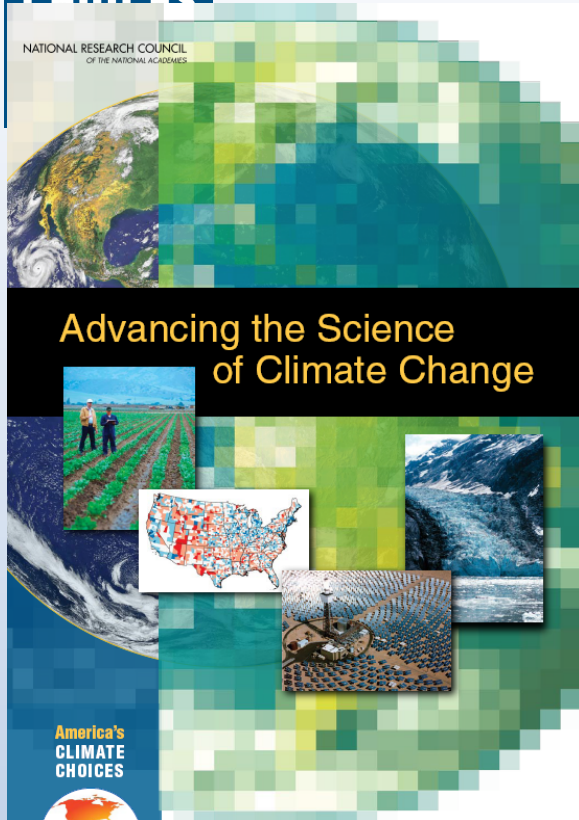
Kathleen Tierney, University of Colorado

Chris Walker, The Climate Group

Shari Wilson, Maryland Department of the  
Environment

+Douglas Scott, Mark Newton

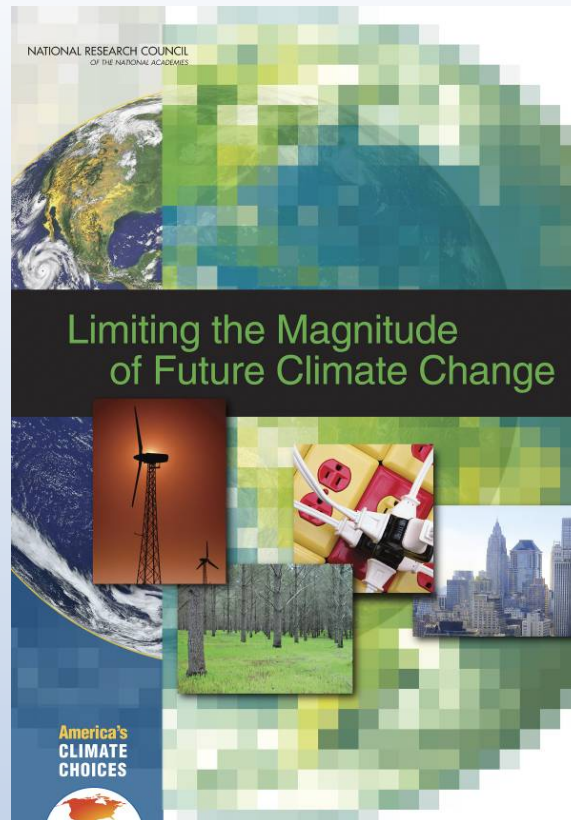
# Three Reports Released on May 19



**Presenters:**

**Pamela Matson (Chair),  
Stanford University**

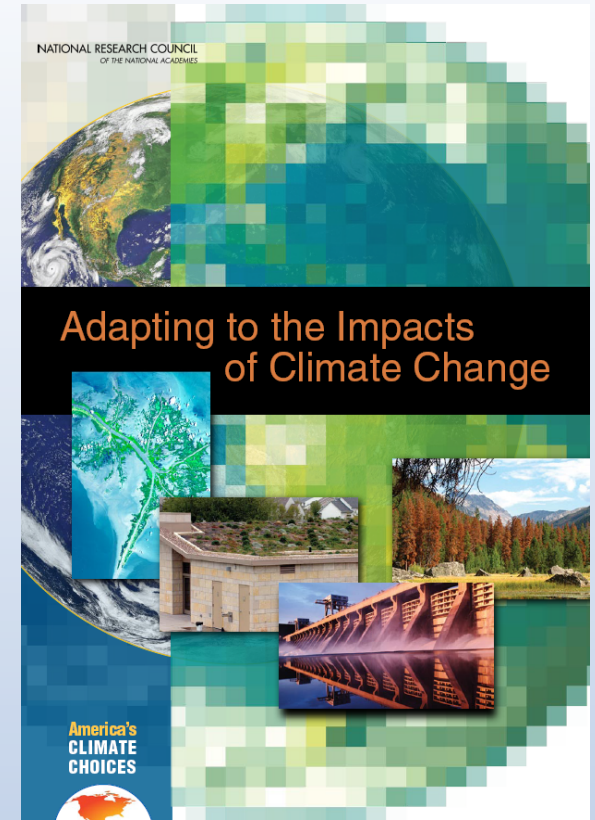
**Thomas Dietz  
(Vice-chair), Michigan State**  
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**Presenters:**

**Robert Fri (Chair), Resources  
for the Future**

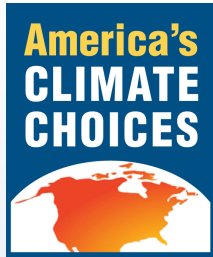
**Marilyn Brown  
(Vice-chair), Georgia Tech**



**Presenters:**

**Thomas Wilbanks (Chair),  
Oak Ridge National Lab**

**Gary Yohe (Member),  
Wesleyan University**  
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## The Status of the Remaining Activities:

The report on *Informing Effective Decisions About Climate Change* will be released this week

The final “overarching report” by the *Committee on America’s Climate Choices* is in its second draft, being discussed by CACC this week, and is being aimed toward completion by September 2010