

BOARD ON ENVIRONMENTAL CHANGE AND SOCIETY





BECS Mission

Science to Manage Environmental and Social Transitions

- Increase problem-focused understanding of coupled human-environment systems
- Inform transitions to improved human well-being in the face of environmental change

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BECS and BASC: CONTINUA

Some Examples to Illustrate
Differences and Similarities



BASC ←→ **BECS**





BECS Expertise

- *Decision sciences*
- *Socio-ecological interactions*
- *Socio-economic valuation of environmental goods*
- *Energy and natural resource management*
- *Environmental governance, including risk analysis*
- *National and international sustainable development*

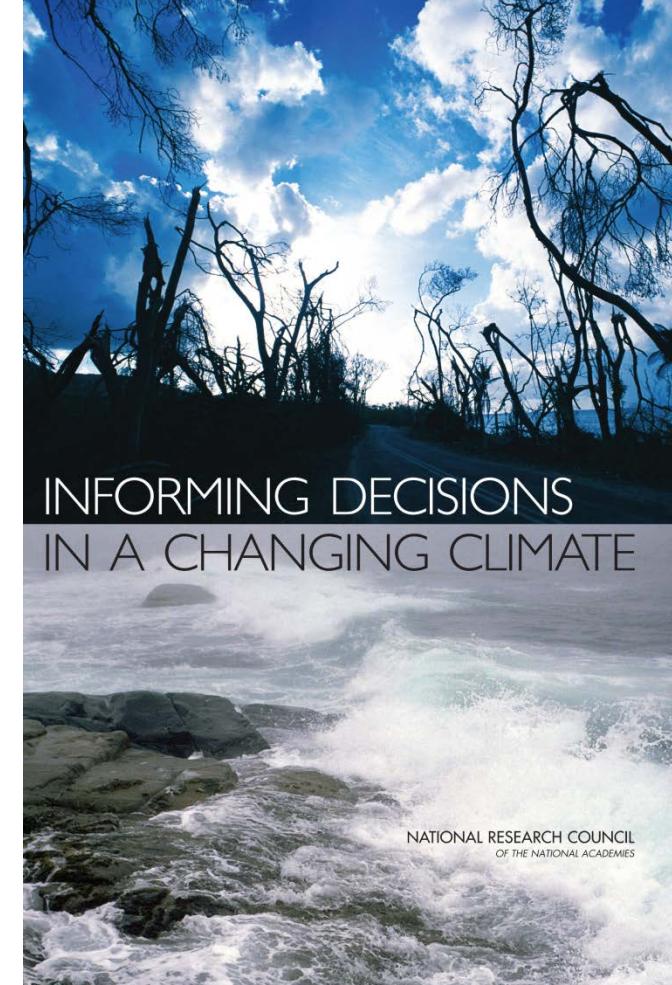
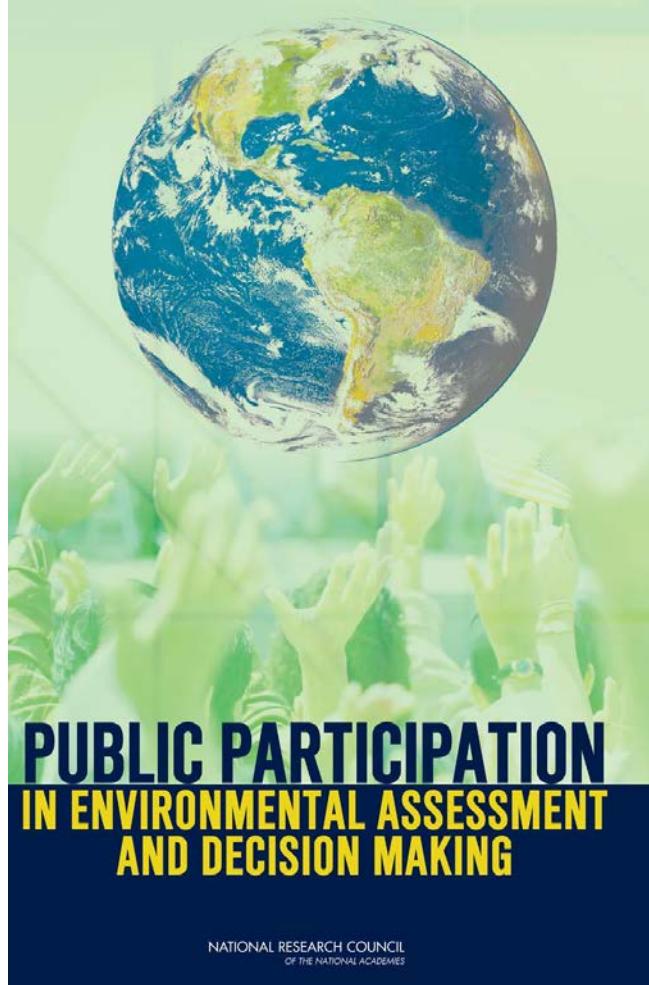


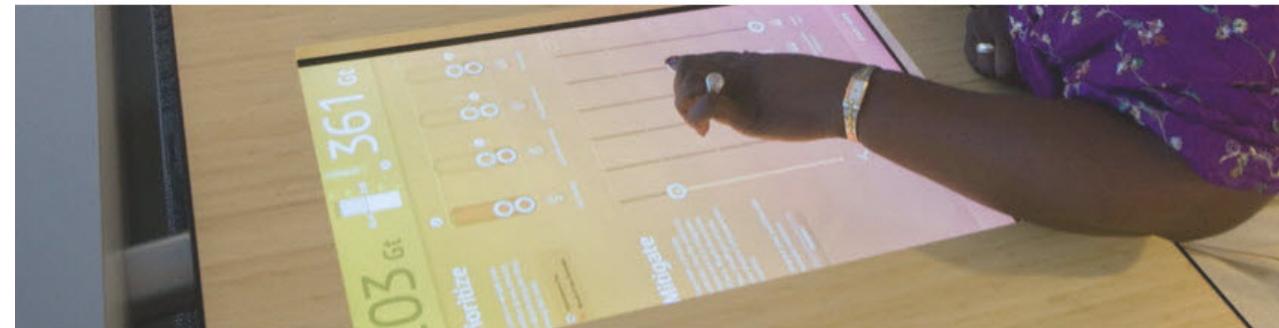
BECS Current Portfolio

- *Climate and Social Stress: Implications for Security Analysis* (recently completed)
- Risk Management and Governance Issues in Shale Gas Extraction
- Sustainability Science: Preparing for 10 Billion on the Planet (with CPOP and BLS)
- U.S. GCRP Advisory Committee (with BASC)
- Engaging Forestland Owners (with BOSE)



Related BECS Reports





The "decision table" in the Earth Lab exhibit at the Marian Koshland Science Museum, at which visitors can interact with scientific data and see the consequences of their decisions ([read more...](#)), was developed with contributions from BECS members Joe Arvai and Jim Sweeney and former member Tom Dietz. (photo credit: Marian Koshland Science Museum).

BECS - TOPICS

- ▶ People-Environment Interactions
- ▶ People and Climate Variation
- ▶ People and Resource Decisions
- ▶ People and Adaptation to Change
- ▶ People, Risk, and Resilience
- ▶ Research, Education, and Evaluation

New: [Climate and Social Stress](#)



BECS' latest report, *Climate and Social Stress: Implications for Security Analysis*, released 9 November 2012, is now in print. The report discusses the complex relationship among climate, other environmental conditions, and socioeconomic and political conditions. Factors that link climate events to outcomes of security concern include nature of the event, exposure of people and things of value to people to the event, their susceptibility to harm, and their societies' coping, response, and recovery capabilities. Obtain a free PDF or order the book [here](#); or read the [Report-in-Brief](#).

UPCOMING EVENT

Sustainability Science:
Can Earth's and Society's Systems Meet the
Needs of 10 Billion People?

Public Workshop: 30 Sep - 1 Oct 2013

- See the [Draft Agenda](#)
- [Read about this workshop](#)
- [Register to attend](#)

This public workshop will feature invited presentations and discussions directed at a careful empirical examination, through the lenses of both natural and social sciences, of the key issues in the science of sustainability that are related to overall population size, growth, aging, differential consumption, land use, etc. Throughout, the questions "what do we know?" and "what do we not know?" will be prominent; the workshop will conclude with group discussion of needed research directions.

(co-organized by: BECS, CPOP, and BLS)