

DOI Climate Change elements

NOAA Climate Services

DOI Climate Change Response Council:
Secretary (Chair)
Deputy Secretary (Co-Chair); Assistant Secretaries, Bureau Directors

Federal Land Agencies

Climate Change and Energy Task Force
(Deputy Asst. Secretaries. & Senior Level Bureau Staff)

Regional Climate Science Centers

- Coordinated science and data delivery**
- Climate modeling
 - Monitoring / Data integration
 - Downscaled modeling
 - Forecasting
 - Unified Monitoring and Data Collection

Landscape Conservation Cooperatives

- Adaptation planning and decision support**
- Vulnerability and risk assessments
 - Ecosystem monitoring / modeling
 - Strategic habitat conservation
 - Scenario planning

Public Lands Carbon Project

- Biological Carbon Sequestration**
- Assessing carbon storage potential of DOI lands
 - Promoting management strategies to enhance carbon benefits of natural landscapes
- Geologic Carbon Sequestration**
- Capture and geologic storage

Carbon Footprint Project

- Unified GHG Emissions Reduction Program**
- Efficiency programs across all DOI Bureaus
 - Assessing visitor and concessions
 - Activities on public lands



FY2010 – \$10M Budget / Funding Elements

Establish Response Program and Project Funding

- **Climate Change Program Manager**
- **Climate Scientist**
- **Climate Change Communication Specialist**
- **Program Analyst**
- **Climate Change Assistant**

Provide service-wide coordination for policy, science, planning, mitigation, adaptation, and communication;

Seed money for prototype assessment and scenario planning

- **Project Funding (\$3.0 M)**
 - Targeted vulnerability assessment, scenario development, and adaption planning
 - Competitive projects
- **Internship and Fellowship Programs**



FY2010 – \$10M Budget / Funding Elements

Enhance Existing Network Monitoring Capacity

- Climate Change Monitoring Coordinator
- Climate Change Ecologist
- Enhanced Monitoring (\$1.6 M)

- High Elevation
- North Atlantic Coastal
- South Atlantic Coastal
- Pacific Island
- High Latitude (Alaska)
- Arid Lands

*Leverage Vital Signs network capacity;
Partner with others to enhance monitoring
and data integration*

- Ecosystem Modeling (\$200 K)
 - Joint project with NSF, NASA, FWS, USGS
- Unified Monitoring and Data Collection (\$550 K)



FY2010 – \$10M Budget / Funding Elements

Adaptation Strategies

- National Adaptation Coordinator
- Cultural Resource Adaptation Specialist
- Landscape Ecologist
- Resource Planner (.5 FTE)
- Energy Coordinator
- Landscape Adaptation Coordinators at LCCs
 - Northern Rockies
 - Pacific Islands
 - South Atlantic
 - North Atlantic
 - Urban Parks
- Climate Adaptation Scientists at Climate Science Centers
 - Alaska
 - Pacific Northwest
 - Southwest (2011?)

Implement high priority park and regional adaptation and mitigation projects; Coordinate with other bureaus and agencies to build [DOI] Climate Science Centers and Landscape Conservations Cooperatives



National Park Service Climate Change Response Strategy

DRAFT January 2010





Summing Up

- **NPS is committed to landscape collaboration for promoting climate change adaptation and mutual learning**
- **NPS does not have the funding that others have; we have fewer positions so we are trying to be strategic**
- **NPS Science Initiative will help build climate change adaptation capacity in the agency**
- **We are building an adaptation network and we encourage partners in the CESU to engage in discussions and action at the regional and national levels**
- **Nobody has the answers; this is new - it is an opportunity to help shape a direction**