

Science, Service, Stewardship



2nd National Social Indicators Workshop

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**NOAA
FISHERIES
SERVICE**



Workshop objectives

- Review progress to date
- Review methodology
- Present concepts and conceptual model
- Determine national indicators
- Identify new variables and data sources
- Chart next steps
- Form working group



NOAA's Next Generation Strategic Plan

- Goal:** In version 4 of NOAA's Next Generation Strategic Plan (NOAA 2010) a long term goal is to ensure resilient coastal communities and economies that are environmentally and economically sustainable in the face of increasingly complex interdependence of ecosystems and economies.
- **Objective:** Resilient coastal communities that can adapt to the impacts of hazards and climate change.
 - **Develop and provide** spatially relevant and integrated data, including social and economic data to support risk analysis.



Fish and Wildlife Service strategic plan for climate change

- “Recognizes that adaptation strategies can be anticipatory. **Anticipatory adaptation manages towards** new climate change-induced **equilibrium**. Adaptation abates the impact by trying to maintain the current condition despite climate change “ (Benson & Garmestani 2011).

Benson & Garmestani (2011), “Can we manage for resilience? The integration of resilience thinking into natural resource management in the United States.” [Environmental Management](#) (48):392-399



Project objective

- Develop indices comprised of social, economic, and environmental variables to measure community vulnerability and resilience in relation to community dependence on fishing in the Eastern U.S.





Parameters

- Feasible with available resources
- Quantifiable
- Data available
- Trackable
- Understandable



Applications

- Social Impact Assessment
- National Standard 8
- Environmental Justice
- National metric