Sustaining Academic Networks and Integration with Management: Part of Sea Grant's DNA

Image: asean.usmission.gov

Sea Grant
Texas • Louisiana • Florida
Mississippi-Alabama

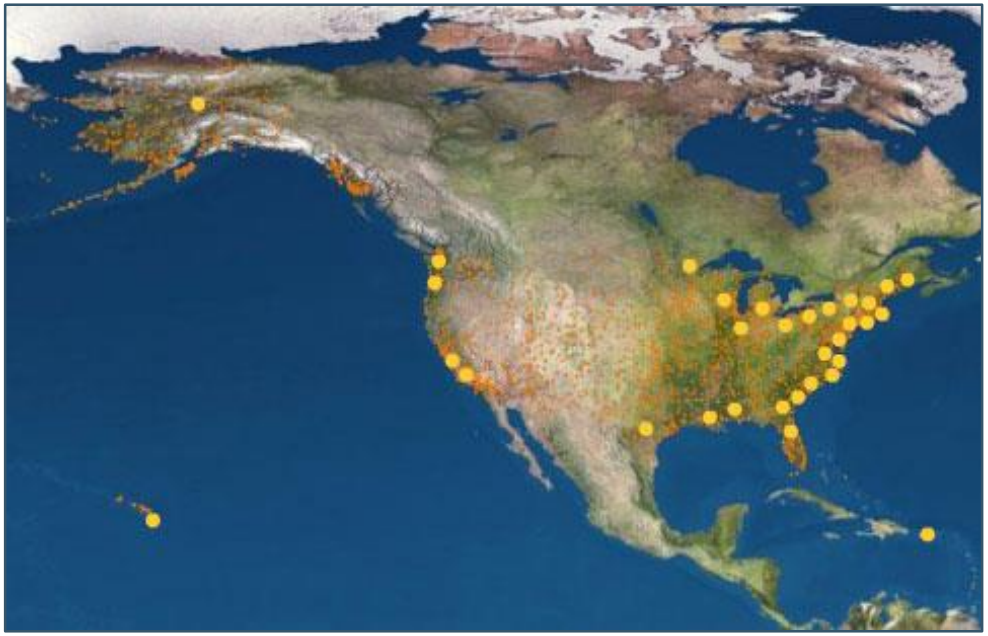
Mississippi-Alabama Sea Grant Consortium

Southern Association of Marine Laboratories
Annual Meeting
May 5-7, 2019

Sea Grant 50 YEARS

Sea Grant

- University-based program
- Partially supported by NOAA and states
- A national network
- Four focus areas



Science Serving America's Coasts

The Model

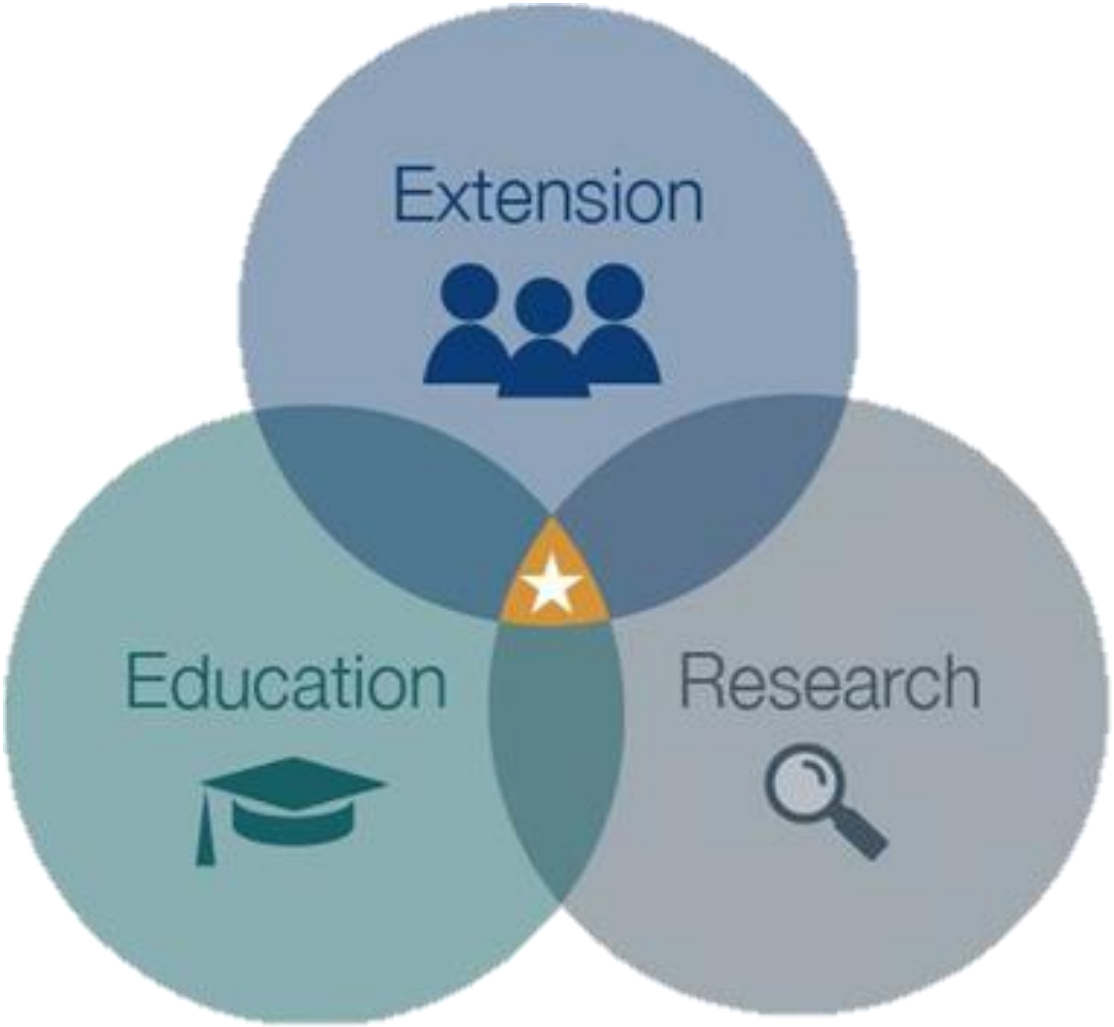
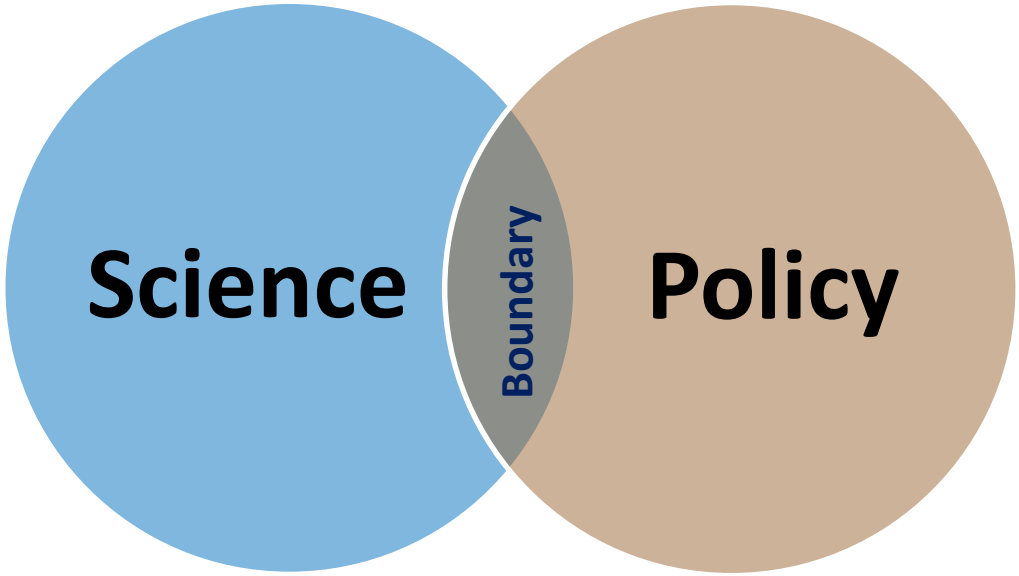


Image: John Jacobs, Texas A&M Univ.

Boundary Organization

- **Formal structures that create linkages across boundaries**
- **Neutral, impartial, and credible**
- **Requires trust**



Boundary Organization Traits

Translation	Dual Accountability	Co-production of Information

• Speak multiple languages
  • Science
  • Policy
	• Accountable to **producers** and **users** of knowledge by cultivating relationships	• Value added when producers and users collaborate

Based on Relationships

Energy and Environment

The Deepwater Horizon spill may have caused 'irreversible' damage to Gulf Coast marshes

"Is there any validity to this?"

6 years after BP oil spill, tar balls continue to wash onto AL beaches

Published: Thursday, May 12th 2016, 8:50 am CST
Updated: Monday, May 16th 2016, 3:58 am CST

By Sally Pitts, Anchor / Reporter CONNECT

"You need to read this. I'm not sure if a response is necessary, especially if the facts quoted are correct. Are they?"

Needs Based Planning

- **Scientifically meritorious projects**
- **Relevancy review**

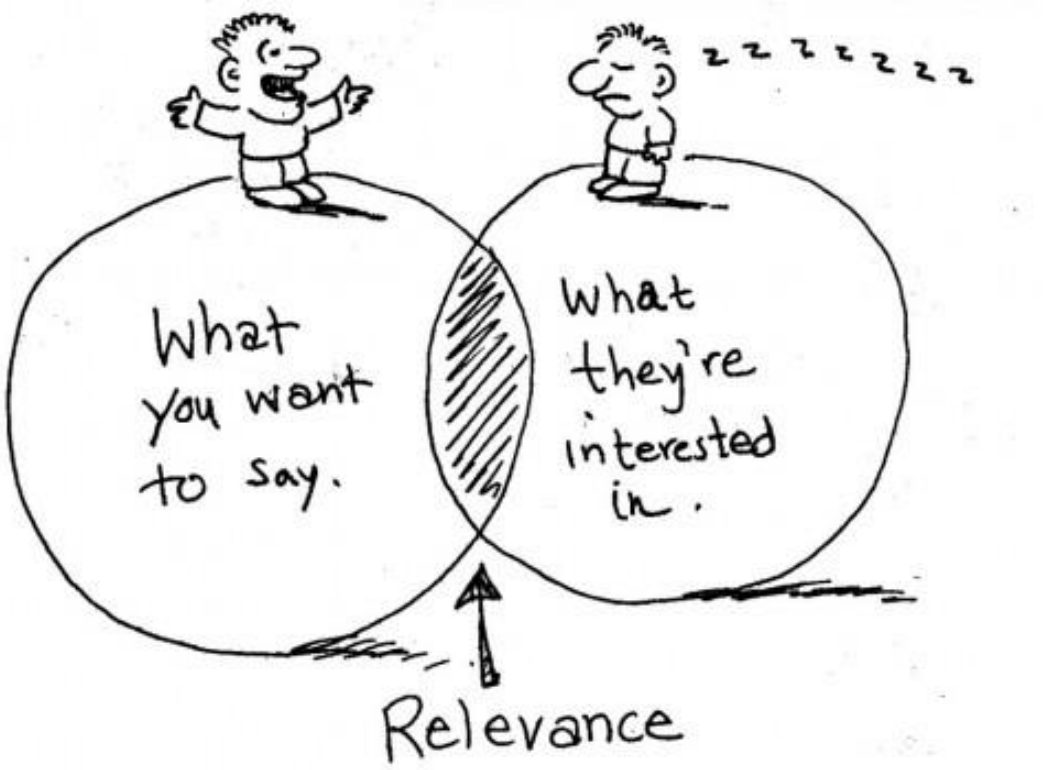
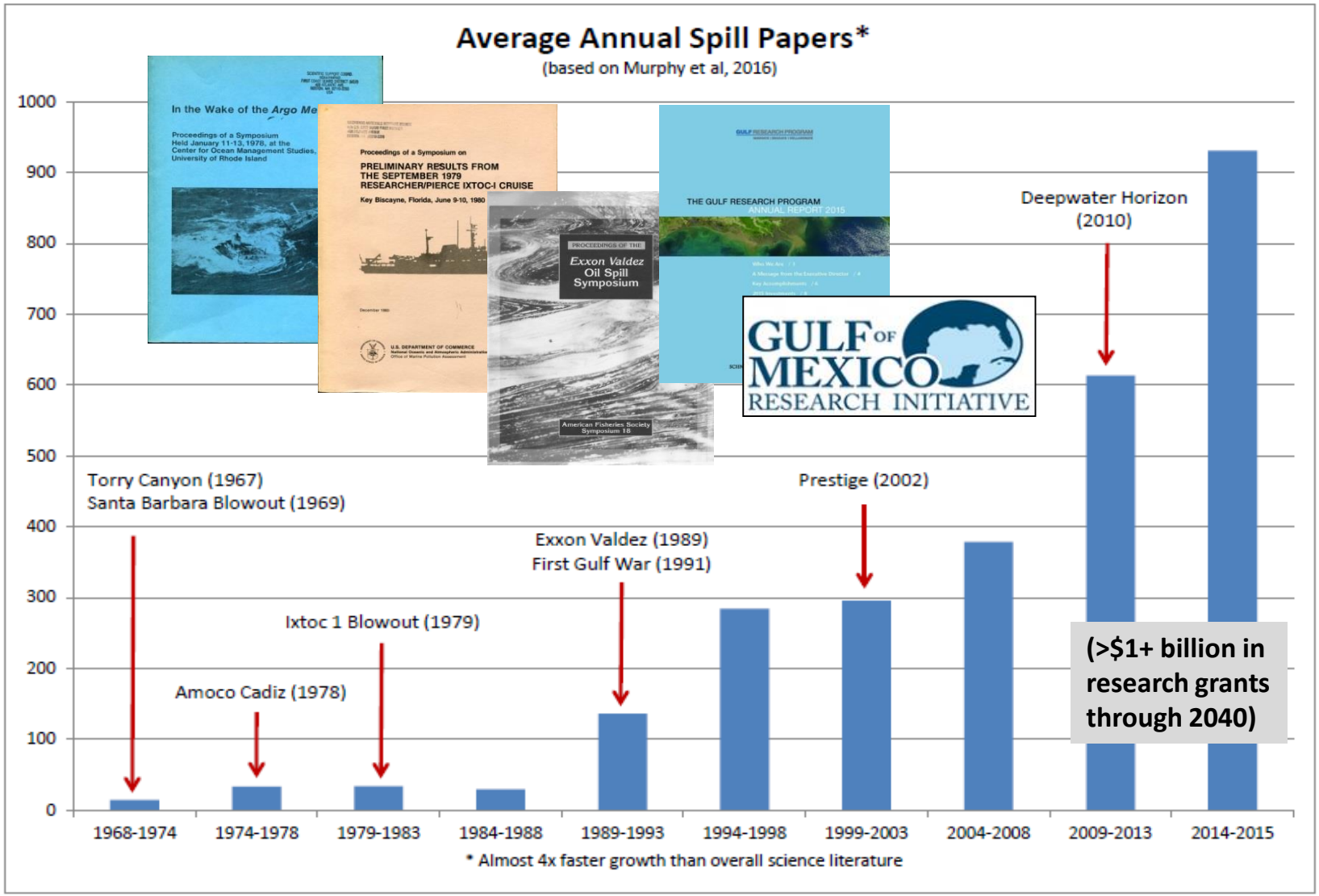


Image: www.markramseymedia.com

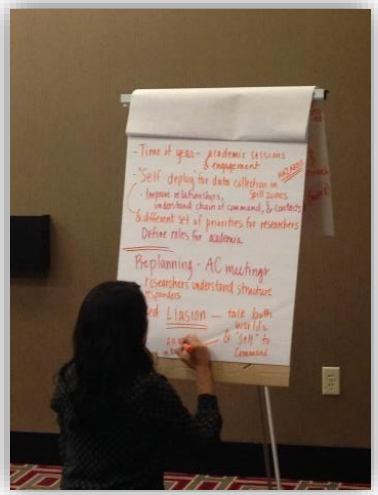
Case I: Technological Disasters

The Fire Hose

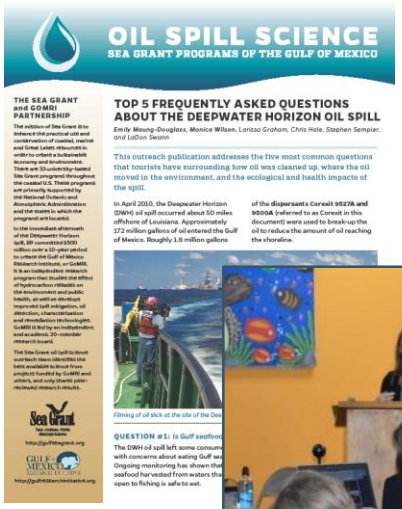
(Graphic credit: NOAA OR&R)



Needs, Research and then Application



Sustained Engagement


OIL SPILL SCIENCE
SEA GRANT PROGRAMS OF THE GULF OF MEXICO

THE SEA GRANT and GOMRI PARTNERSHIP

TOP 5 FREQUENTLY ASKED QUESTIONS ABOUT THE DEEPWATER HORIZON OIL SPILL

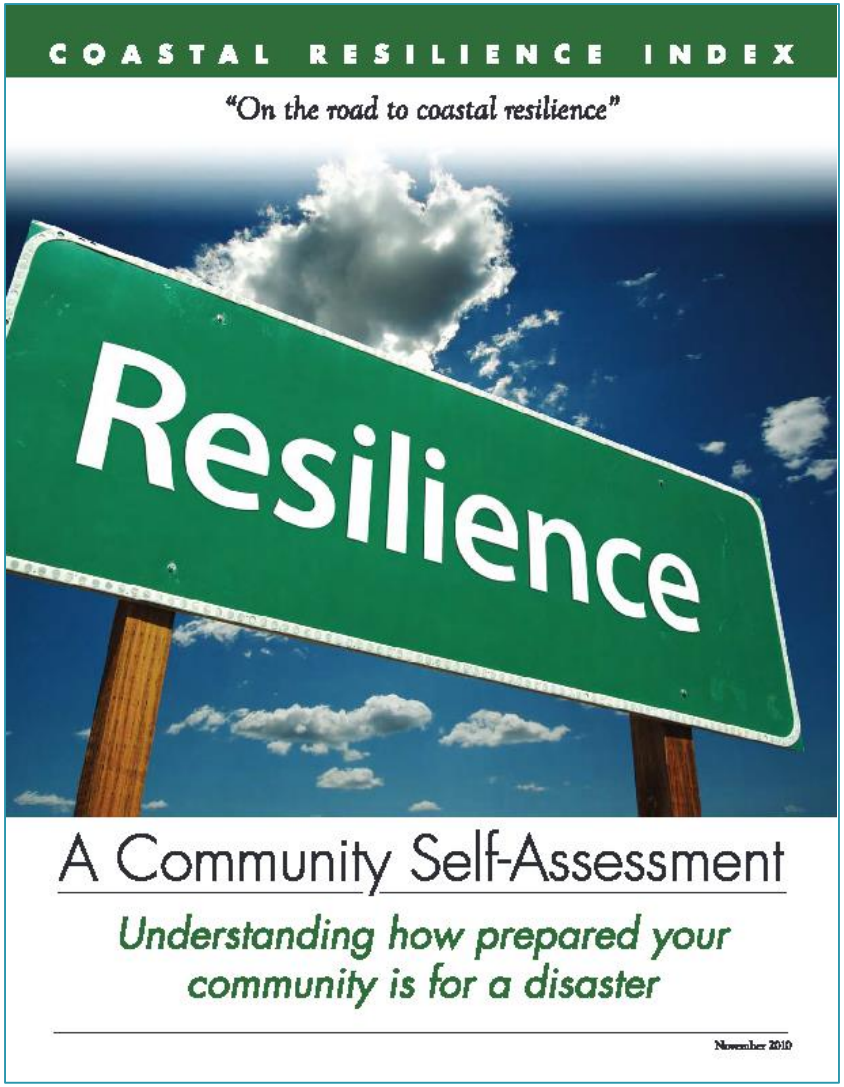
Emily Maung-Douglass, Monica Wilson, Larissa Graham, Chris Hale, Stephen Sempier, and LaDon Swann

This outreach publication addresses the five most common questions that tourists have surrounding how oil was cleaned up, where the oil moved in the environment, and the ecological and health impacts of the spill.

In April 2010, the Deepwater Horizon (DWH) oil spill occurred about 50 miles offshore of Louisiana. Approximately 172 million gallons of oil entered the Gulf of Mexico. Roughly 1.8 million gallons of the dispersants Corexit 9527A and 9500A (referred to as Corexit in this document) were used to break up the oil to reduce the amount of oil reaching the shoreline.

Case II: Natural Disasters

Community Resilience Index



Use of CRI

- **Used in at least 55 communities in Gulf of Mexico region**
- **Addressing needs through small grant programs**
- **Trained more than 117 facilitators**
- **Used in other regions and countries**
  - New England, Pacific Islands, Mexico, Bangladesh)

Additional Resilience Indices

FISHERIES RESILIENCE INDEX

A Business Self-Assessment

Understanding How Prepared
Your Business is for a Disaster

"On the road to fisheries resilience"

TOURISM RESILIENCE INDEX

A Business Self-Assessment

Understanding How Prepared
Your Business is for a Disaster

"On the road to tourism resilience"

PORTS RESILIENCE INDEX

A Port Management Self-Assessment

Understanding How Prepared Your
Port Organization is for a Disaster

"Navigating to port resilience"

“Build a bridge of trust that will hold the weight of truth.”

More information

masgc.org

gulfseagrant.org

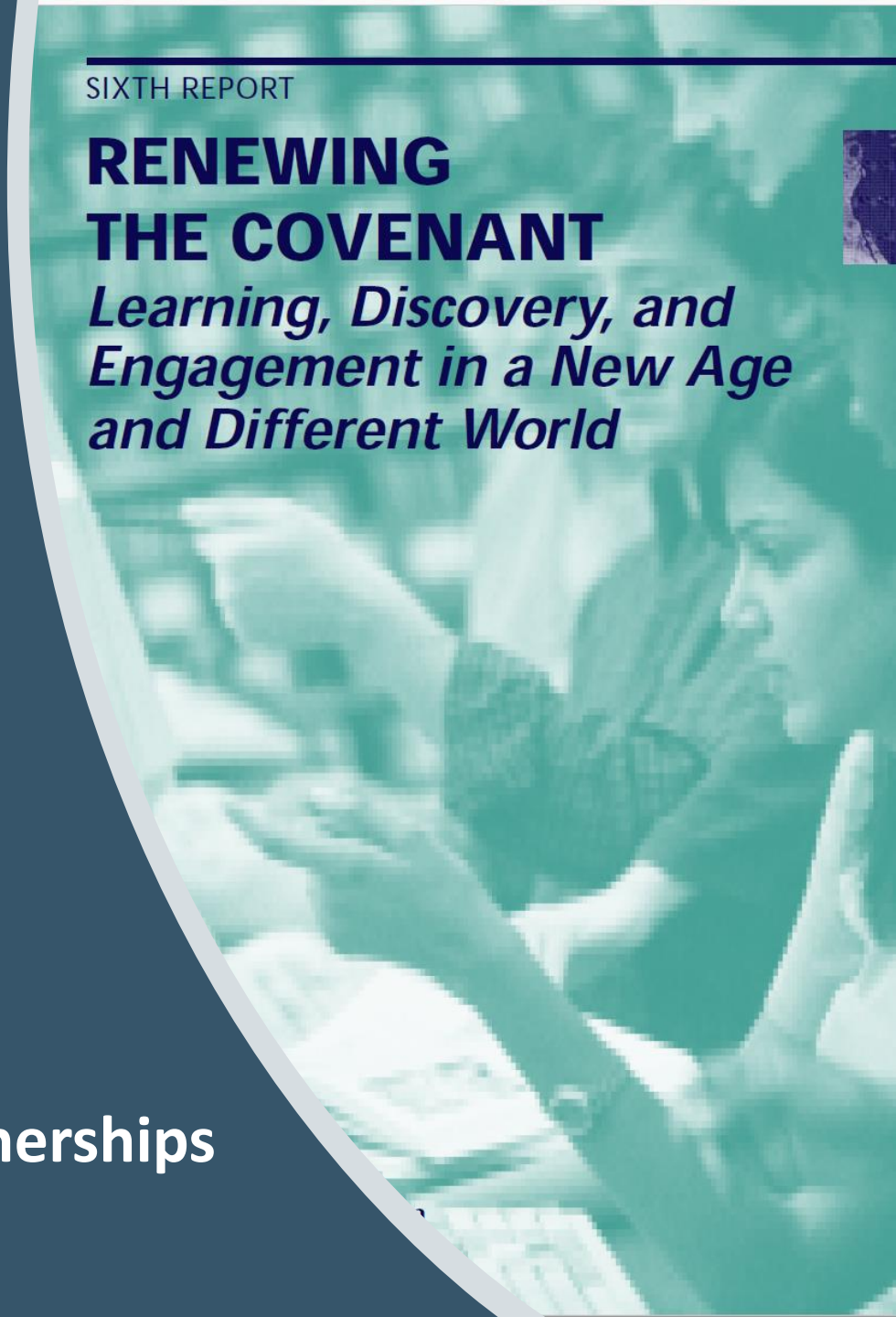
Backup slides

Extension

Image: scienceprogress.org

The Engaged Institution

- Responsive
- Respect for partners
- Academic neutrality
- Accessible
- Integration
- Coordination
- Resource (invest in) partnerships



Case III: Research to Application

Integrated into Response

- **Regional Response Team 6 created a liaison position for Sea Grant to serve in incident command**
- **Sea Grant participates in oil spill drills and exercises**
- **Sea Grant presents at and provide publications for oil spill response trainings**

Reaching Broader Audiences

Audubon Aquarium
of the Americas
A Facility of Audubon Nature Institute

Driving Priorities: Developing the RFP

- **Strategic Plan**
- **Industry and Agency Advisory Council**

Initial Pilots

Florida

- Ft. Myers Beach
- Marco Island
- Sarasota
- Cedar Key
- Steinhatchee

Alabama

- Orange Beach
- Gulf Shores
- Dauphin Island
- Bayou La Batre

Mississippi

- Pascagoula
- Ocean Springs
- Biloxi
- Pass Christian

Louisiana

- St. Tammany Parish
- Cameron Parish

Texas

- Port Arthur

Transforming: Results to Application

- **Pre-award match-making**
  - Research PI
  - EOE professional with expertise in focus area
- **Develop EOE plan**
- **Separate pool of resources**
- **Activities extend research to application**
- **EOE continues beyond life of research project**