



**Coastlines & People
(CoPe)**

NAML Public Policy Forum

February 21, 2019

**Terry Quinn
Division Director
Ocean Sciences Division
GEO Directorate**



Overview of Coastlines & People (CoPe)

- **Research w/societal impact**





Overview of Coastlines & People (CoPe)

- **Research w/societal impact**
- **Natural evolution**











Overview of Coastlines & People (CoPe)

- **Research w/societal impact**
- **Natural evolution**
- **Relation w/NSFs 10 Big Ideas**

NSF's 10 Big Ideas | **Process Ideas**

	Growing Convergence Research at NSF	
	NSF 2026: Seeding Innovation	
	NSF INCLUDES: Enhancing STEM through Diversity and Inclusion	
	Mid-scale Research Infrastructure	



Overview of Coastlines & People (CoPe)

- **Research w/societal impact**
- **Natural evolution**
- **Relation w/NSFs 10 Big Ideas**

NSF's 10 Big Ideas | **Research Ideas**

Harnessing Data for 21st Century Science and Engineering

The Future of Work at the Human-Technology Frontier

Navigating the New Arctic

The Quantum Leap: Leading the Next Quantum Revolution

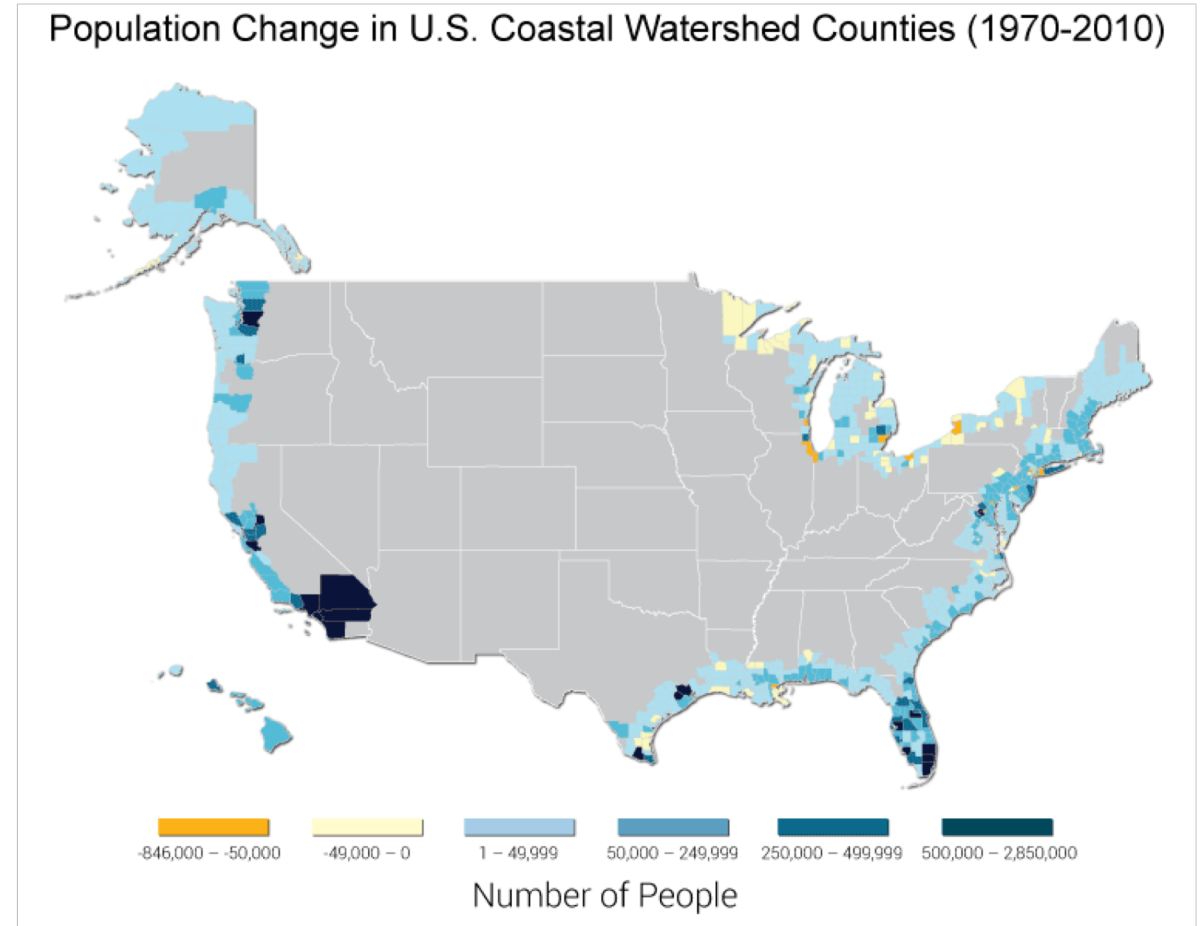
Understanding the Rules of Life: Predicting Phenotype

Windows on the Universe: The Era of Multi-messenger Astrophysics



CoPe: Call to Action

- **Coastal population growth**





CoPe: Call to Action

- **Coastal population growth**
- **National security**





CoPe: Call to Action

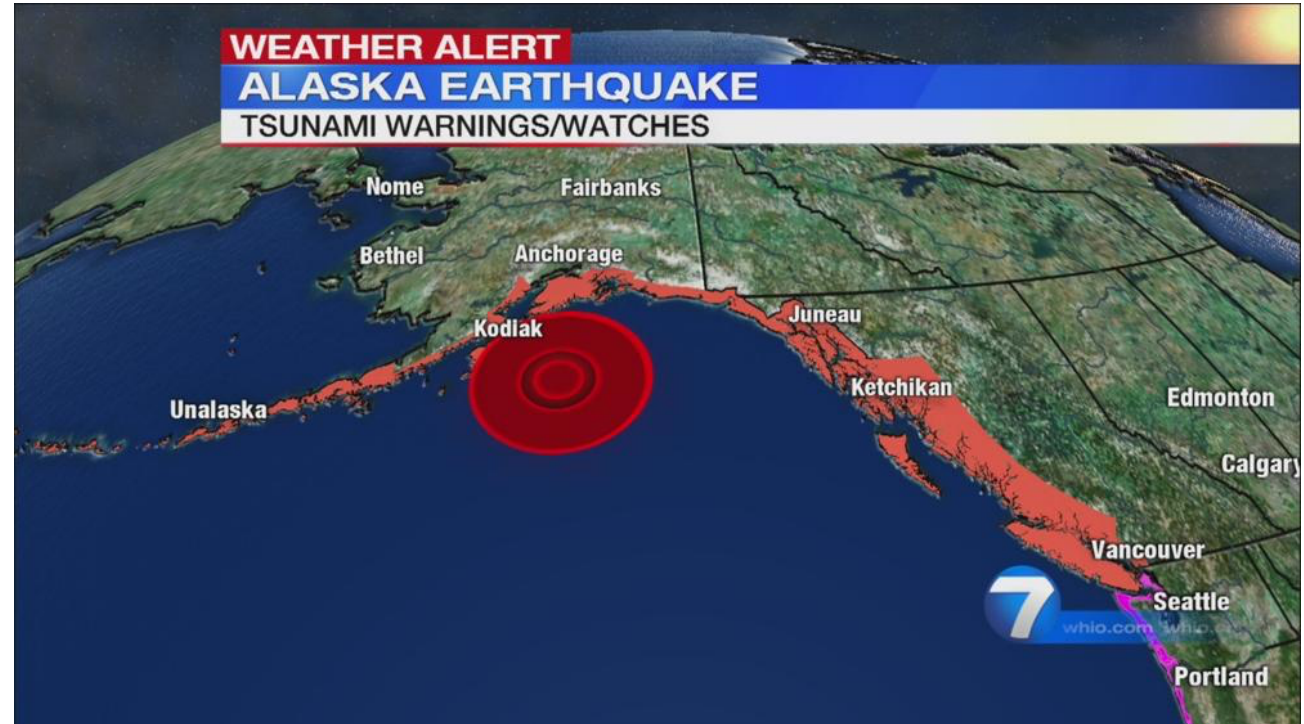
- **Coastal population growth**
- **National security**
- **Coastal economics**





CoPe: Call to Action

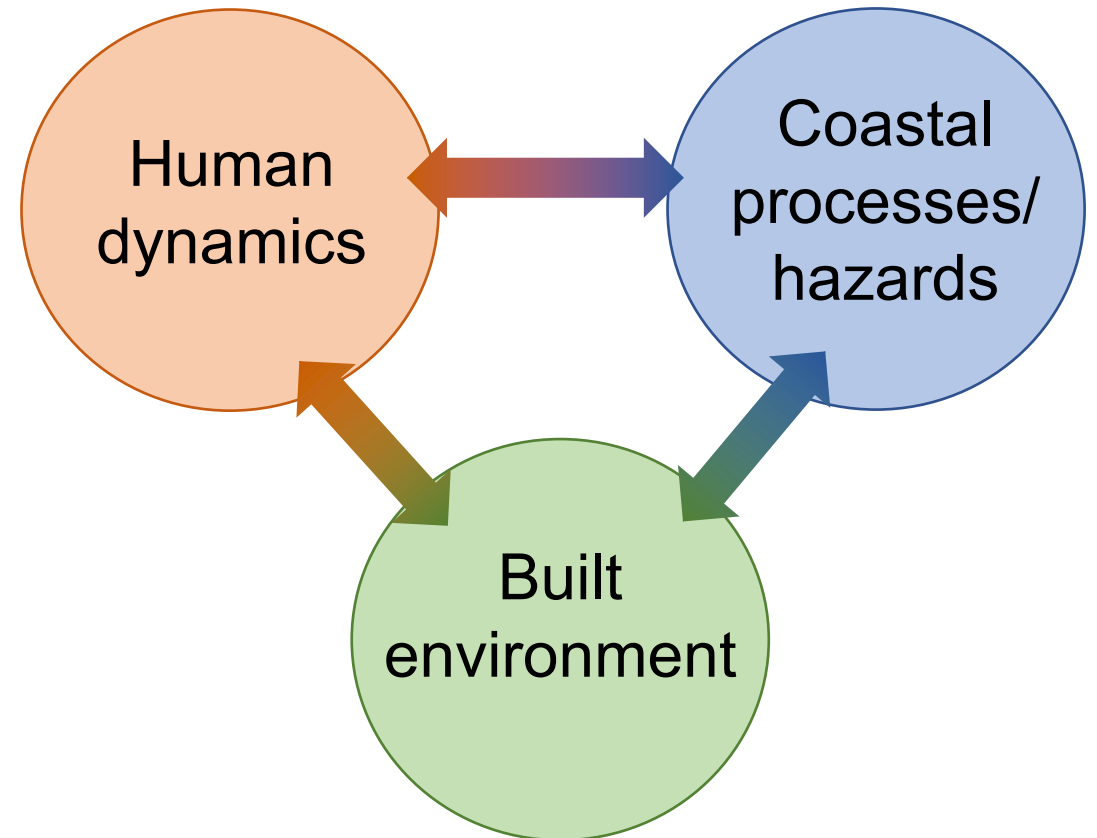
- Coastal population growth
- National security
- Coastal economies
- Coastal hazards





Vision for Coastlines and People

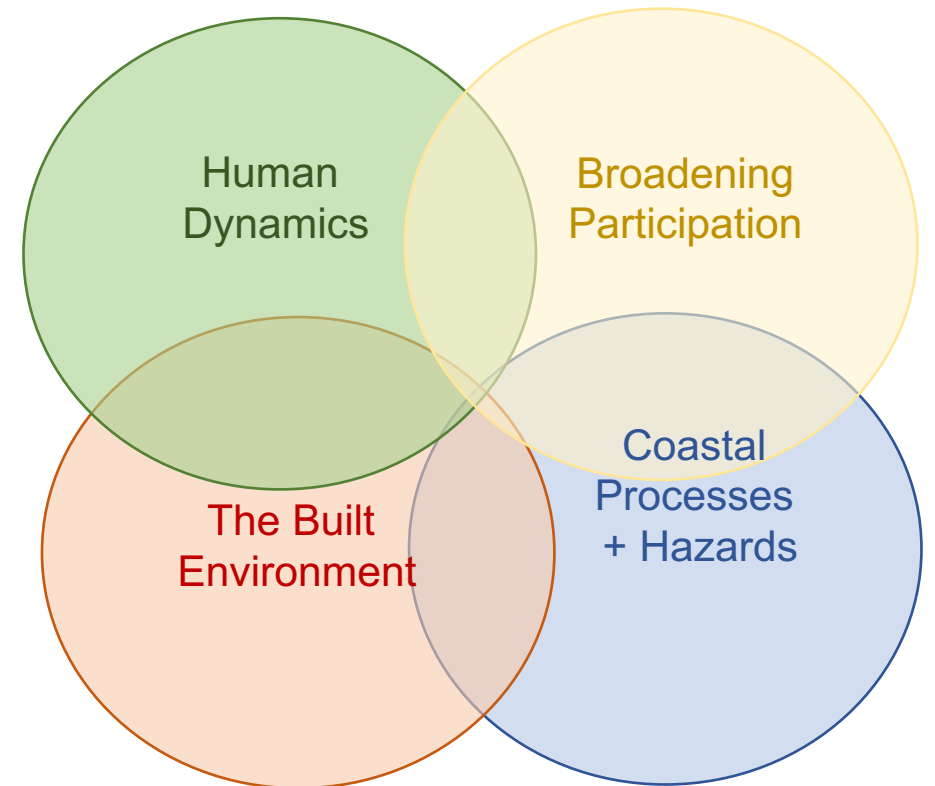
- **Integrate complex interactions**
- **Engage multiple NSF Directorates**





Vision for Coastlines and People

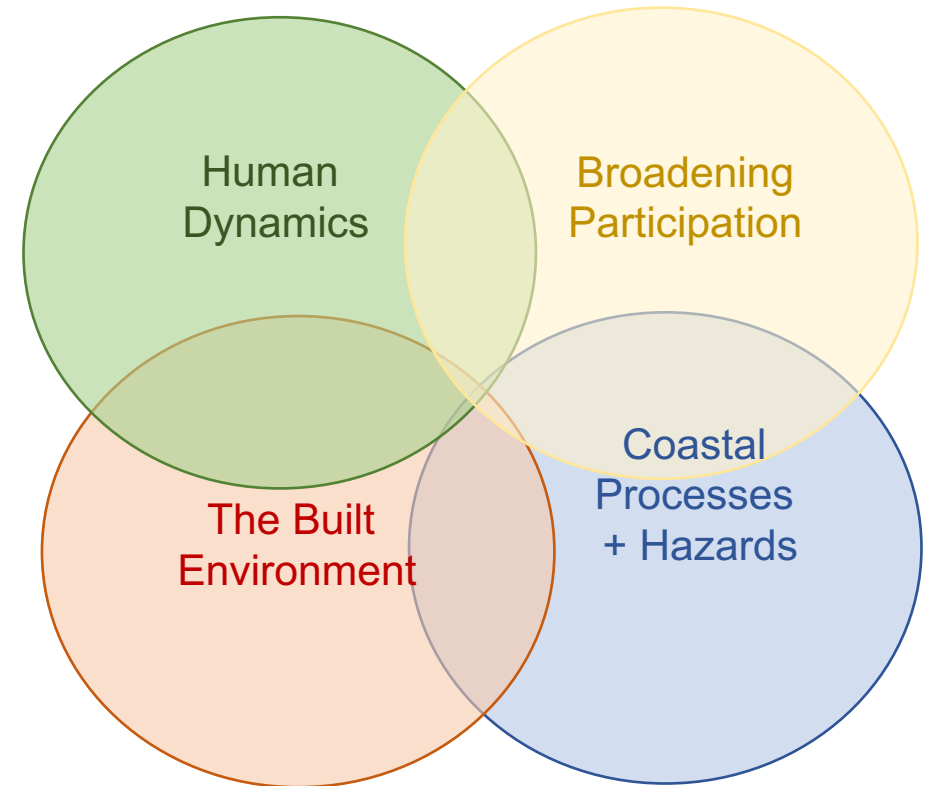
- **Integrate complex interactions**
- **Engage multiple NSF Directorates**
- **Broadening participation**





Goals of Scoping Workshops for Coastlines and People

- **Coastal research hubs**
- **Convergent science approach**
- **Coastal sustainability**





Workshops on Coastlines & People: Fall 2018

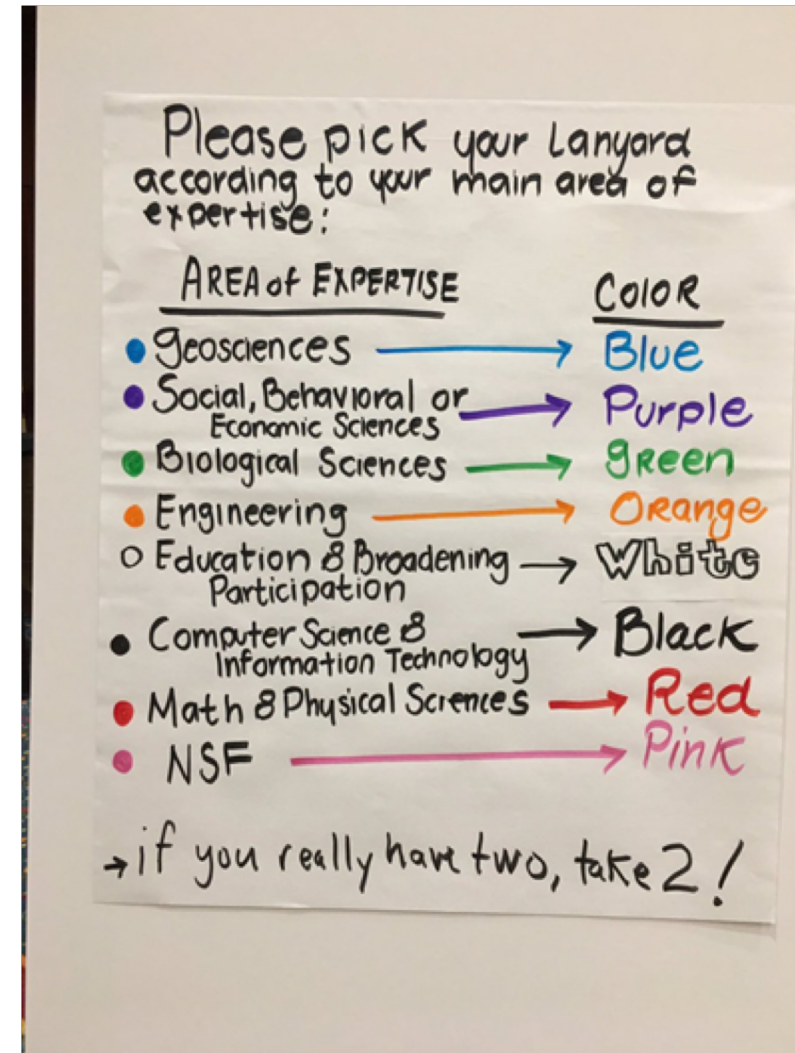
- **Four concurrent workshops**





Workshops on Coastlines & People: Fall 2018

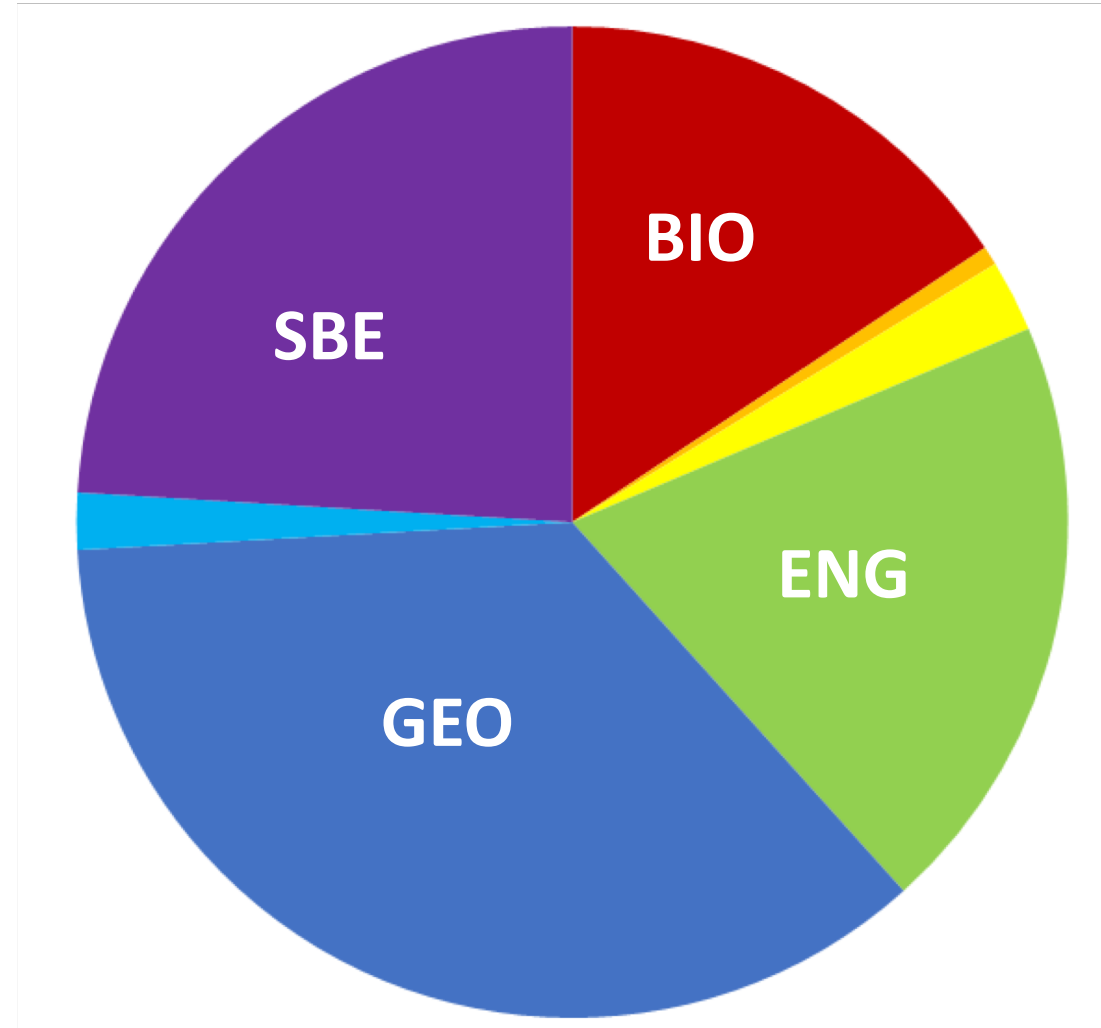
- **Four concurrent workshops**
- **~450 participants**





Workshops on Coastlines & People: Fall 2018

- **Four concurrent workshops**
- **~450 participants**
- **Multi-disciplinary**





Workshop Process & Outcomes

- **Engaged participation**





Workshop Process & Outcomes

- **Engaged participation**
- **White papers**
- **Website**

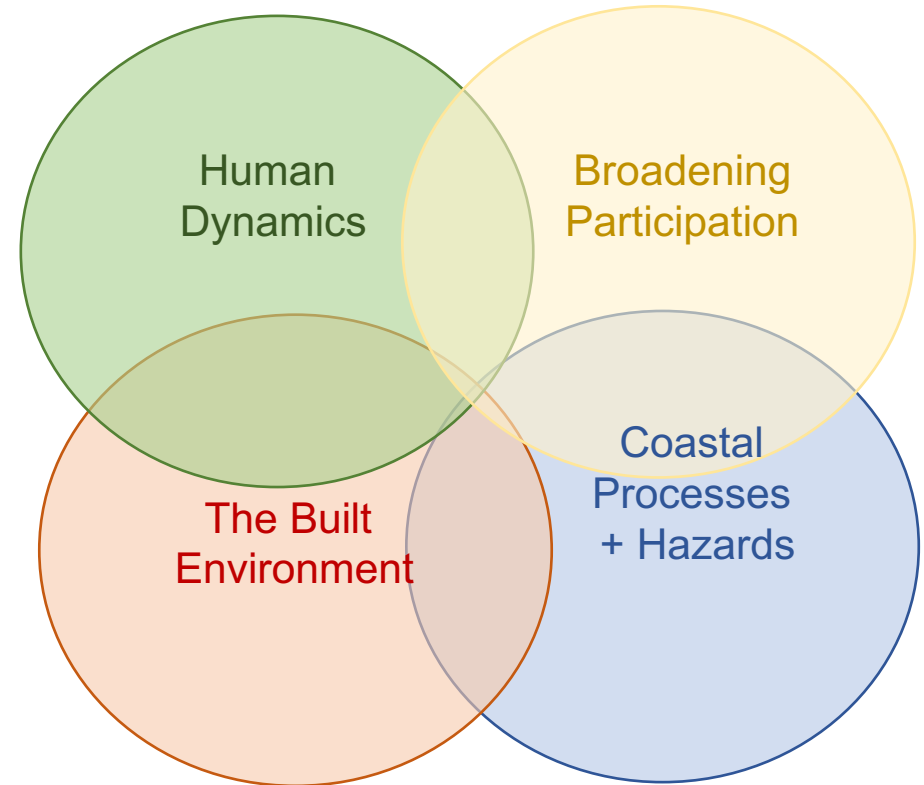


www.coastlinesandpeople.org



Coastal Science Hub Concept

- **Identify key science questions**
- **Identify scientific gaps**
- **Define hub structure**
- **Define community interface**





Next Steps

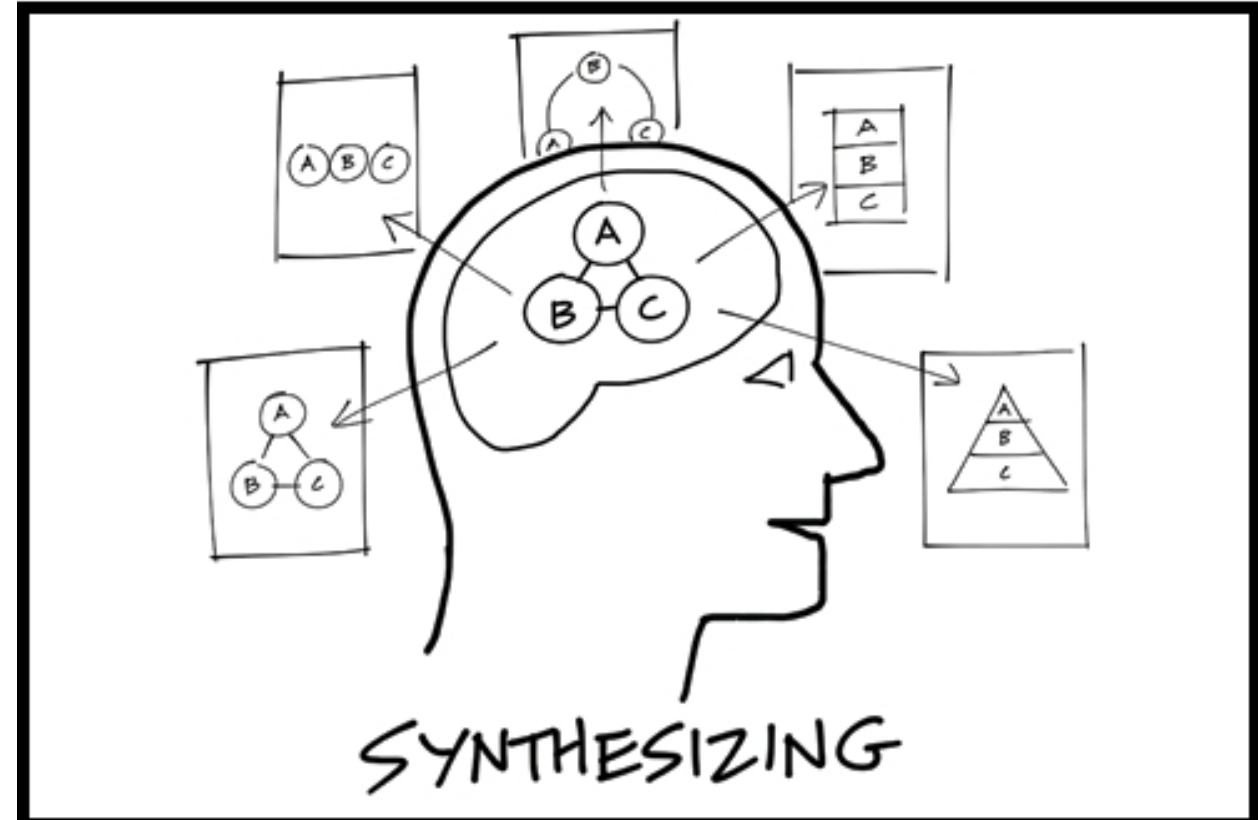
- **Lapsed appropriation impact**





Next Steps

- **Lapsed appropriation impact**
- **Workshop synthesis**





Next Steps

- **Lapsed appropriation impact**
- **Workshop synthesis**
- **Future solicitation**

PROGRAM SOLICITATION **NSF**



National Science Foundation

Preliminary Proposal Due Date(s) (*required*) (due by 5 p.m. submitter's local time):

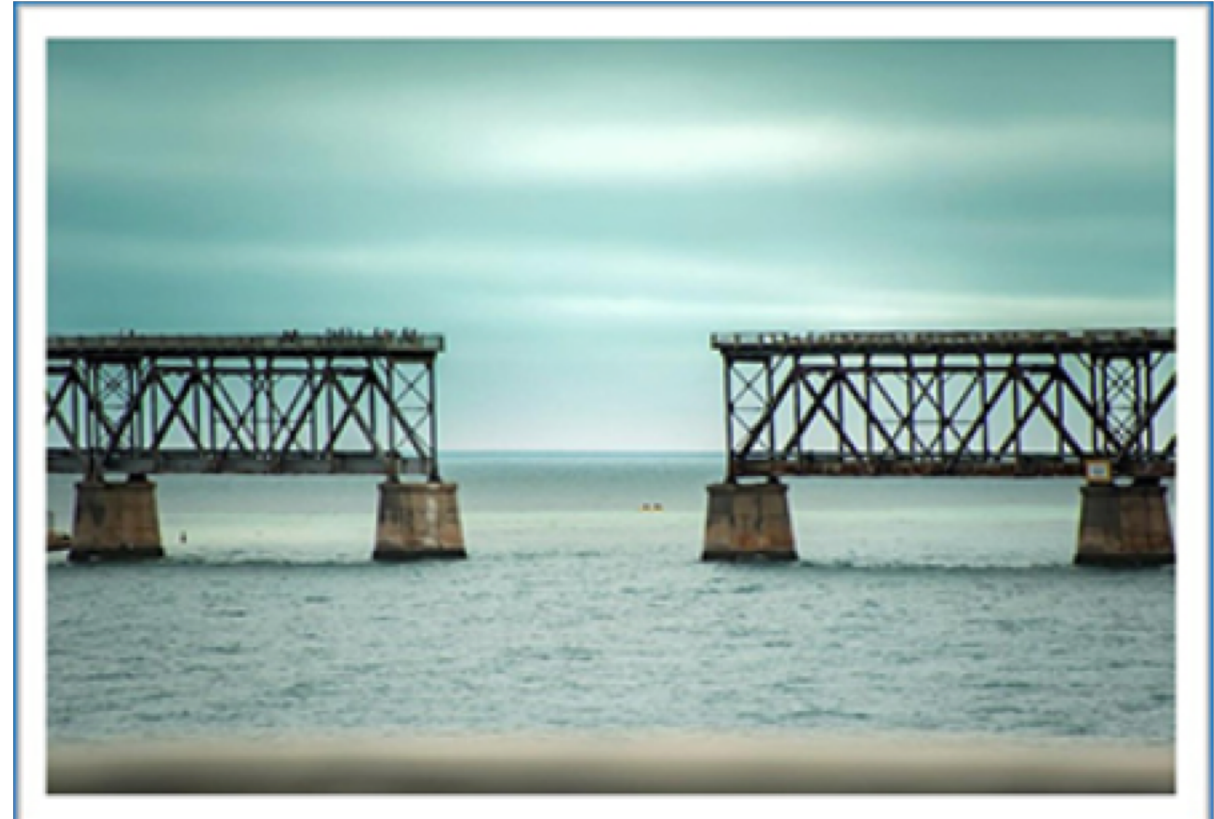
Full Proposal Deadline(s) (due by 5 p.m. submitter's local time):

By invitation only.



Mid-scale Research Infrastructure

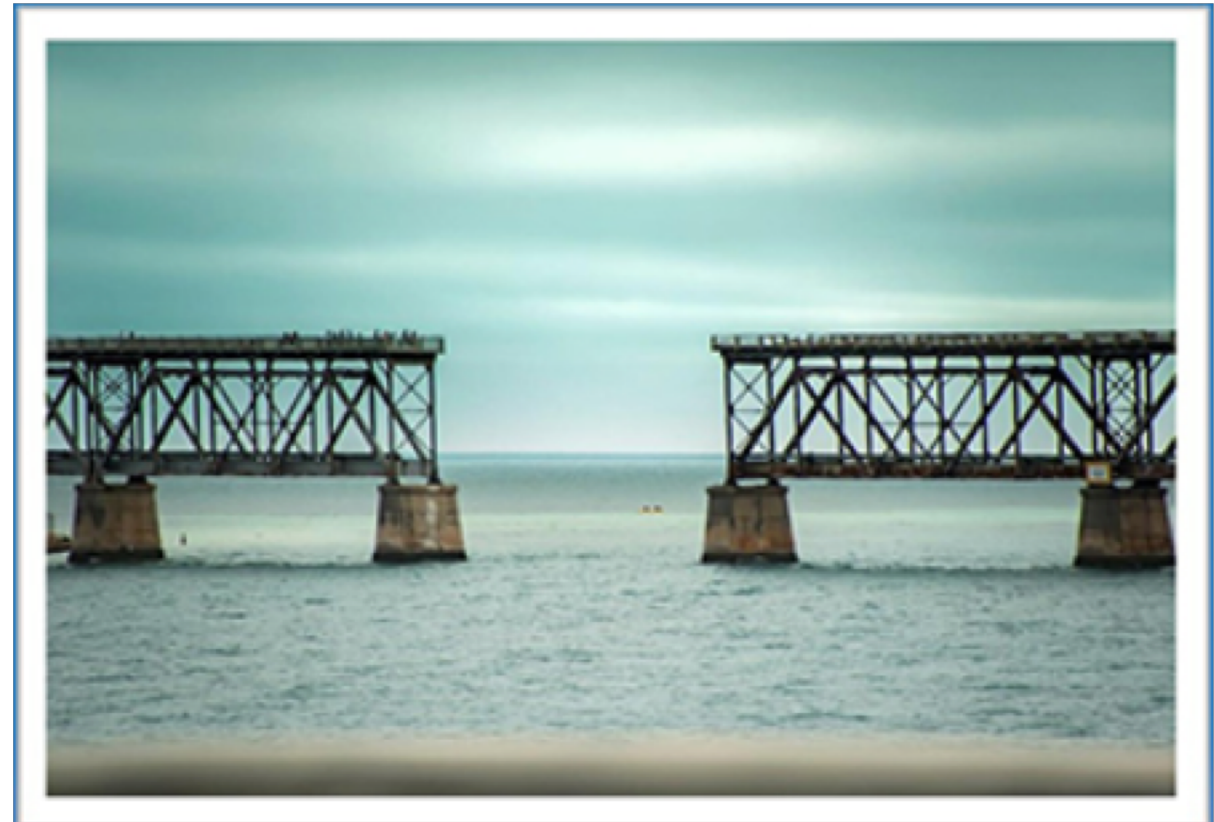
- **Mid-scale RI-1 (19-537)**





Mid-scale Research Infrastructure

- **Mid-scale RI-1 (19-537)**
- **Mid-scale RI-2 (19-542)**





Some good news

- **FY19 Appropriation**





Some good news

- **FY19 Appropriation**
- **3rd Regional Class Research Vessel**





Some good news

- **FY19 Appropriation**
- **3rd Regional Class Research Vessel**
- **Human capital**





Outlook on the Future





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