



Welcome!

Ocean Exploration Advisory Board

31 Jul – 01 Aug 2019

*Jon White, RADM, U.S. Navy (Ret.)
President and CEO,
Consortium for Ocean Leadership (COL)*

Housekeeping



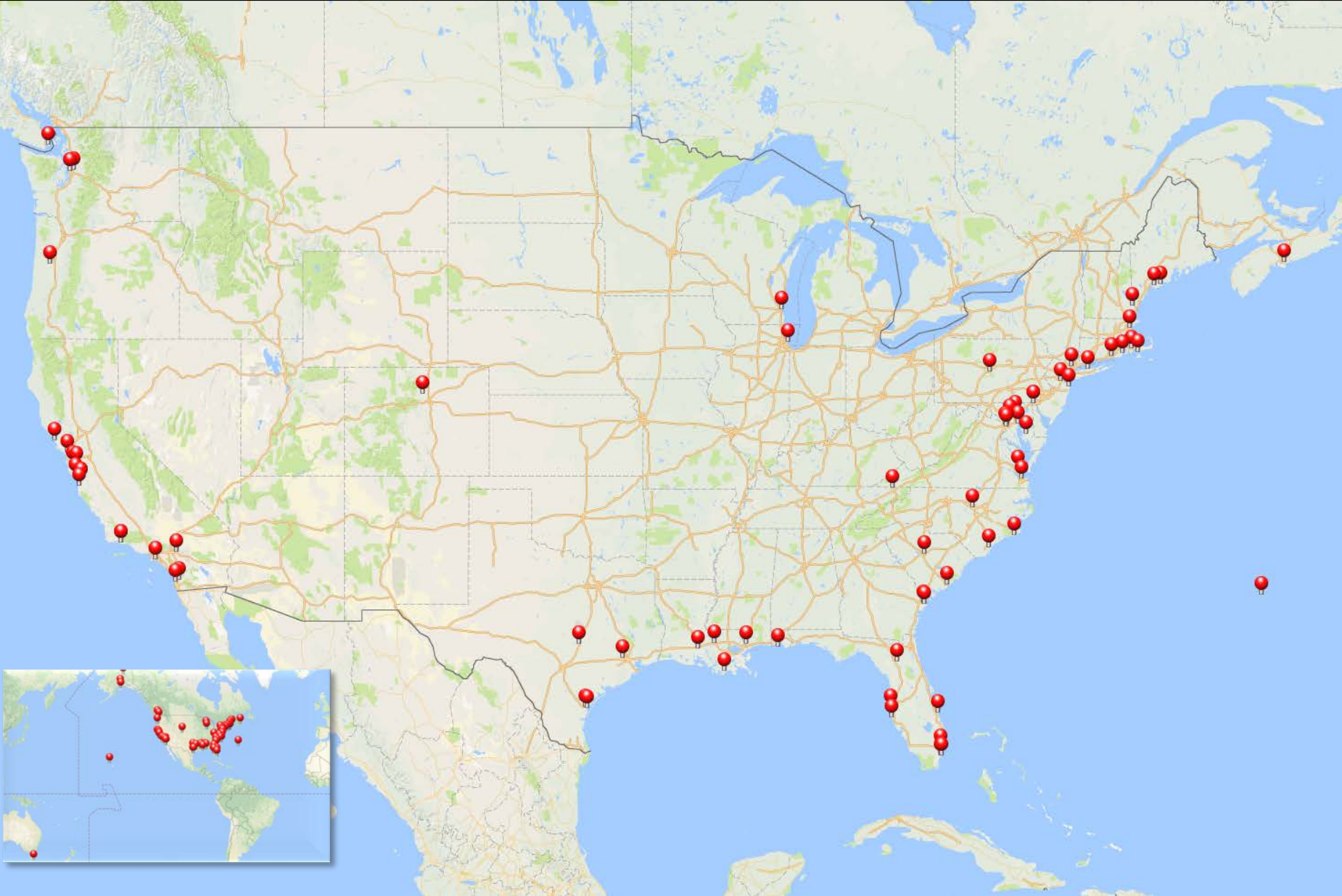
- ***Microphones***
- ***Bathrooms***
- ***Refreshments***
- ***Additional rooms***
- ***In the event of an emergency, use the stairs located across from the conference room to exit the building. Staff will direct you to our COL meeting place in Franklin Park.***
- ***First aid kits and an AED are available, please alert staff if you need assistance.***



A Washington, DC-based nonprofit organization that represents ~100 of the leading public and private ocean research and education institutions, aquariums, philanthropies, and industries with the mission to advance research, education and sound ocean policy, through:

Discovery, Understanding, Action

Collaboration begins with COL



COL's Work: Discovery



- Gulf of Mexico Research Initiative
- Deep Ocean Observing Strategy
- Ocean Observatories Initiative (OOI) 1.0
- Interagency Ocean Observing Committee (IOOC)
- **Census of Marine Life**

COL manages and supports community wide research programs that allow scientists to discovery in a systematic way

COL's Work: Understanding



- National Ocean Sciences Bowl
- In Search of Earth's Secrets
- Interagency Ocean Observation Committee
- Ocean Sciences Educators Retreat



COL grows understanding through ocean literacy and education programs, as well as through partnership building & community support activities that lead to advanced understanding

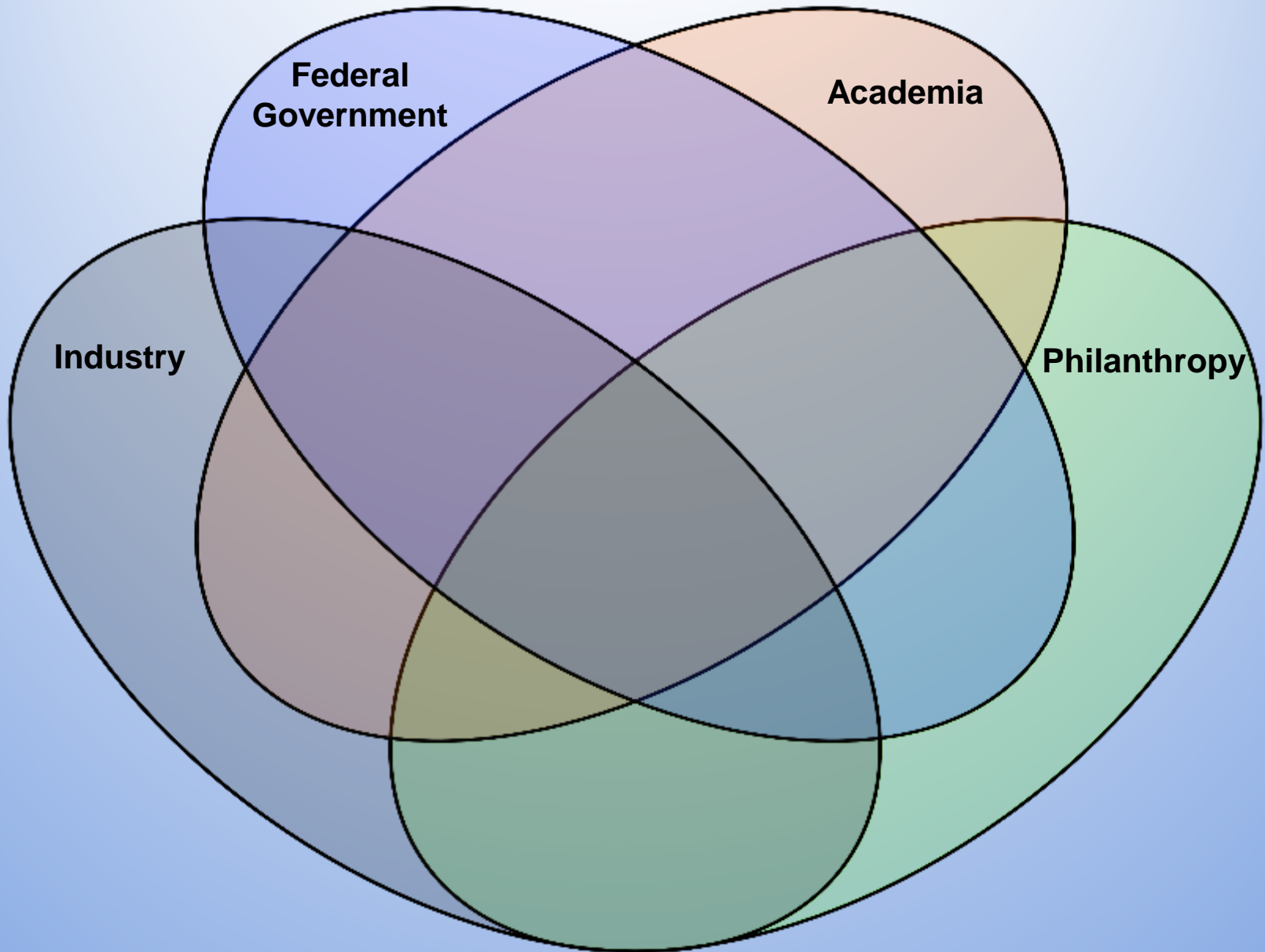
COL's Work: Action

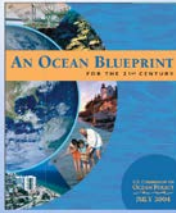


- Policy support and drafting
- Briefings
- Letters & testimony
- Community input
- Public Policy Forums
- Industry Forums
- **Convening activities**

COL's advocacy influences policymakers to advance ocean science, education, and marine policy

The Power of Partnerships

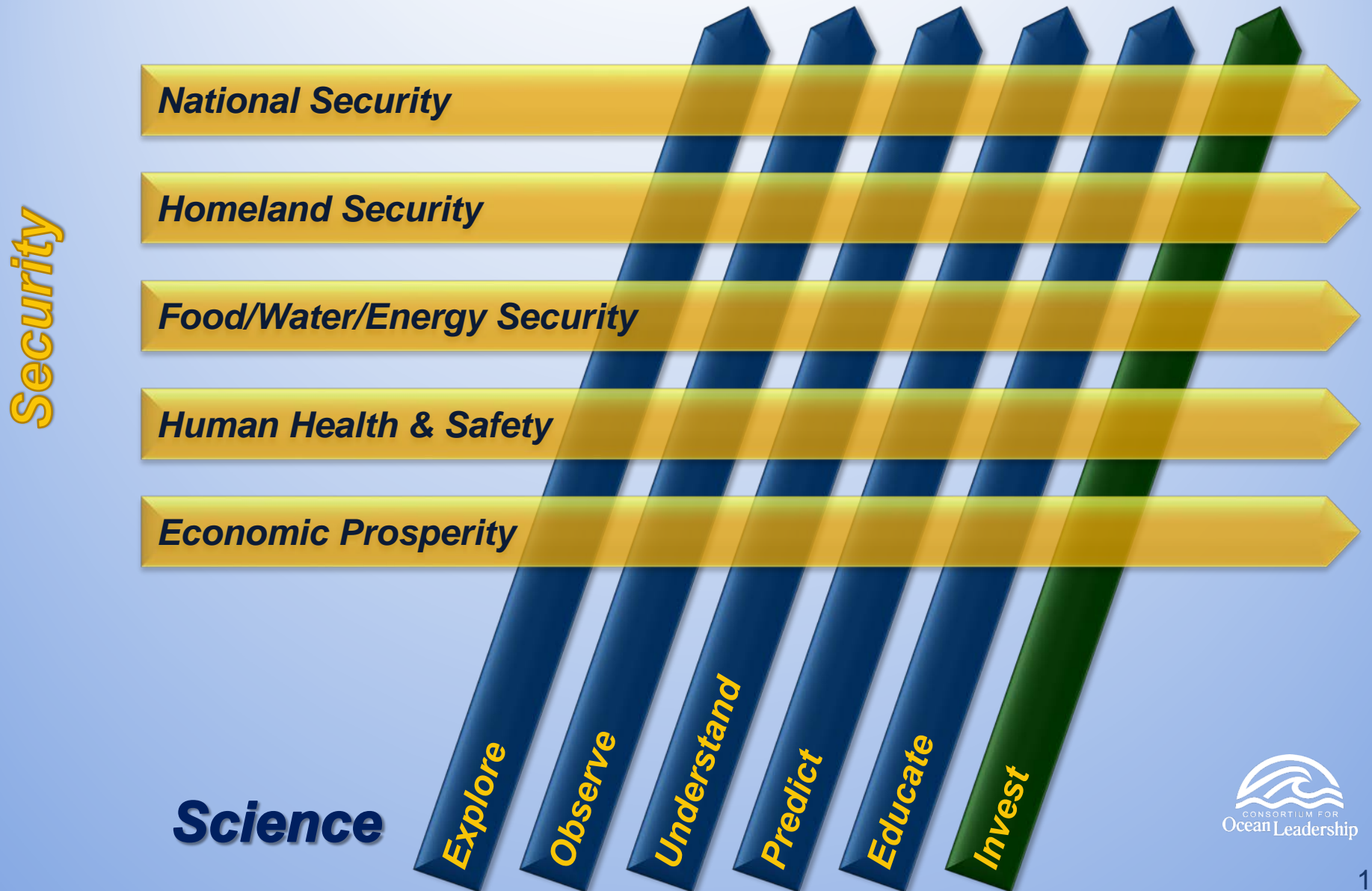




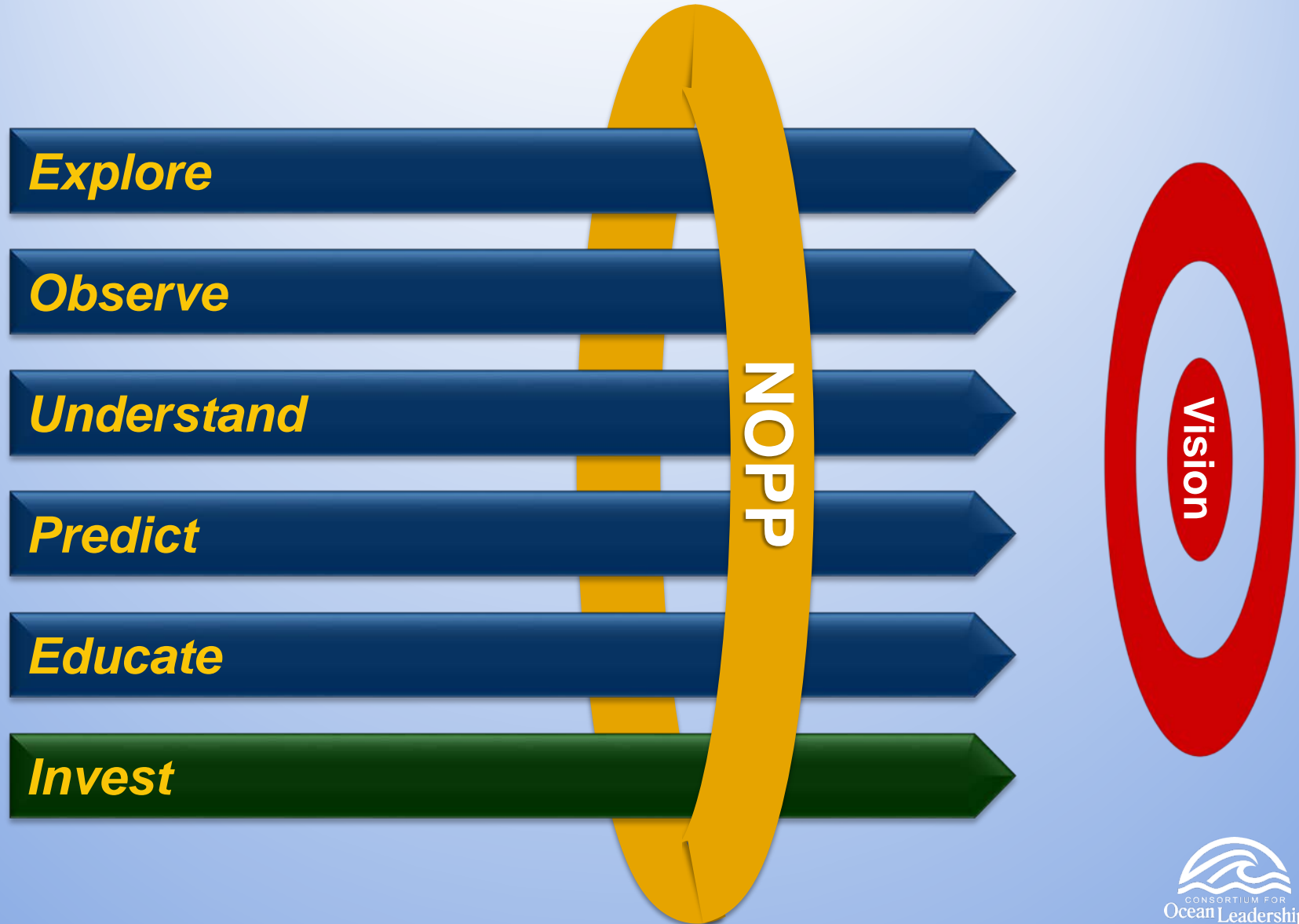
A Vision for the Future

- ***Oceans, coasts, and Great Lakes are clean, safe, prospering, and sustainably managed.***
- ***They contribute significantly to the economy, supporting multiple, beneficial uses such as:***
 - ***Food production***
 - ***Energy and mineral resources***
 - ***Recreation and tourism***
 - ***Transportation of goods and people***
 - ***Discovery of novel medicines***
- ***They preserve a high level of biodiversity and a wide range of critical natural habitats.***

Ocean Security

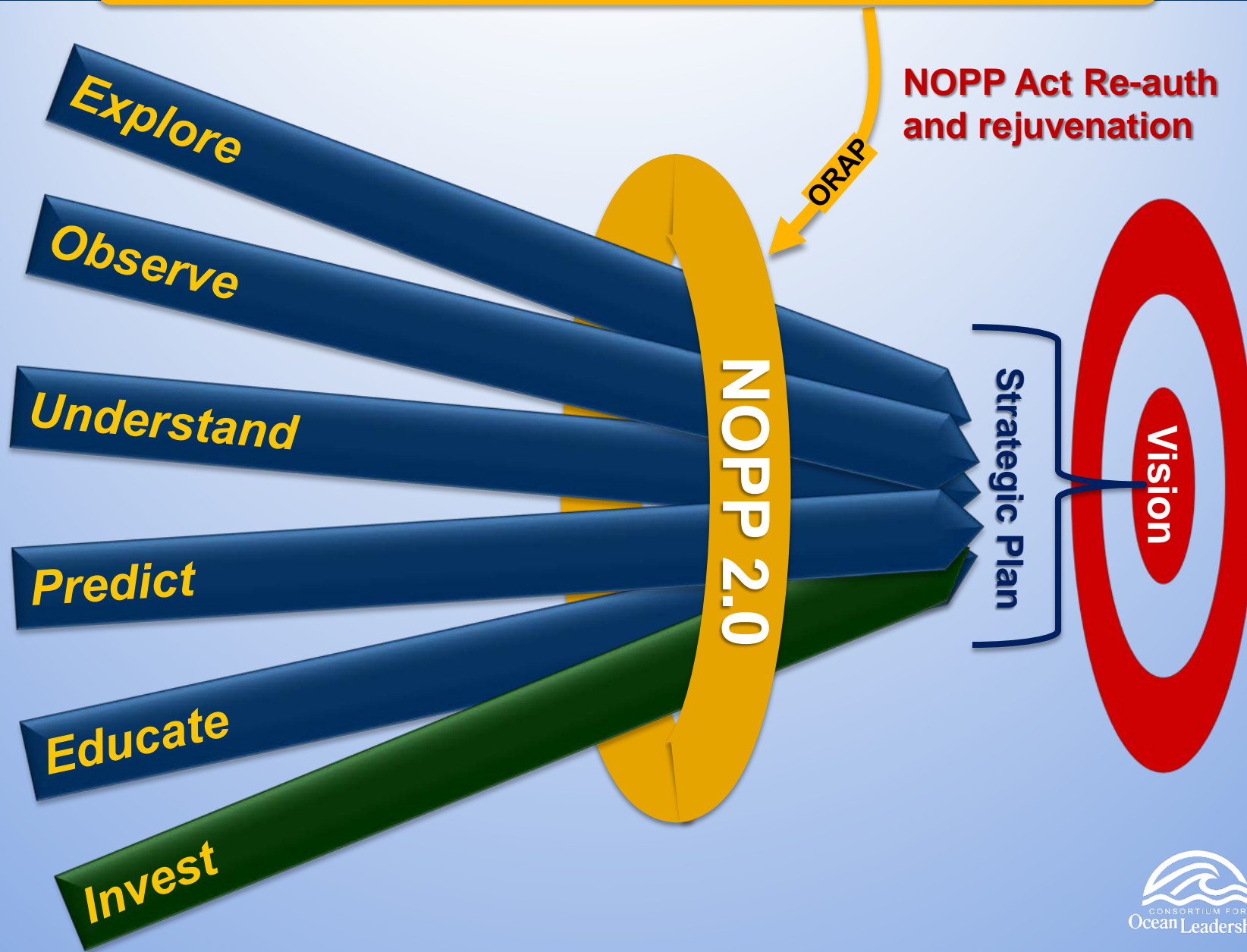


National Oceanographic Partnership Program (NOPP) Est. 1996



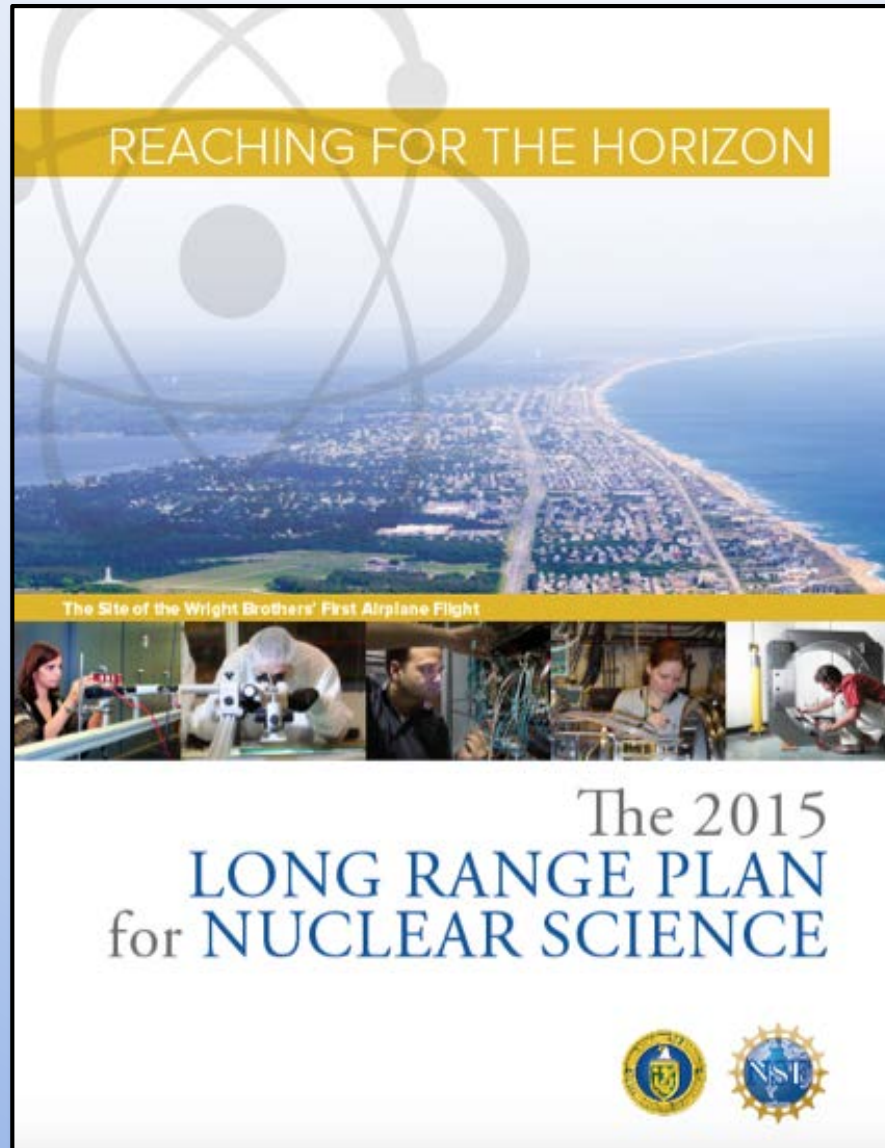
National Ocean Enterprise (NOE) Model

Federal, State, Industry, Philanthropy, Aquariums, Societies, NGOs, ...



Do we need a national, strategic plan for Ocean Science? Ocean Exploration?

e.g.,



Exploration Opportunities: Ocean Science & Technology

Technology

Miniaturization

AI

Data Mgmt

Autonomy

Access

Persistence

Science

eDNA

Gnomics

Biochemistry

Sound

Telepresence

Exploration Opportunities: Ocean Science & Technology

- *OceanObs'19 (16-20 Sep 2019, Honolulu)*
- *UN Decade of Ocean Science*
- *Ocean Industry Growth (e.g., renewable energy)*
- *???*



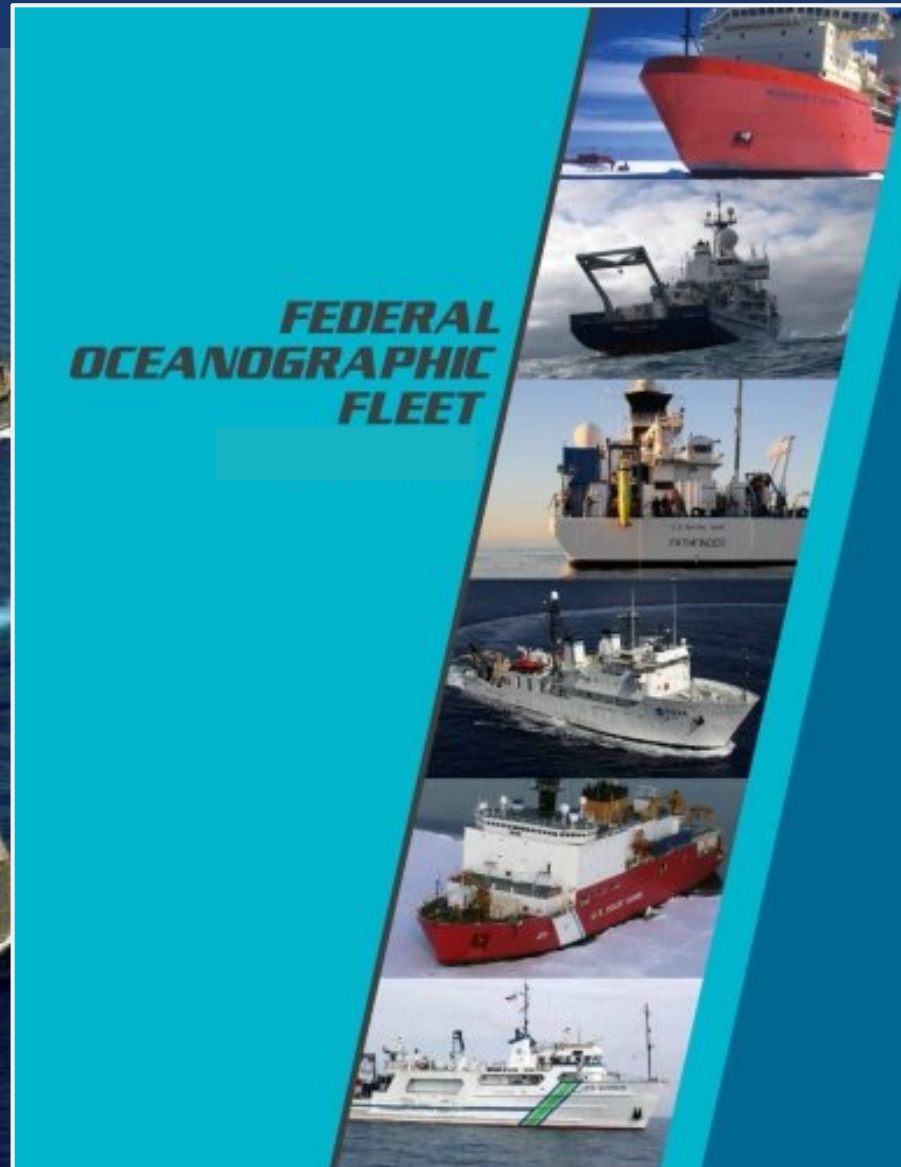
Today





Tomorrow?

Do we need ships?



We need SHIPs!



LeaderSHIP



OwnerSHIP



PartnerSHIP



StewardSHIP



ScholarSHIP



\$ponsorSHIP





Thanks!

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