

#### **UNOLS** and Ocean Leadership

Access to the Sea: Evolving the Nation's Ocean "Laboratory" as part of the Ocean Research System

Sherri W. Goodman

President & CEO December 4, 2015







Ocean Leadership and UNOLS share strong ties to the ocean science community with a broad overlap in our member institutions.











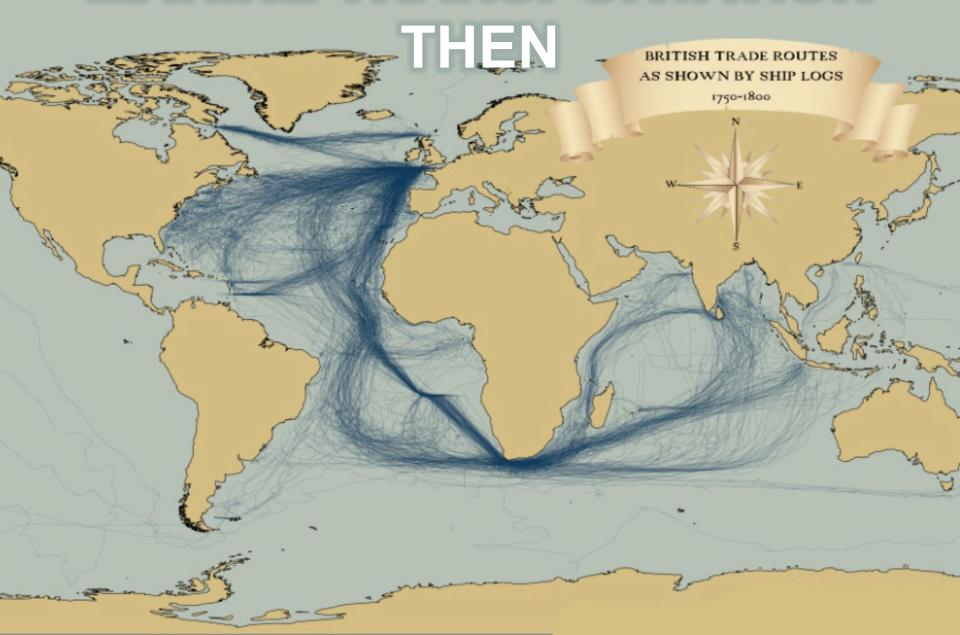


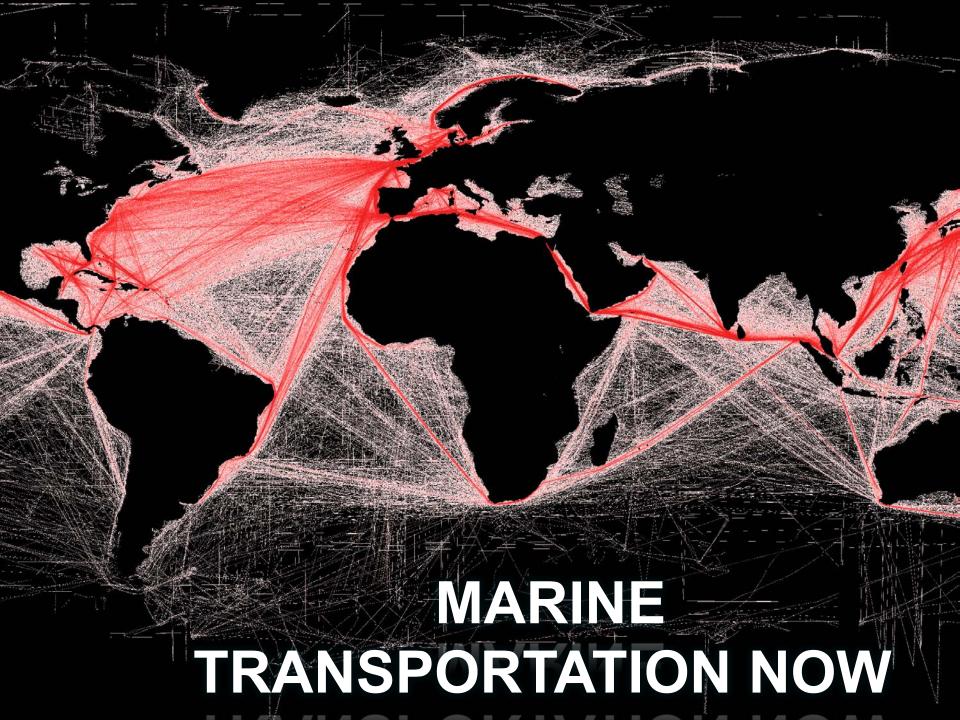






# MARINE TRANSPORTATION

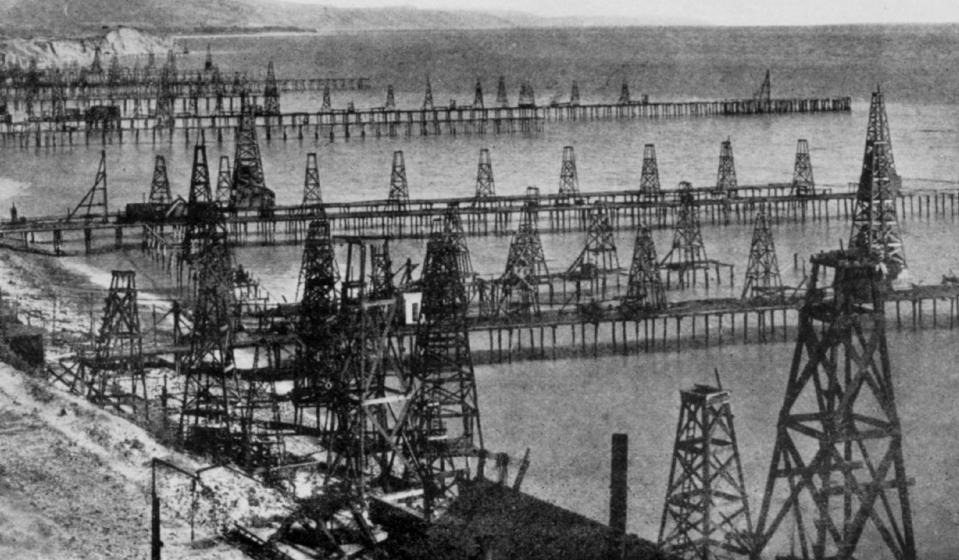


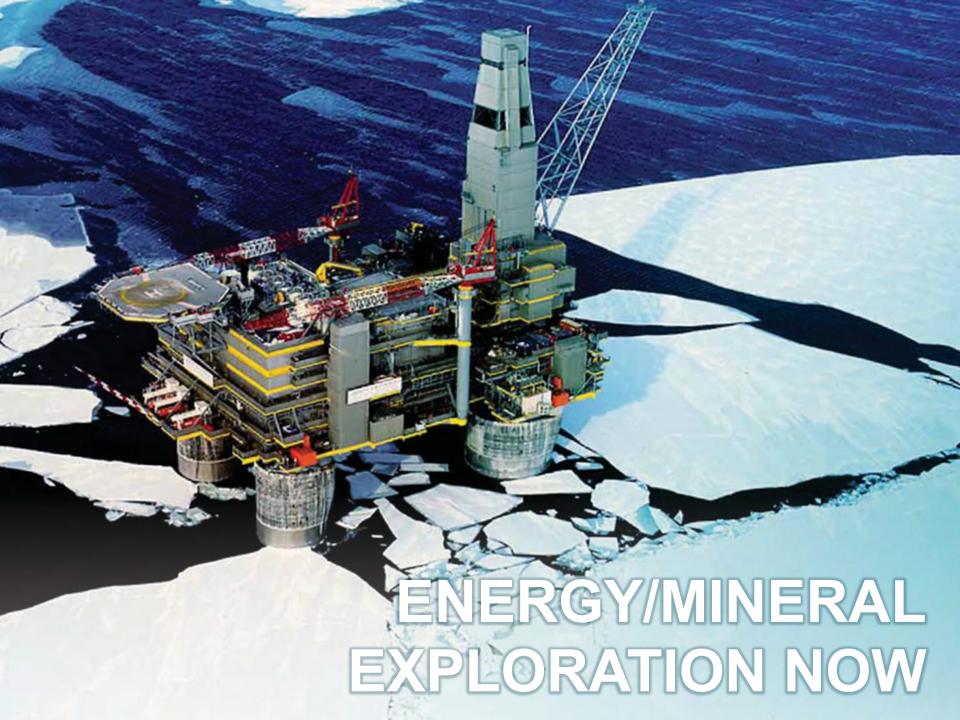


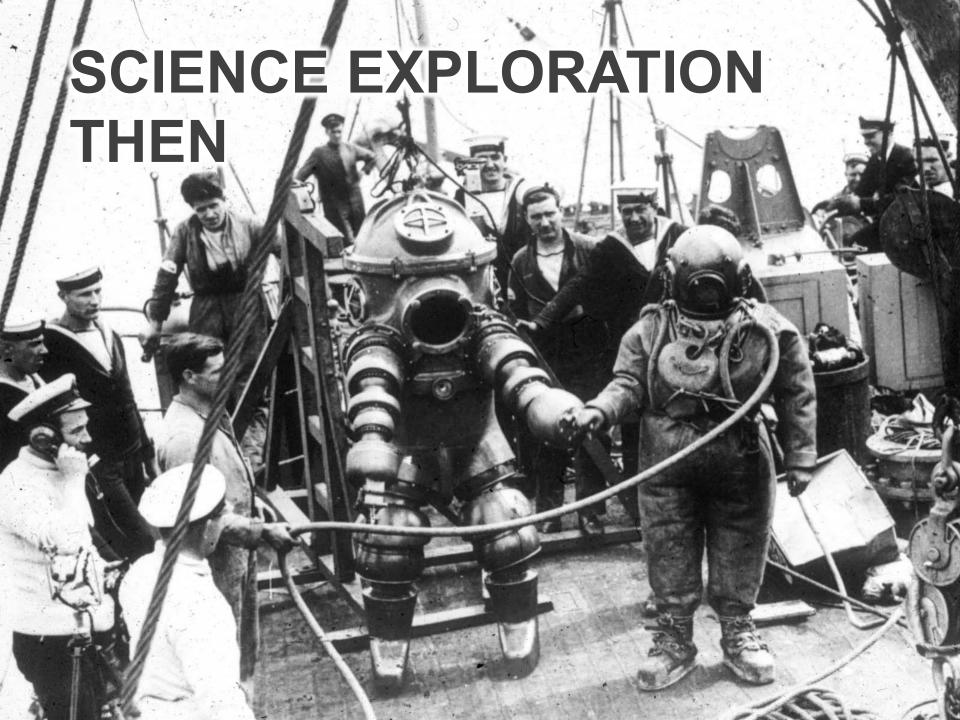




# ENERGY/MINERAL EXPLORATION THEN























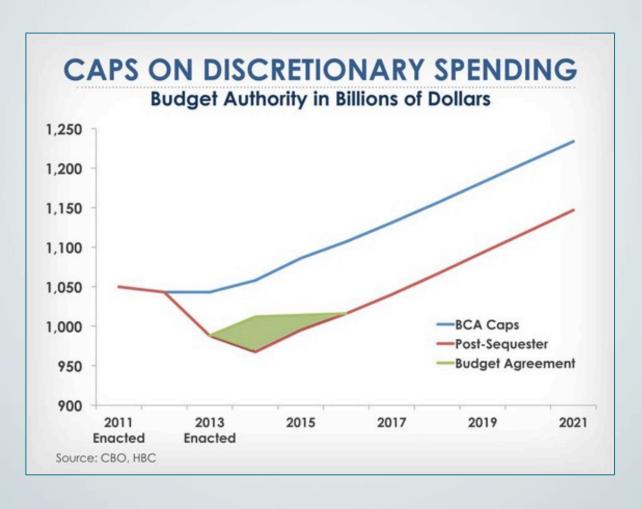


### **CURRENT CHALLENGES**



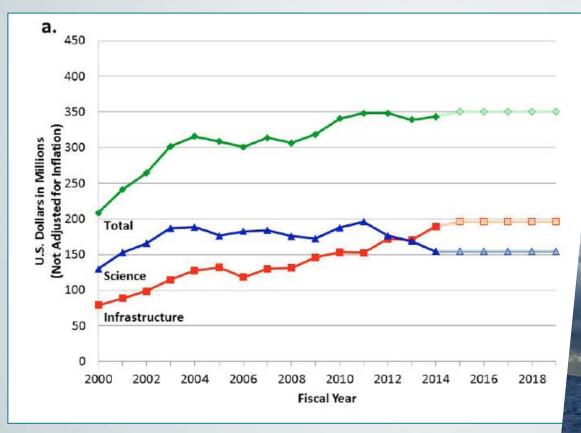
## Downward Funding Pressure

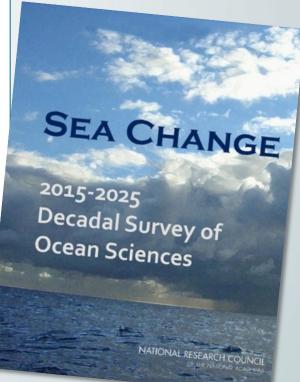
#### **Budget Control Act (sequestration)**



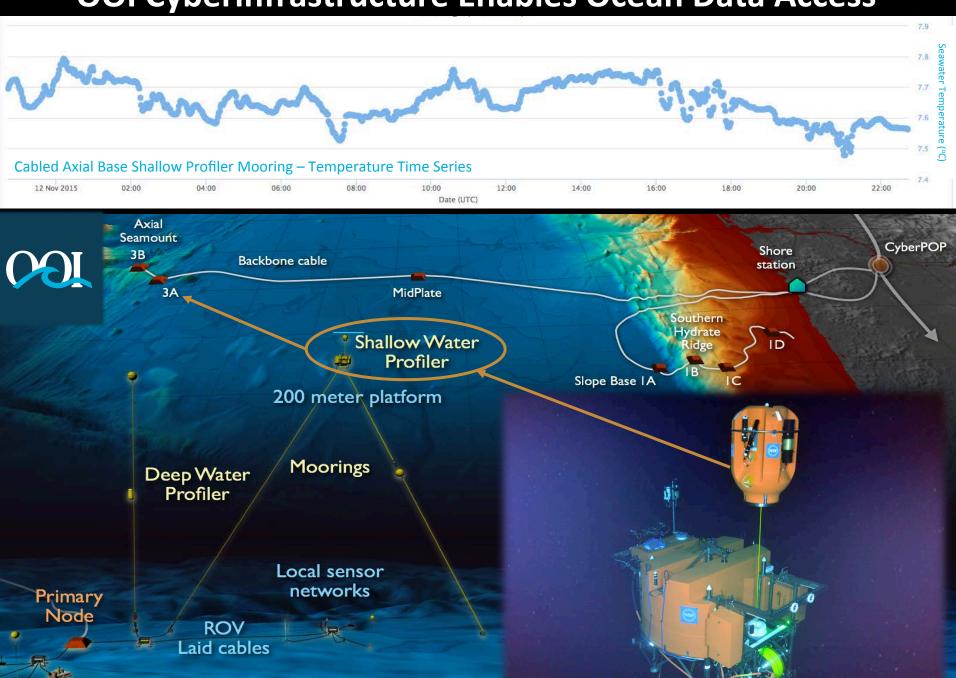


## Ocean Science Decadal Survey





#### **OOI Cyberinfrastructure Enables Ocean Data Access**



# OOI Construction and Data Status Update: Dec. 2, 2015

Fall 2015 marked the completion of the build and deployment phase of all OOI marine infrastructure, including 7 arrays, 59 instrumented sites, 36 mobile assets, and over 800 instruments. The OOI Cyberinfrastructure system handles observatory mission command and control, management of data streams, and facilitates data download via an online user interface. The COL team has been focused on readying this CI for public access.

Cyberinfrastructure is undergoing a large software update that is currently in process. The software update is critical for access, as it provides essential bug fixes in data processing identified during internal system testing, as well as key enhancements to the user interface. The OOI CI system will be made available to the public on Monday, December 7. Expanded details about the specific roll-out schedule will also be posted on the OOI website early next week.

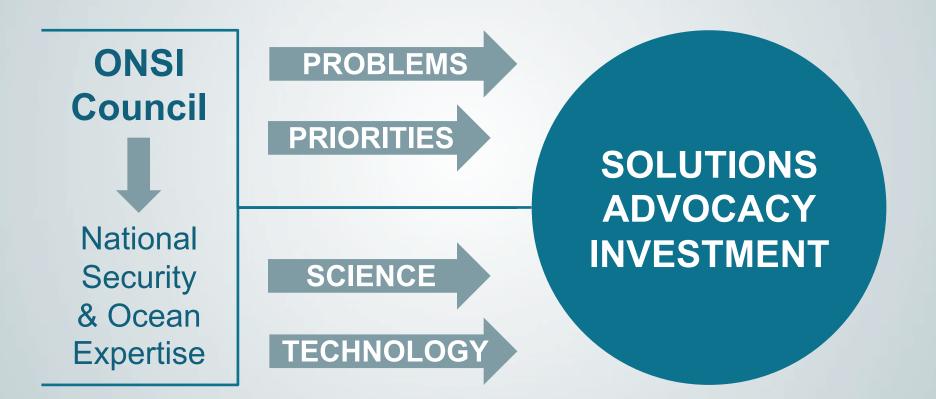
For specific questions, please contact the OOI help desk – <a href="mailto:help@oceanobservatories.org">help@oceanobservatories.org</a>

# Why the Oceans and National Security Initiative (ONSI)?





#### How?

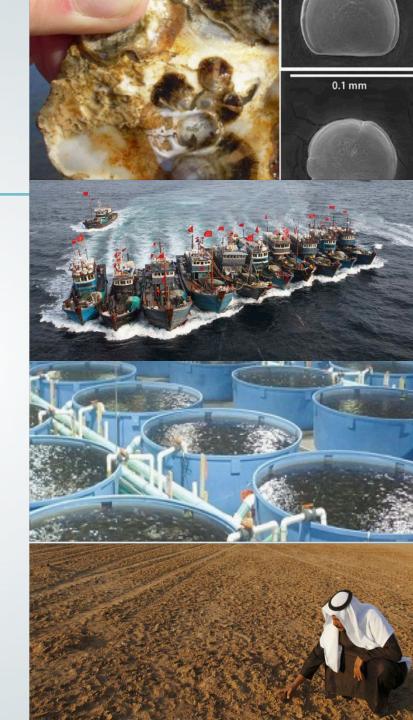


Quarterly Meetings → OL Member Input → Interim Findings → Annual/Final Report

### What?

Year 1: Food Security







#### THE ATLANTIC: OUR SHARED RESOURCE

Making the Vision Reality

#### **Galway Statement on Atlantic Ocean Cooperation**





- The 'Galway Statement on Atlantic Ocean Cooperation' was signed on 24 May 2013 by representatives of the European Union, the United States and Canada who agreed to join forces on Atlantic Ocean Research
- The goal is to better understand the Atlantic Ocean and promote the sustainable management of its resources



#### THE ATLANTIC: OUR SHARED RESOURCE

Making the Vision Reality

# Galway Statement Implementation Working Groups - Priority Areas of Cooperation

- Formal trilateral working groups have been established to advance scientific planning under agreed upon areas of priority research:
  - Aquaculture
  - Oceans Literacy
  - Atlantic Seabed Mapping (UNOLS Opportunity)
- Establishment of formal working groups in remaining areas of research cooperation are being explored

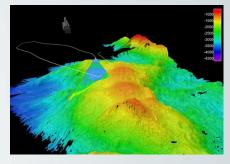


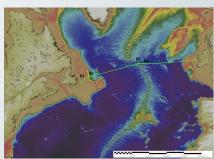
#### THE ATLANTIC: OUR SHARED RESOURCE

Making the Vision Reality

#### **Atlantic Seabed Mapping Working Group – Progress**

- Draft Terms of Reference developed for review
- White Papers developed:
  - Improving, Sharing, Discovery & Access of Seafloor Data in the North Atlantic
  - Technology: Methods for Collecting Data
- Two opportunistic trilateral surveys completed:
  - Celtic Explorer Atlantic Transect from
     St. John's, Newfoundland to Galway, Ireland
     (June 1-8, 2015) Video https://vimeo.com/133034327
  - CCG Louis St. Laurent Transect from Halifax, Nova Scotia to Tromso, Norway (July 23- August 3, 2015)





# Tell the story of Ocean Leadership & UNOLS

- Ocean Health
- National Security
- Climate Change

The enduring value of ocean research









### SGoodman@oceanleadership.org