



# OOI 2.0 Program Update

## OOI PMO Report

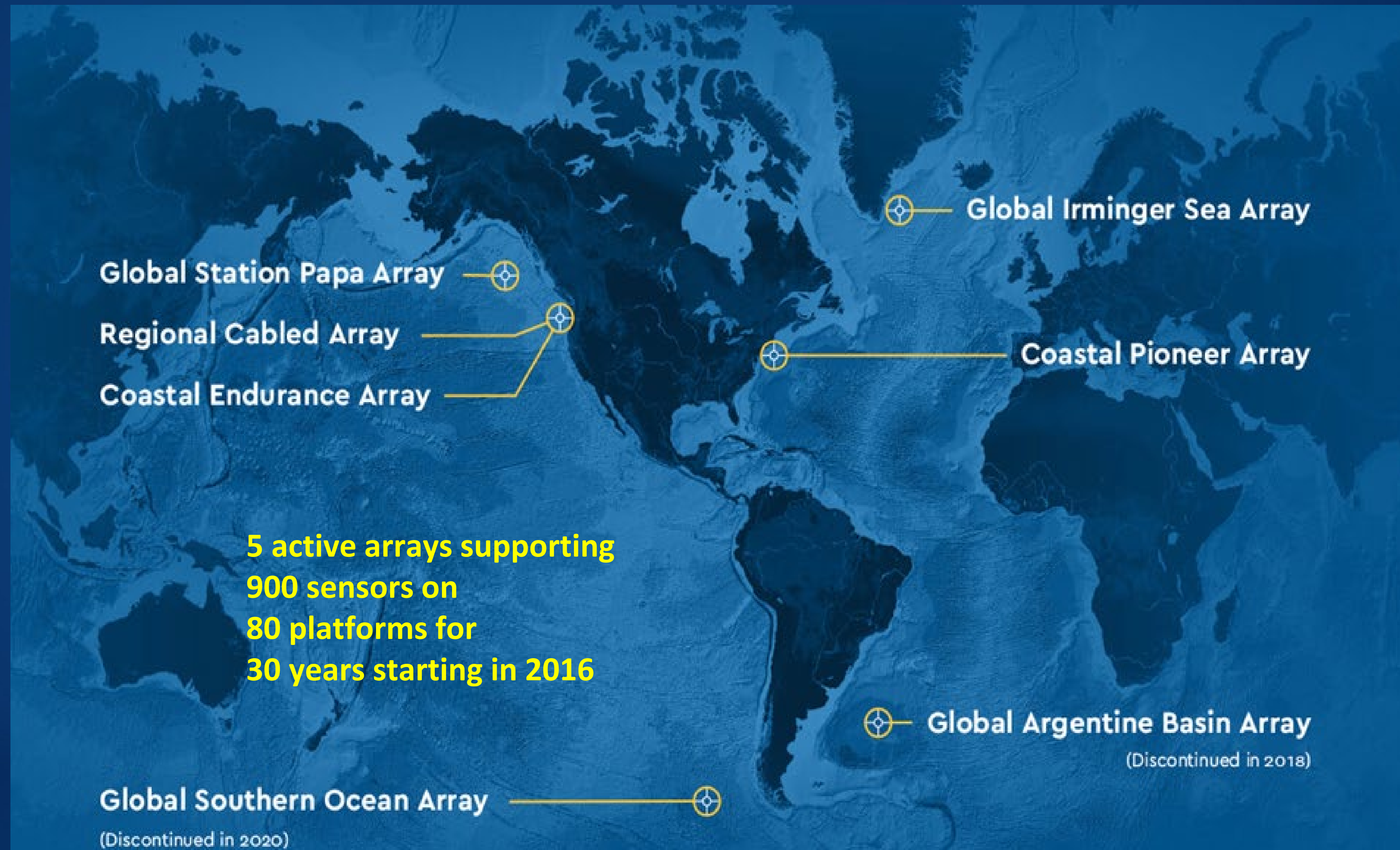
James Edson

## Community Engagement Activities

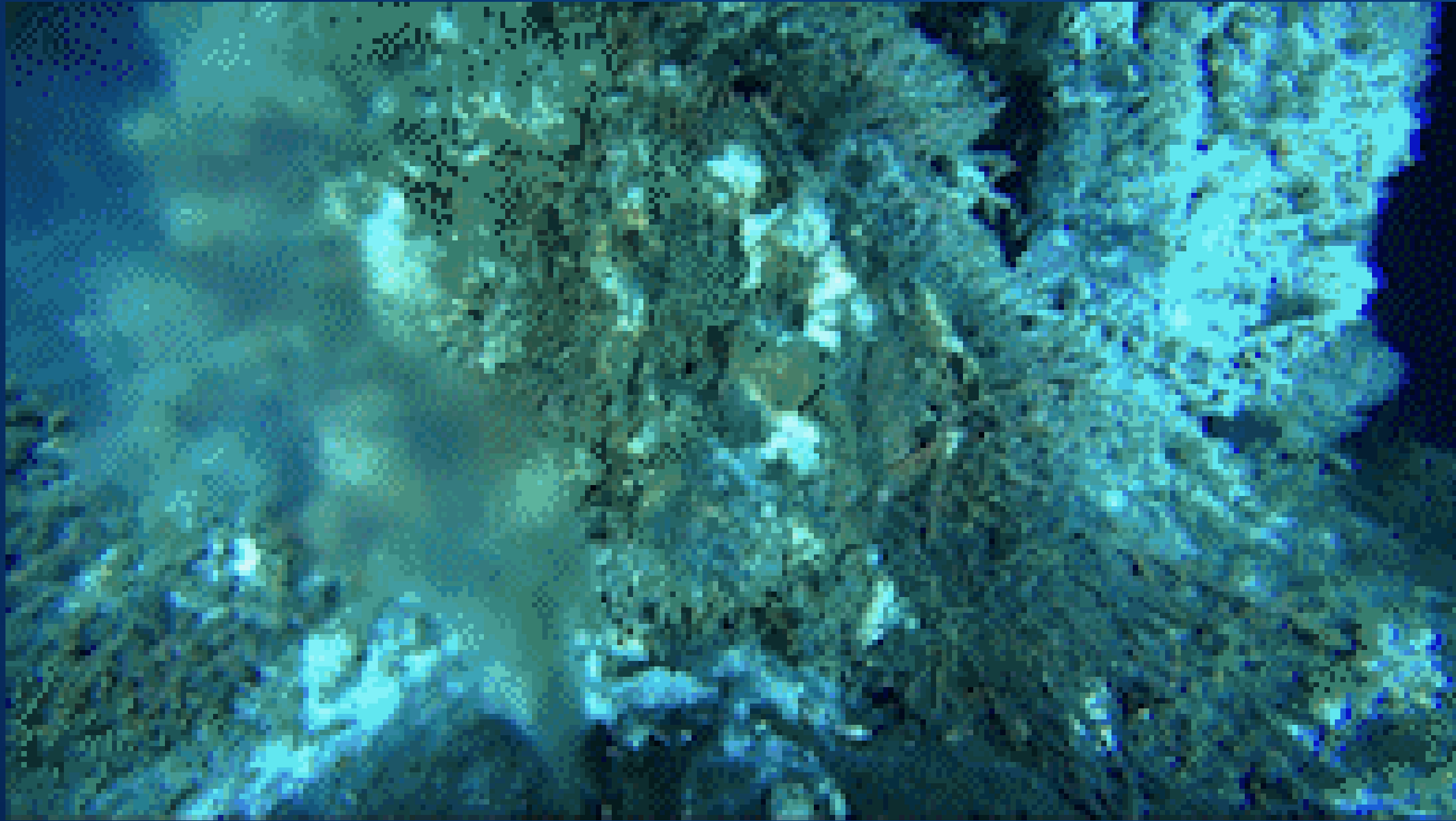
Darlene Trew Crist



# The OOI: A System of Systems (Observatories)



# OOI operates & maintains sophisticated instrumentation in demanding locations

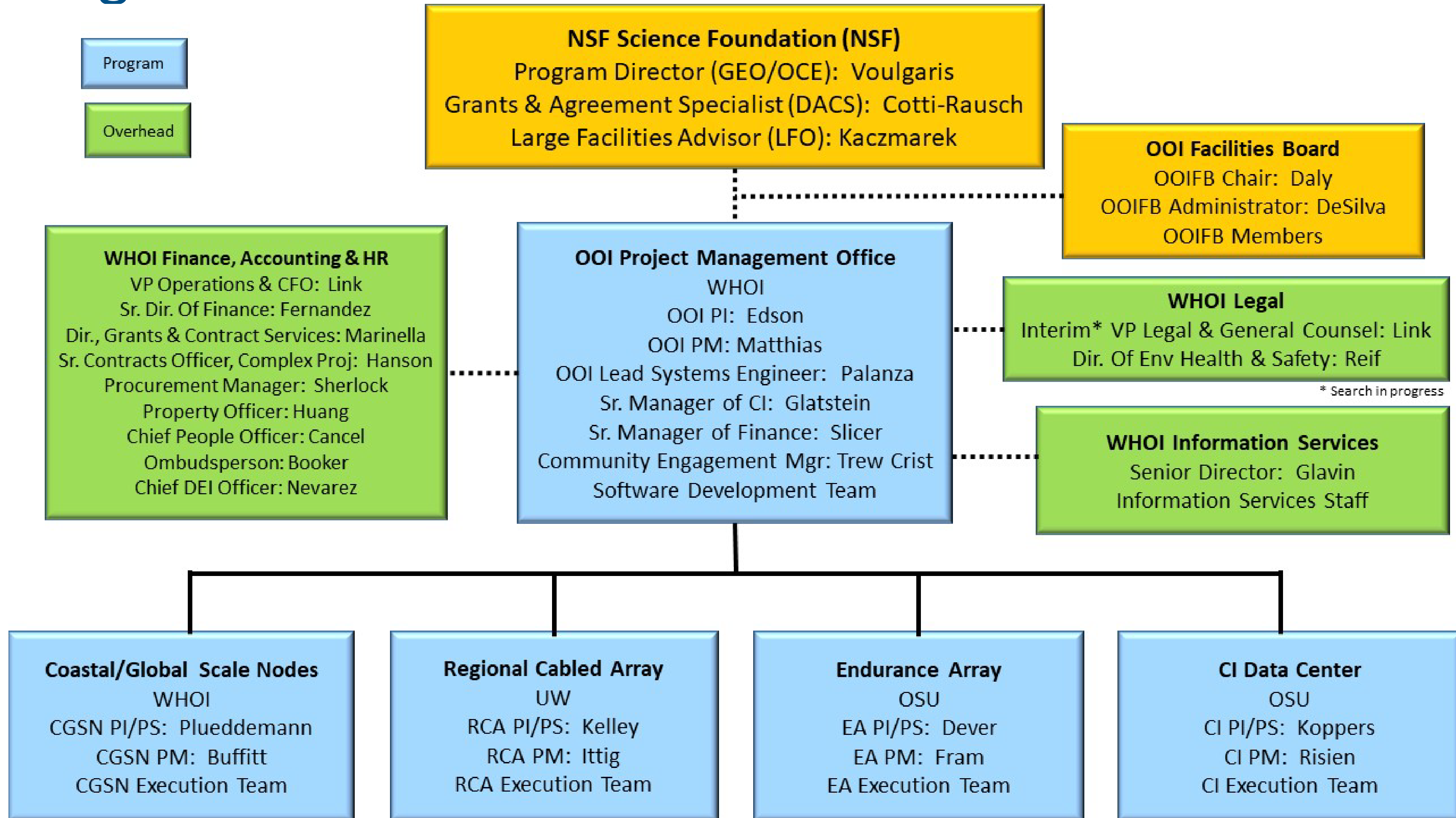


**Hydrothermal Vents**

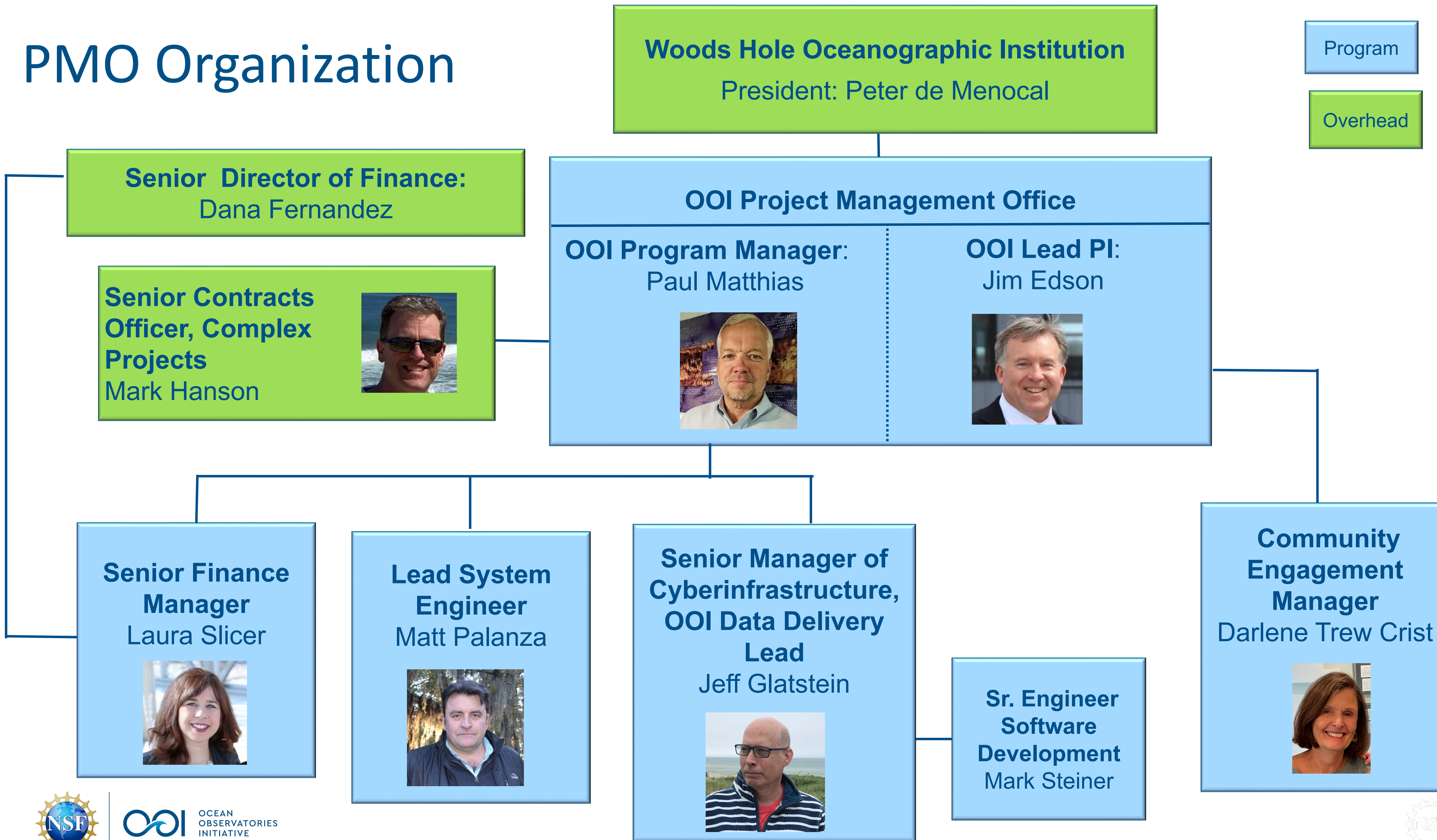


**Atmosphere-Ocean Exchange**

# OOI Organization established 2018



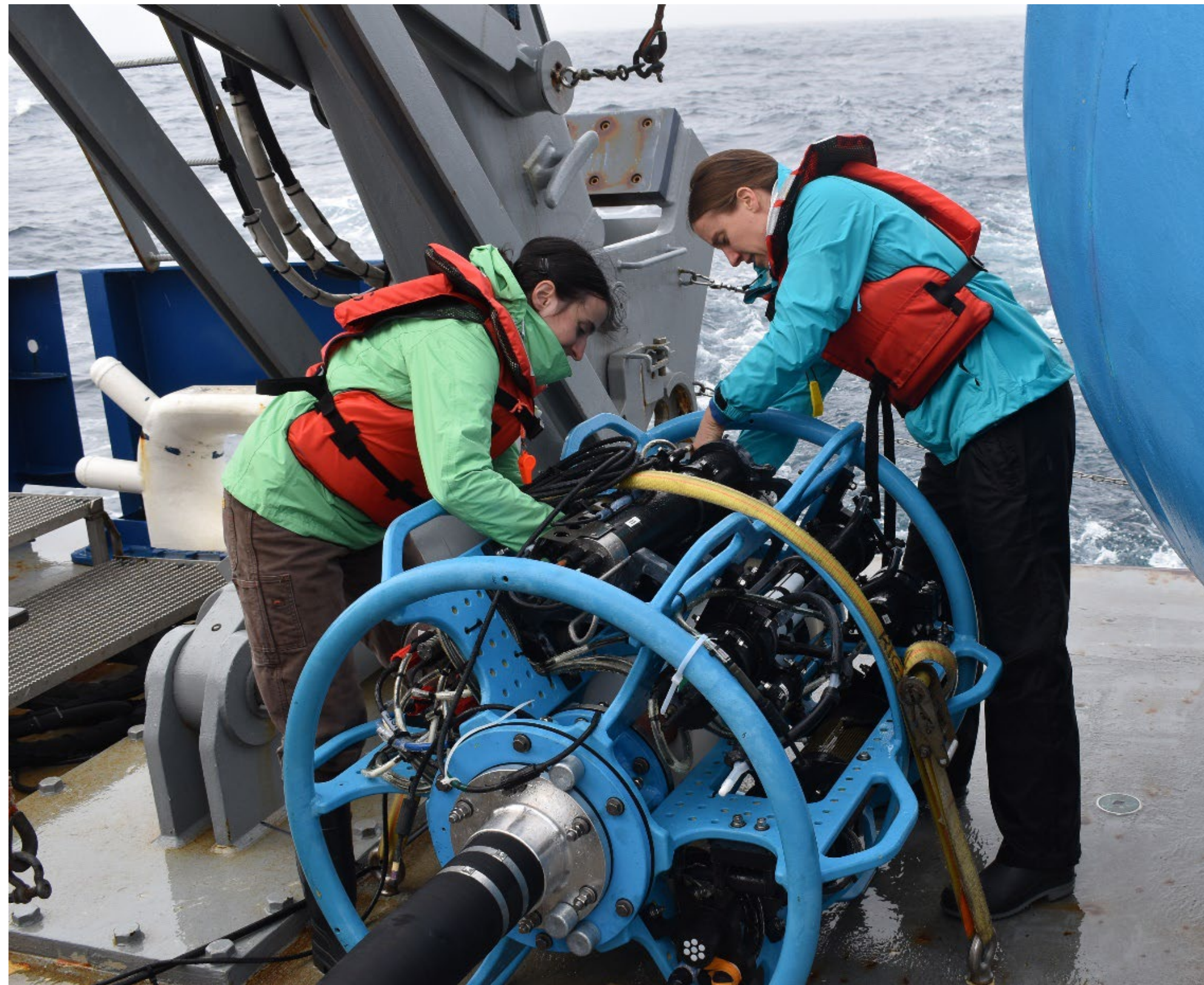
# PMO Organization



# Our Mission

*The OOI does not conduct research, the OOI provides research quality data to the user community (scientists, educators, and the general public).*

<https://oceanobservatories.org/how-to-access-data/>



# ECV Collected

## Surface Variables

- Pressure
- Radiative Fluxes
- Temperature
- Humidity
- Precipitation
- Moisture/Evaporation
- Vector Wind
- DC Stress & Buoyancy Flux

## Oceanographic

- Net Surface Heat Flux
- Temperature Profiles
- Salinity Profiles
- Currents Profiles
- Sea Level

## Biogeochemical Sensors (at multiple depths)

- pH
- pCO<sub>2</sub>
- Oxygen
- Plankton & zooplankton
- Nitrate
- Chlorophyll a

and we monitor an active volcano!

