



OCEAN  
OBSERVATORIES  
INITIATIVE

# PMO Report OOIFB Meeting

John Trowbridge

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# Thank you to OOIFB & DSC



OOIFB Town Hall, Ocean Sciences Meeting, 2020. Credit: ©WHOI.

- Annual Work Plan Review
- Pioneer relocation
- Town Hall at AGU
- DSC Survey
- Ongoing support



# Mission: Sustained data for a changing ocean

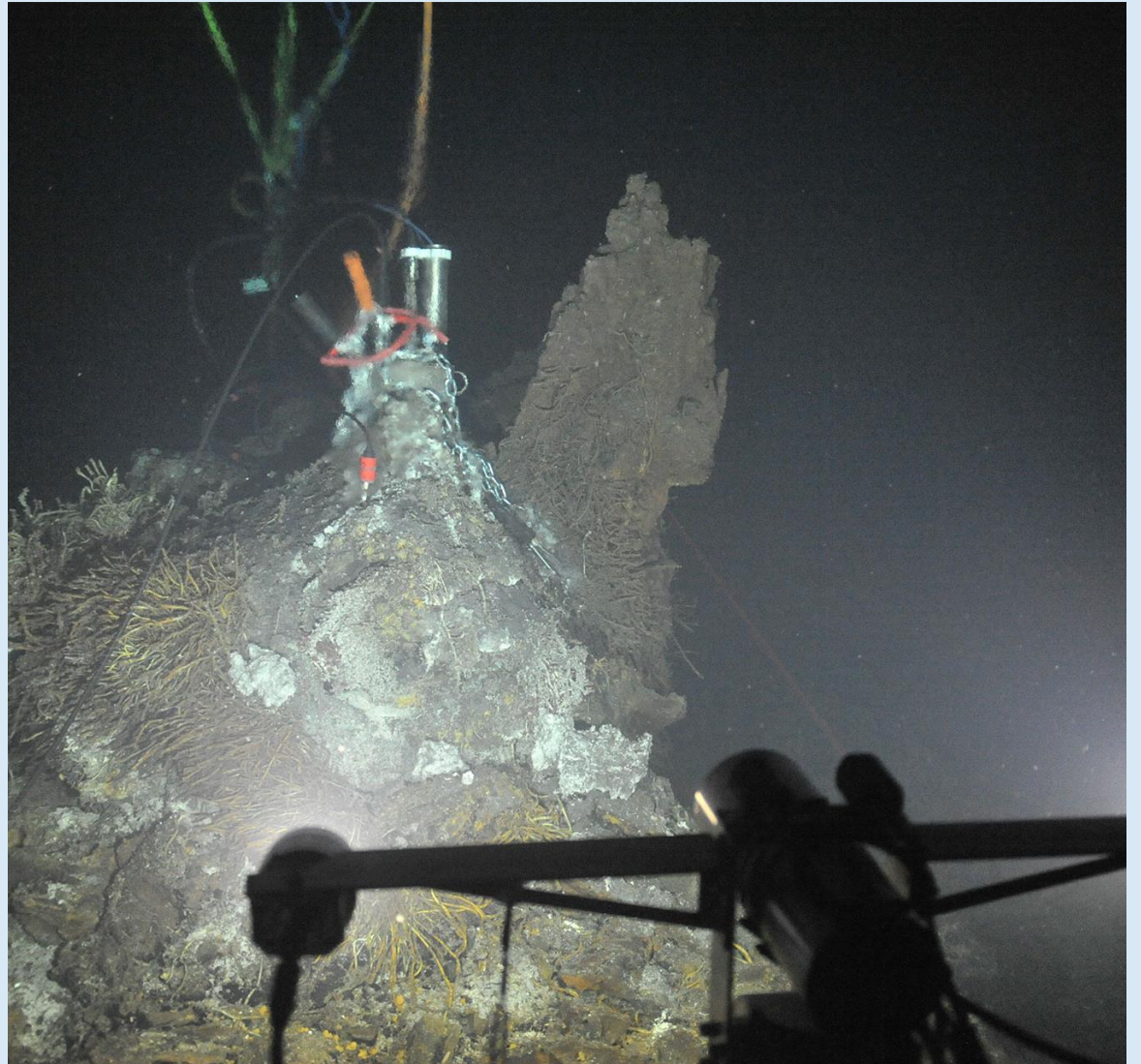


Sponsored by NSF. Operated and managed by WHOI, UW, and OSU.

- Management
- Refurbishment
- Cruises
- Cyberinfrastructure
- Community Engagement

# 2021 Accomplishments

- Seven major cruises
- Support for Pioneer site selection & high-level design
- New Data Center at OSU
- Rutgers roll-off



RCA Digital Still Camera lights up hydrothermal vent El Gordo. Credit: UW/NSF-OOI/CSSF.



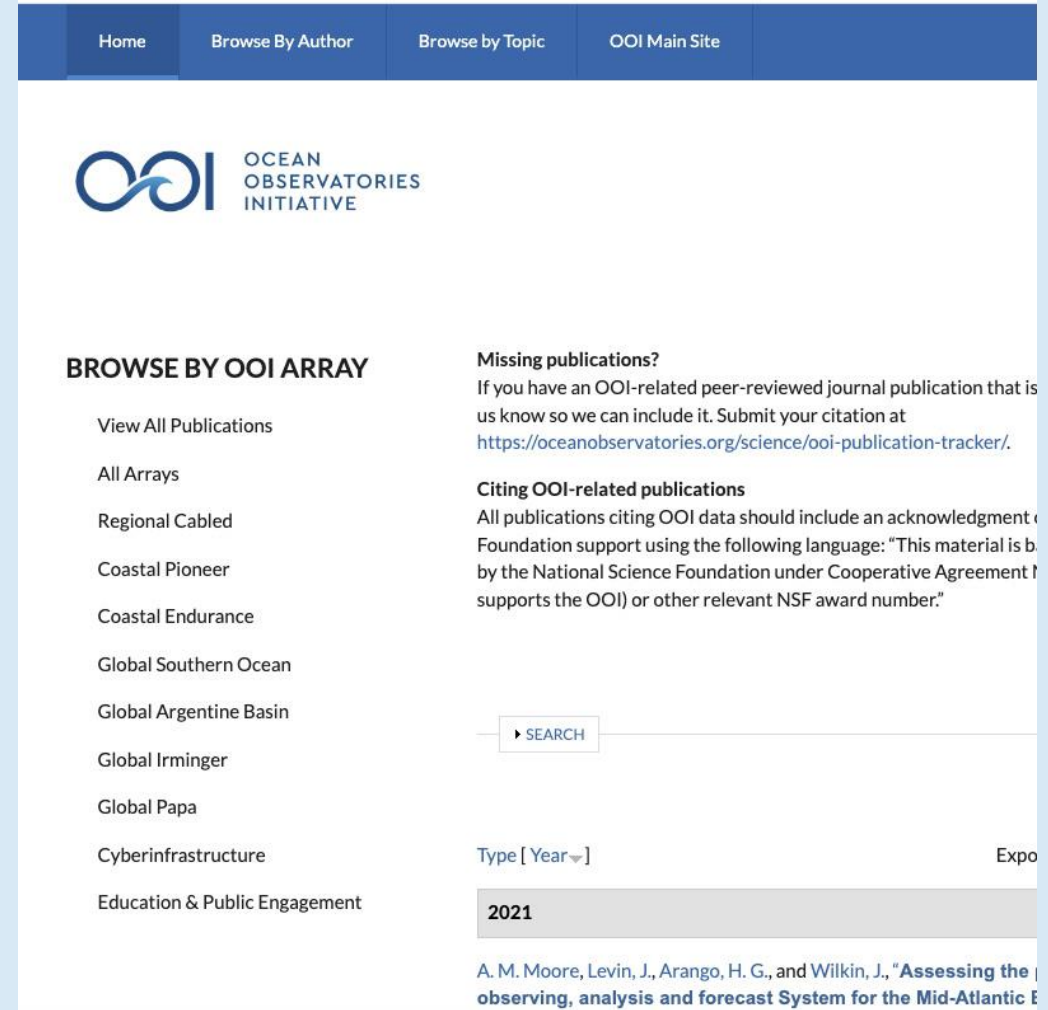
# Science Impacts

## 202 OOI-related publications in refereed journals thru 30 Sep 2021

- 177 lead authors
- 92 lead institutions
- 21 countries
- 5 continents

## 97 NSF awards using OOI data or infrastructure thru 30 Sep 2021

- \$53.1m total
- 74 lead PIs
- 34 lead institutions



The screenshot shows the Ocean Observatories Initiative (OOI) website. At the top, there are navigation tabs: Home, Browse By Author, Browse by Topic, and OOI Main Site. Below the navigation is the OOI logo and the text "OCEAN OBSERVATORIES INITIATIVE". The main content area is titled "BROWSE BY OOI ARRAY" and lists various OOI arrays: View All Publications, All Arrays, Regional Cabled, Coastal Pioneer, Coastal Endurance, Global Southern Ocean, Global Argentine Basin, Global Irminger, Global Papa, Cyberinfrastructure, and Education & Public Engagement. To the right of the array list, there is a section titled "Missing publications?" with a link to submit citations. Below that is a section titled "Citing OOI-related publications" with instructions on how to cite OOI data. At the bottom right, there is a search bar with a "SEARCH" button and a dropdown menu for "Type [ Year ]" with "2021" selected. The page number "6" is visible in the bottom right corner.



# Why It Matters

*Nature Climate Change:* Increased risk of a shutdown of ocean convection

*Nature Scientific Reports:* Anomalous near-surface low-salinity pulses off the central Oregon coast

*Nature Scientific Reports:* Direct interaction between the Gulf Stream and the shelfbreak south of New England

*Science:* Inflation-predictable behavior and co-eruption deformation at Axial Seamount

*Nature Communications:* The mechanism of tidal triggering of earthquakes at mid-ocean ridges



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# QUESTIONS?

