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# Updates from the OOI Operator

John Trowbridge, on behalf of the OOI Team

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- The OOI is a science-driven network that delivers real-time data from more than 800 multidisciplinary instruments to address critical science questions regarding the earth and ocean. Data are freely available online. The planned lifetime is 25 years.
- Operated and maintained by a partnership of WHOI, UW, OSU and Rutgers.
- Funded by the National Science Foundation.



# Since 2019 AGU Fall Meeting:

- Five major deployment & recovery cruises (in spite of COVID)
- Launch of website, monthly newsletter, Discourse, and Data Explorer
- Multiple new publications and science projects
- Details at [oceanobservatories.org](https://oceanobservatories.org)
- Follow on social media



The screenshot shows the OOI Data Explorer website. At the top, the title "OOI Data Explorer" is displayed in large blue font. Below the title are two navigation buttons: "Data Access" and "Interactive Data Views", both with yellow arrow icons. The background of the website is a blue ocean wave. Below the navigation buttons, there is a section titled "Welcome to the Ocean Observatories Initiative Data Explorer, where you can:" followed by a list of four features, each with a yellow arrow icon:

- Search and download cabled, uncabled, and recovered data for physical, chemical, geological, and biological observations from the field
- Compare datasets across regions and disciplines
- Generate and share custom data views
- Download full datasets using ERDDAP





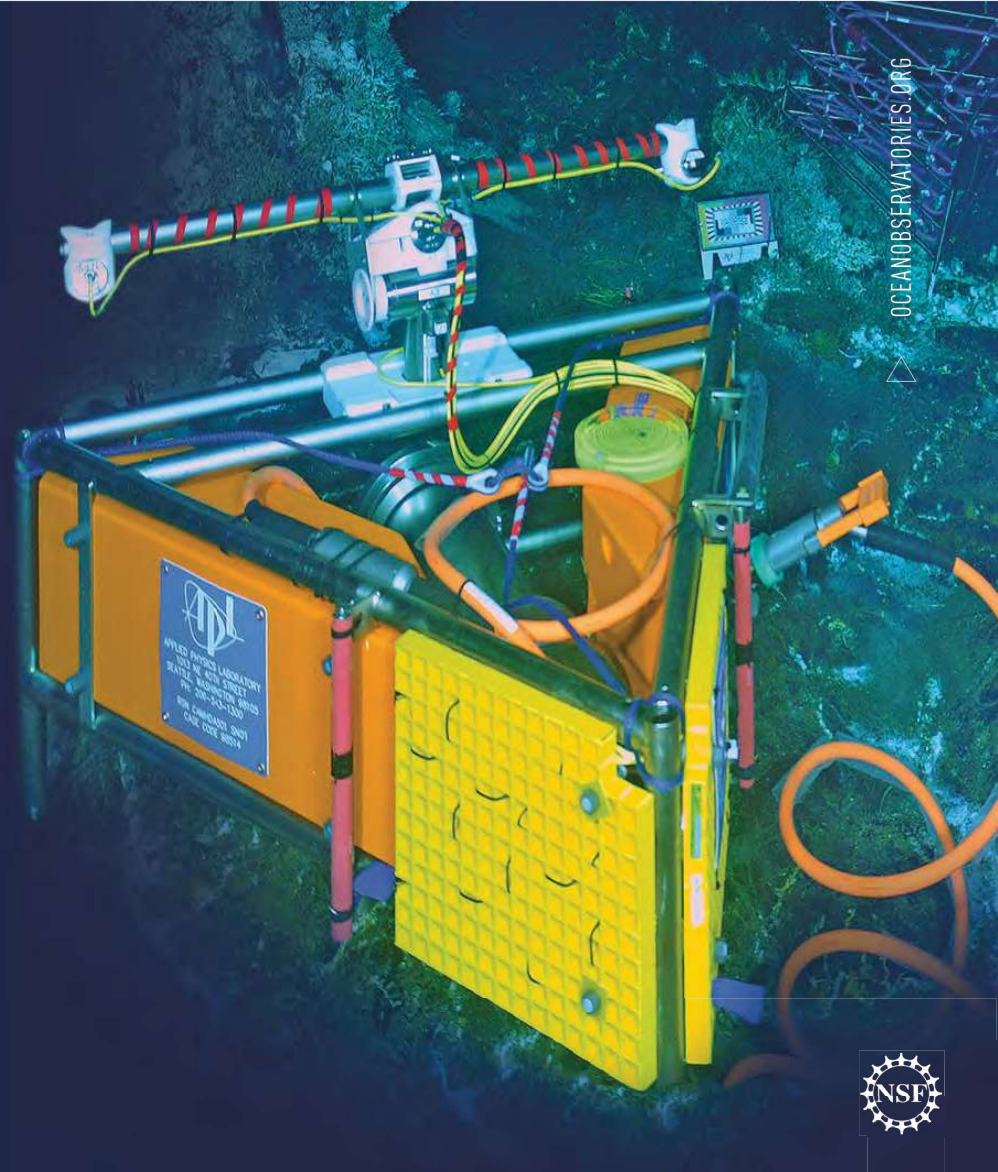
# What's Been Learned ...

- Major themes: Climate Change, Ecosystems, Natural Hazards
- Sample publications:
  - *Nature Climate Change*: Increased risk of a shutdown of ocean convection
  - *Nature Communications*: Mechanism of tidal triggering of earthquakes at mid-ocean ridges
  - *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
- More information, many more examples, and details at [oceanobservatories.org/science/publications/](https://oceanobservatories.org/science/publications/) and [/projects-and-related-research/](https://oceanobservatories.org/projects-and-related-research/)



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# Questions?



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