

Capacity building in observations for a sustained stewardship of the deep ocean

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One Ocean Network for Deep Observation (One Deep Ocean)

A global collaboration with Ifremer, EMSO-ERIC, Ocean Networks Canada and JAMSTEC to support world-leading research into how deep-sea organisms respond to habitat disturbance and long-term environmental change.

- **A common objective:** understand how the deep-sea ecosystems are functioning, how they are affected by climate change and human activities, as well as contribute to protect people from natural hazards;
- **A network** of seabed & water column observatories that delivers *in situ* sensor's time-series data and imagery;
- **Opportunities for knowledge exchange and capacity building** that will allow students and early career ocean professionals to access deep-sea and water column observational facilities.

Current Opportunities

EMSO Academy



EMSO ERIC offers training and courses for the professional development of students, researchers, and marine science users. Secure your seat for the PLOCAN Glider School, an internationally recognized training forum in marine glider technology (Gran Canaria, October). Scan the code below for more!



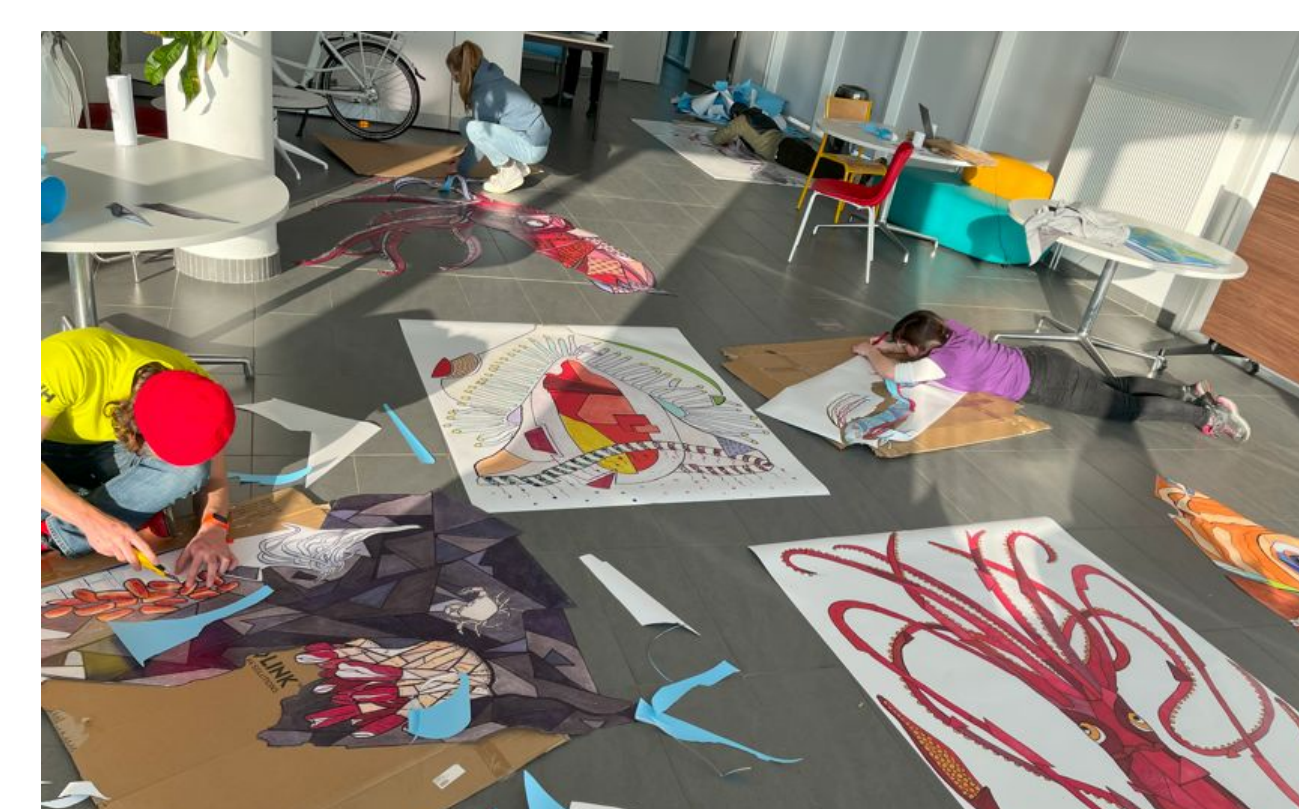
Researcher-in-Residence

Ocean Networks Canada invites researchers and early career ocean professionals from the global community to apply for residencies of one to 12 months at our facilities in Victoria, British Columbia. The program fosters closer connections between ONC, the research community, and interdisciplinary initiatives. Scan the code below to apply!



Deep-Sea Street Art

With the support of Mutualised Interdisciplinary Projects (PIM) of the IsBlue, we organised a Deep-Sea Street Art training session for the students from the universities and engineering schools in west Brittany. By associating a street artist, deep-sea researchers and engineers, the students presented their inspirations through street art that were exposed on walls in the campus.



Deep-Sea Street Art Gallery



, financed by



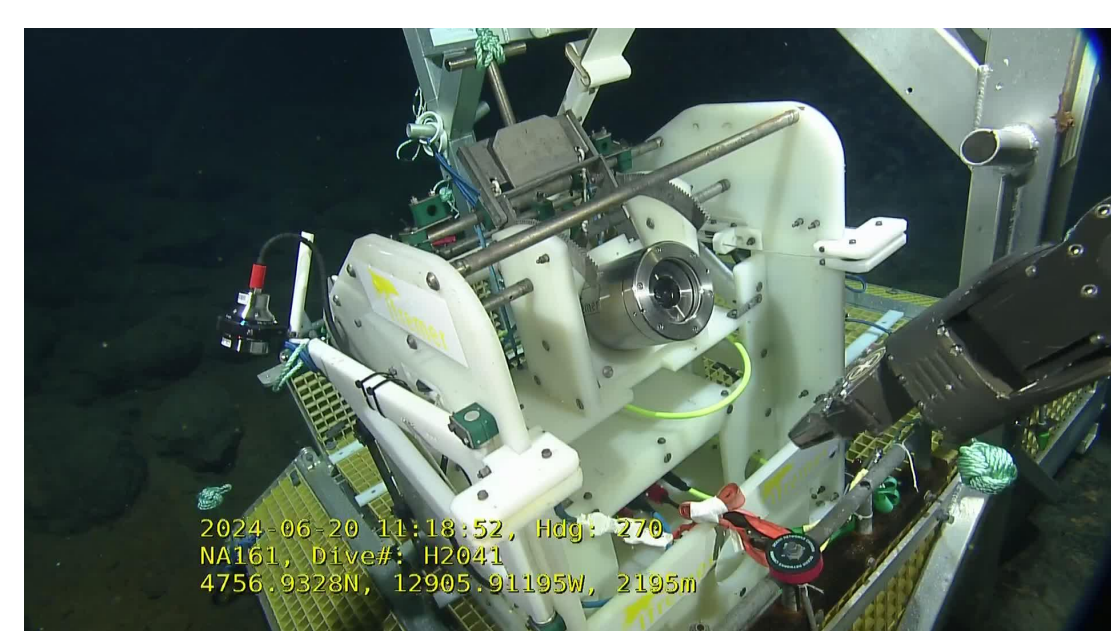
The interdisciplinary graduate school for the blue planet

TEMPO-Mini

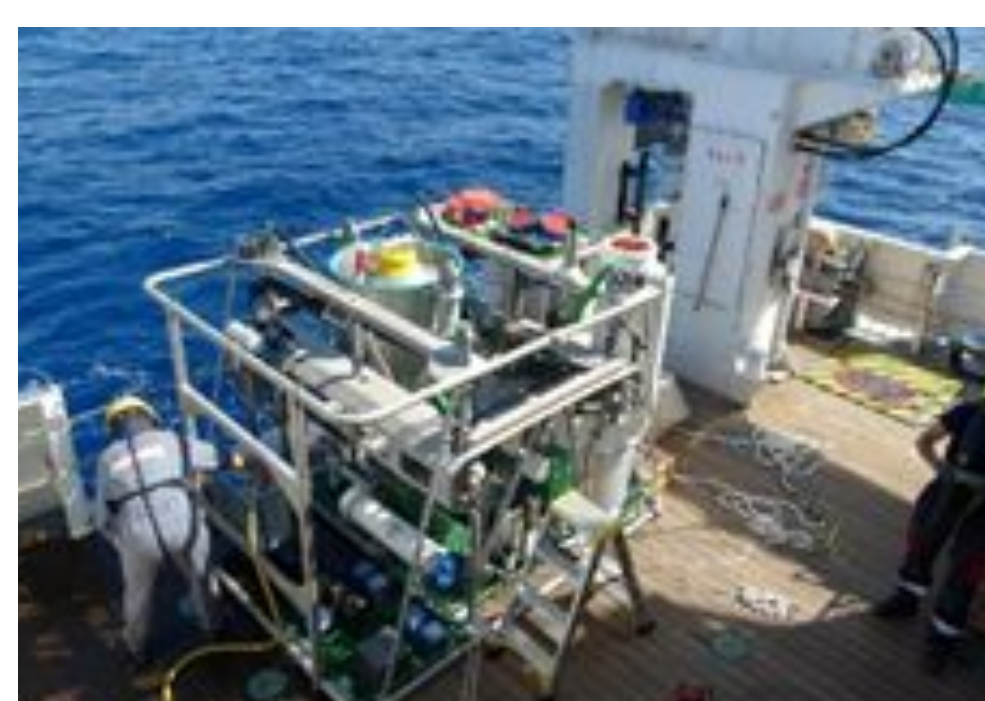


The TEMPO-mini camera was deployed at the Endeavour Hydrothermal Vents in 2024. Design and deployment of the camera is a collaborative project between IFREMER and ONC.

Access camera stream here!



An observatory in the South Pacific



Deployment of a benthic station during the KASEAOPE-2 cruise (Oct., 2024). More on the observatory → poster P372|OOS2025-1062

A multi-parameter observatory is deployed in the Natural Park of the Coral Sea (New Caledonia) to observe the dynamics of seamount observatory. Capacity building is a crucial pillar to sustain a series of five research cruises.



Help us design more impactful initiatives

Respond to our survey here!

We would like to invite you to take part in a short (less than 10 questions) survey to share with us your views and thoughts on capacity building & training.

Scan Me

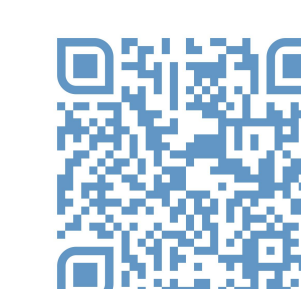


ONE OCEAN
SCIENCE
CONGRESS

Decade Call for Action no. 09/2025 (Apply by 31 August)

"Training and capacity building" We are looking for projects that coordinate and provide training opportunities to allow students and early career ocean professionals to access deep-sea and water column observational facilities, in particular the observatories infrastructures managed by the partners of the programme.

Contact: spobs@ifremer.fr



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development