EMSO ERIC Newsletter No. 7 - December, 2024



Dear EMSO Community,
This has been a transformative year for our Research Infrastructure. We successfully navigated the rigorous evaluation process conducted by the European Strategy Forum on Research Infrastructures assessment, which marked also my arrival in EMSO as new Director General, and successfully initiated the development of our long-term strategy, charting an exciting course for the EMSO future.
As we look to 2025, which holds further opportunities and challenges, I am confident that together we will continue to make significant contributions to marine science and ocean sustainability.

Ingrid Puillat
EMSO ERIC Director General

News EMSO Facilities Cruises Social impact EU projects

News





Call for Abstracts: Join us at EGU2025!

We invite you to submit abstracts to the session “Inter- and Transdisciplinary Studies of the Geosphere: Challenges and New Perspectives”, co-organised by EPOS ERIC, Geo-INQUIRE, EMSO ERIC and ECCSEL ERIC within the EGU General Assembly 2025. This session aims to discuss the innovative

approaches to tackling complex geoscience challenges and foster scientific cross-fertilization exploring real-life scientific studies and research experiences from scientists and Early Career Scientists in Environmental Sciences.

Read more and submit your abstract here



Seagrass Blue: an innovative approach for ocean restoration within EMSO Physical Access

The Seagrass Blue project aims to revolutionise seagrass restoration efforts for carbon removal and biodiversity enhancement to better face the ocean global challenges.

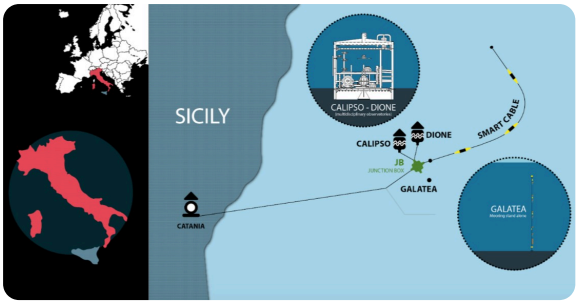
Full article

EMSO has obtained ISO 14001:2015 certification

This international certification recognizes our commitment to environmental sustainability and our efforts to reduce our environmental impact.

For more

Updates from the EMSO Regional Facilities



World's First SMART Cable Data Release at EMSO Western Ionian Sea!

After the first wet demo in the world that took place in the Mediterranean, at the EMSO Western Ionian Sea (WIS) facility as part of the Italian project InSEA, the SMART cable of WIS has entered into ordinary operation and is regularly releasing the data acquired.

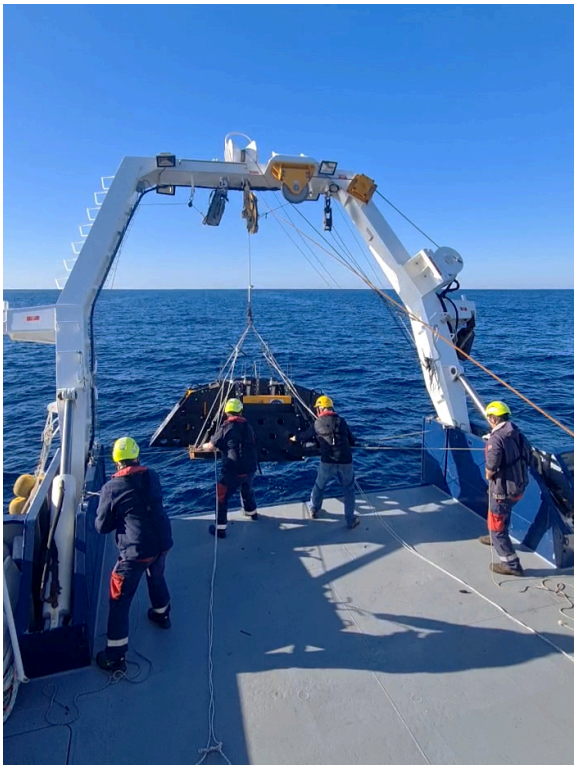
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SmartBay EMSO node deploys two cyberinfrastructure for ANERIS

This July, the SmartBay Observatory was re-deployed in Galway Bay after a time out of water for mandatory maintenance. Along with this deployment, two new imaging sensors for were installed on the observatory as part of research activities linked to the ANERIS Horizon Europe project.

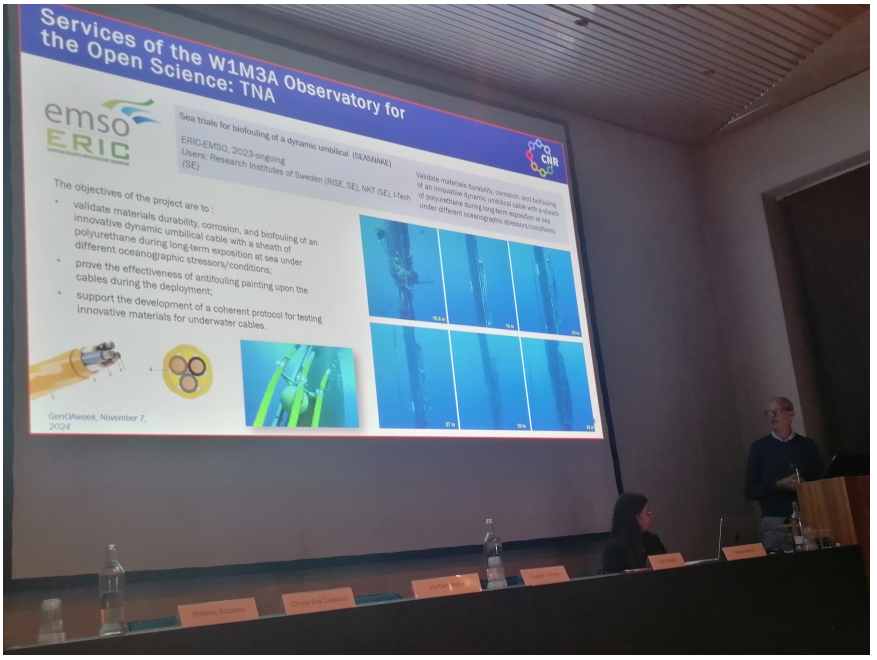
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The Multiparameter MUG-OBS system returns to the Ligurian Sea depths for a 4-year mission

On November 15, 2024, teams from the Géoazur research lab, the manufacturing company OSEAN and the crew of the French research vessel Téthys II, have successfully deployed the MUltiparameter Geophysical Ocean Bottom System (MUG-OBS) in the Ligurian Sea.
Settled at 2336 m depth in the EMSO Ligurian Sea Regional Facility (DYFAMED site), the MUG-OBS will record continuous time series for 4 years.

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The Western Mediterranean research facility of EMSO ERIC at the GenOAweek

The Western Mediterranean research facility (W1M3A) attended the GenOAweek 2024 on 7 November 2024 at the Research Area of the Consiglio Nazionale delle Ricerche (CNR) in Genoa. The event was comprised of sessions dedicated to presentations about the implementation plan of the CNR Open Science Roadmap, and national and international speakers addressing topics such as the so-called Diamond Open Access, copyright, and access to research infrastructures.

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Cruises





A great success for the Momarsat 2024 cruise

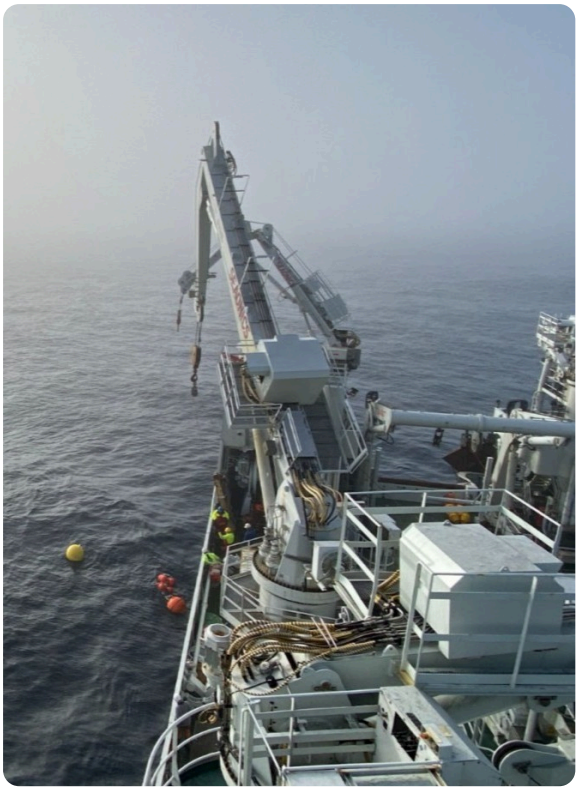
The Momarsat cruise was held from August 4th to August 24th 2024 on the R/V L'Atalante with the ROV VIctor6000 with Pierre-Marie Sarradin and Marjolaine Matabos as chief scientists.

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Successful deployment of EGIM in the Norwegian Sea

On 27 September, after a long phase of planning, an EMSO Generic Instrument Module (EGIM) was deployed at Station M in the Norwegian Sea for a four month test period.

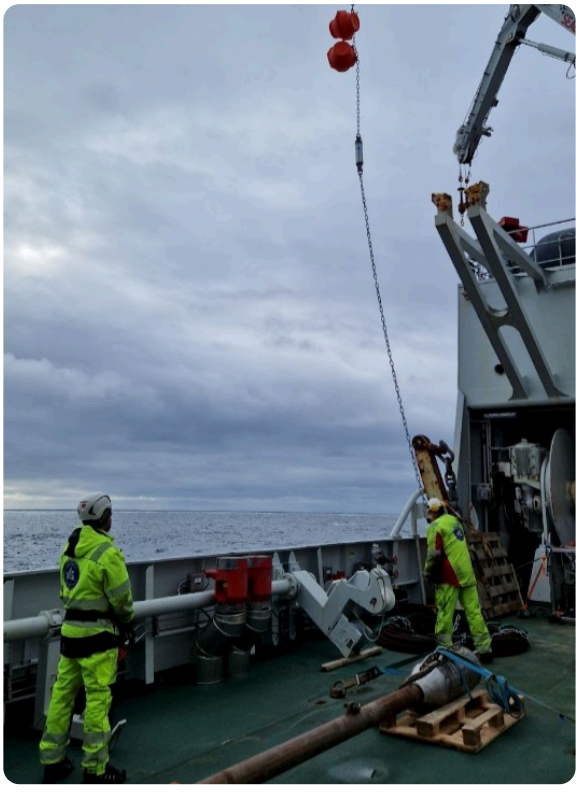
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Moving towards an ice free Fam Strait in summer?

This year's annual cruise from the Norwegian Polar Institute to the Fram Strait was exceptional: there was not a single bit of drifting sea ice in the East Greenland Current. And this was the case as far north as 81°N, where the mooring array which monitors the outflow with the East Greenland Current is located at 78.8°N.

Read more

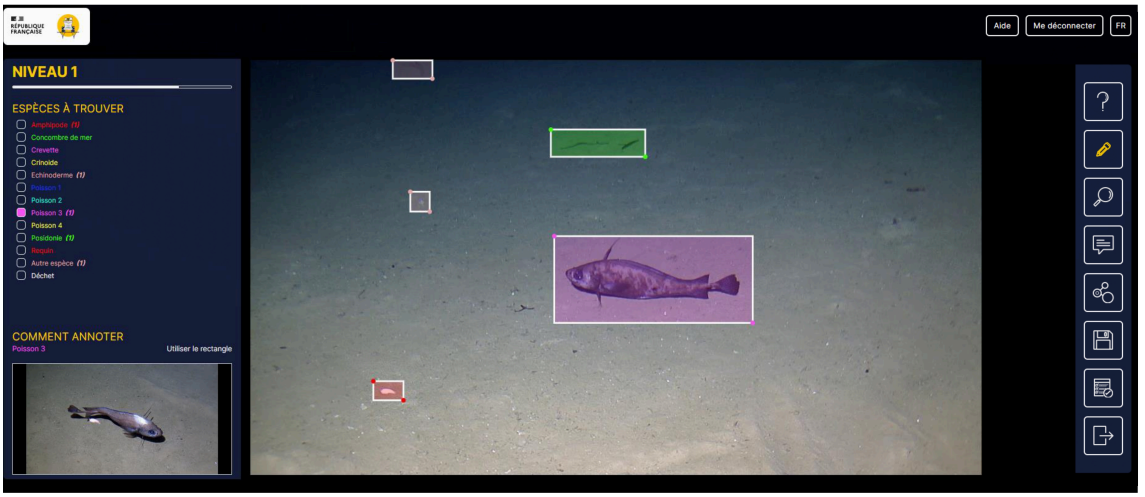


New deployment of mooring at South Cape

On May 22nd 2024 at South Cape, a mooring was deployed from the Research Vessel Kronprins Haakon which will remain there for a year. There, pingos were found to release very large quantities of methane gas into the water column as visually observed during ROV dives. The aim of the mooring is to monitor this methane release and observe how it might vary with regard to the environment setting.

Read more

Social impact



Mediterranean Spy: A Citizen Science Project Unveiling the Secrets of the Mediterranean Sea

The Mediterranean Sea, a cradle of biodiversity and a unique marine environment, faces increasing pressure from climate change, pollution, and overfishing. To address these challenges, Mediterranean Spy has been launched as an innovative citizen science initiative aimed at both the general public and researchers.

Read more

EU projects



Innovation under the waves: how the GEORGE project advances pCO2 measurements on EMSO's EGIM platform

In this article, together with Nadine Lantéri, who leads the EMSO French national branch, we will embark on an excting journey on the EGIM, EMSO Generic Instrument Module, exploring its scientific applications and further advancements within the GEORGE project.

Read the full story



EMSO Director General highlights AI advancements in ocean imaging at ICRI

During the EGI Foundation Side Event "Empowering Research Infrastructures for Global , which took place in Australia this month within ICRI 2024, EMSO Director General Ingrid Puillat was invited to explore the transformative potential of Artificial Intelligence (AI) in revolutionizing oceanographic research.
She emphasized the significant strides made by EMSO in AI-powered ocean imaging within the Horizon Europe-funded iMagine project, coordinated by the EGI foundation, in which the ERIC is a key participant.

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EMSO ERIC: Pioneering deep-sea technology for ocean monitoring

During the GEORGE annual meeting, Simo Cusi, EMSO Engineering and Logistics Officer, presented the latest advancements in technology and deployments within the project.

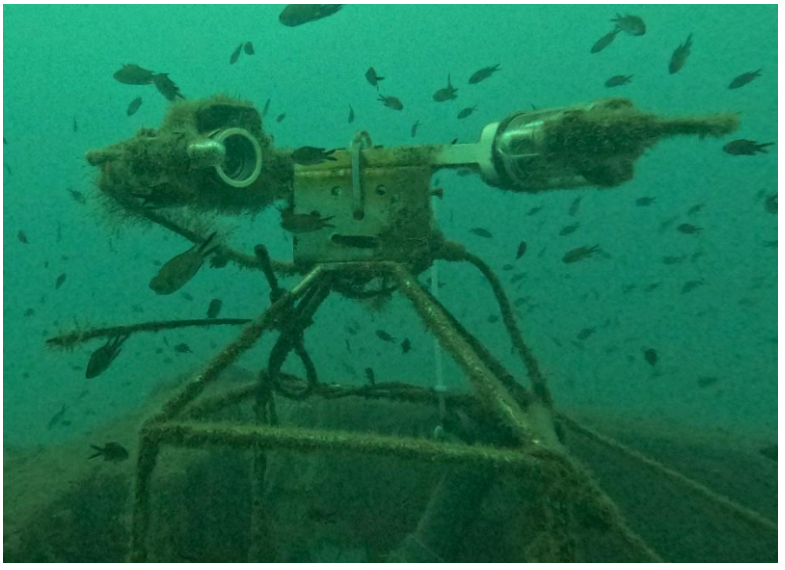
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Advancing Marine Data Collaboration at Blue-Cloud Meetings

From November 5 to 7, 2024, EMSO ERIC actively participated in the 4th General Assembly and Technical and Scientific Committee meeting of Blue-Cloud 2026.

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Updates on Underwater Vision Profilers at EMSO Sites

As part of the ANERIS project, two Underwater Vision Profilers (UVP6) have been operational at key EMSO observatories, continuously monitoring marine particles and plankton populations.

Read more



Advance Marine Research Infrastructures Together: The AMRIT Project

We are delighted to announce the launch of the AMRIT Website.
AMRIT – Advance Marine Research Infrastructures Together is a cutting-edge project funded by the European Union under the HORIZON-RIA program. This ambitious 48-month project which commenced in March 2024 is set to redefine collaboration, coordination, and innovation in marine research across Europe.

Read more

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