

European
multidisciplinary
seafloor and water-column
observatory development



Newsletter

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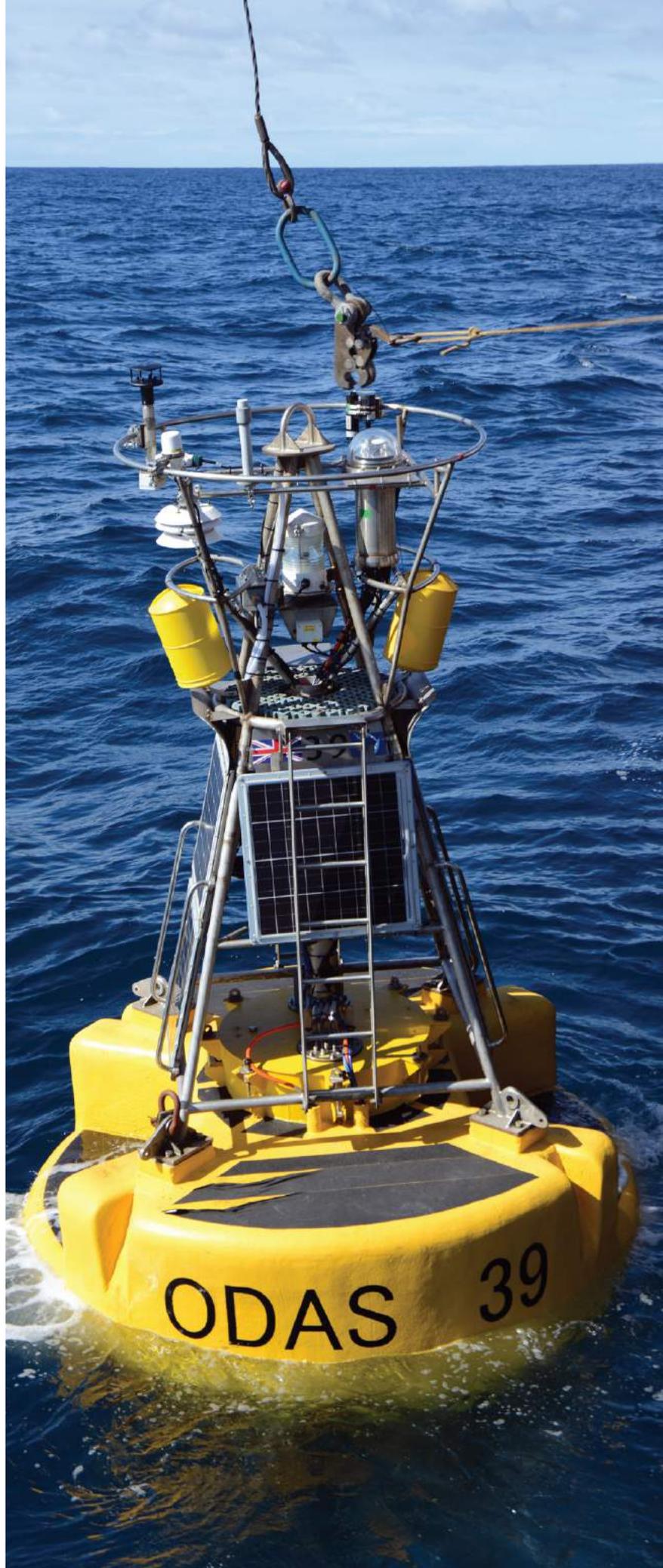
EMSODEV

Project progress

On January 21st, 2016, the European Research Infrastructure Consortium (ERIC) Committee approved the European Multidisciplinary Seafloor and water-column Observatory's (EMSO) request to become an ERIC, thus closing step 2 of the multi-year application process. It is now in the hands of the European Commission to give the final approval and publish the Statutes in the Official Journal of the European Union. France, Greece, the UK, Ireland, and the host country Italy are now full members of the ERIC, whereas Portugal, Romania and Spain are completing the application process.

A real breakthrough for EMSO ERIC in the field of coordinated ocean information networks is the EMSO DEvelopment H2020 project (EMSODEV). EMSODEV is developing the EMSO Generic Instrument Module (EGIM), an integrated suite of sensors that will harmonise core measurements performed throughout the infrastructure. This will create an innovative, standardised, and harmonised system of scientific measurements and time series, significantly contributing to the European collection of Essential Ocean Variables (EOV). As such, this will also strengthen Europe's role as a key player in the development of the Global Ocean Observing System (GOOS).

As the EGIM is open and modular, EMSO ERIC can also offer it as a service to Industry for “client specific” purposes. It can be used, for instance, for impact assessment of marine renewable energy concepts; for resource evaluation of marine turbines; for monitoring oil and gas spill accidents; for impact assessment of marine mineral resource extraction fields; for subsea monitoring of sediment debris flows (current and turbidity); for geo-hazard monitoring of oil and gas production fields; and for monitoring fish behavior in key areas.





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