

JPI Oceans - The Joint Programming Initiative Healthy and Productive Seas and Oceans

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The Joint Programming Initiative Healthy and Productive Seas and Oceans (JPI Oceans) is an intergovernmental initiative launched by the Council of the European Union in 2011 to provide a strategic policy platform for a long-term European approach to marine and maritime research and technology developments. JPI Oceans currently brings together 21 European countries (representatives from ministries and research funding agencies), who invest in marine and maritime research and covers all European sea basins.

JPI Oceans adds to the value and impact of national R&D and innovation investments by:

- aligning national policy priorities, strategies, policies, competences and programmes
- driving scientific excellence through mission oriented joint actions
- building trust and encouraging new forms of collaboration and partnership between local, regional, national and European policymakers, research funding agencies, research performing organizations, international initiatives and other stakeholders
- fostering and testing new cooperative tools and innovative approaches and science-policy cooperation with stakeholder involvement to translate science into policy

JPI Oceans has launched a number of actions, above and beyond joint calls for proposals, testing different approaches and new collaborative tools that are fit for purpose and working towards the alignment of national programmes. In each action, one or two countries take the lead, driving the process in partnership with the other participating countries.

Current actions include:

- **Ecological aspects of microplastics:** JPI Oceans has mobilized funding of €7.7M from 10 countries for a joint call to address this emerging issue (see the focus on this action)
- **Technology and Sensor Developments MarTERA ERA-Net**
- **Cofund:** JPI Oceans has supported a new ERA-Net Cofund on maritime and marine technologies and Blue Growth. In December 2016, MarTERA launched its first call (€30M) to finance research and innovation on environmentally friendly maritime technologies, development of novel materials and structures, sensors, automation, monitoring and observations, advanced manufacturing and production, safety and security
- **Blue Bioeconomy:** through JPI Oceans, and in collaboration with ERA-Nets COFASP and MarineBiotech, 22 funding agencies from 17 member countries have announced the ambition to commit around €30M in partnership with the European Commission's Horizon 2020 programme by 2019 to fund research and innovation that will support the development of a sustainable and climate-friendly blue bioeconomy, targeting zero waste, production, harvest and exploitation of aquatic biomass for use in food and other bio-based value chains
- **Ecological aspects of Deep Sea Mining:** analysing the long-term ecological impacts of deep-sea mining. The impact of the action is now also visible at global level, providing input to the ongoing deliberations of the International Seabed Authority. For the second phase of the action, 5 JPI Oceans member countries launched on 1st August 2017, a joint call (€6M) on Impacts of Deep-Sea Nodule Mining with possible in-kind contributions from other countries.
- **Munitions in the Sea:** providing scientific support to agencies addressing these risks, assessing available and new detection technologies and exchanging knowledge and practices
- **Intercalibration for the EU Water Framework Directive:** proving comparability of assessment methods in different countries, by pooling funding from environmental authorities to engage

experts, increase experience with joint data collection and analyses and providing cost-efficient scientific support to policy

- **European Marine Sensor Calibration:** forming a network for pursuing metrologically sound ocean measurements and instruments capable of continuous operation within known parameters during prolonged deployment in harsh conditions
- **Food and Nutrition Security:** Cooperation with JPI FACCE and JPI HDHL towards the launch of a Knowledge Hub

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