



BG-04-2017: Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies





Specific challenge

- Combining several activities such as renewable energy, aquaculture, maritime transport and related services in the same marine space, including multi-use platforms
- Research on multi-use platforms funded under FP7 call 'The Oceans of Tomorrow' has provided promising design, technological solutions and models for combining activities



Previous funded projects under FP7 call “The Oceans of Tomorrow”

MERMAID- "Innovative Multi-purpose off-shore platforms: planning, Design and operation“ (2012-01-01 to 2015-12-31)

TROPOS- "Modular Multi-use Deep Water Offshore Platform Harnessing and Servicing Mediterranean, Subtropical and Tropical Marine and Maritime Resources“ (2012-02-01 to 2015-01-31)

H2OCEAN- "Development of a wind-wave power open-sea platform equipped for hydrogen generation with support for multiple users of energy“ (2012-01-01 to 2014-12-31)



Scope

- Combinations of innovative, cost-effective technologies and methods including automation and remote monitoring technologies, flexible structures and facilities in order to test concepts of multi-use platforms leading to pilot demonstration phases
- Test sustainable operability of co-located maritime activities around coastal or deep sea environments
- Address health and safety issues associated with multi-use marine platforms
- Address environmental and economic viability as well as societal acceptance, involving local communities



Expected impact

- Bring technologies and selected design of multi-use facilities at least to TRL5, ensuring validation of technology in the relevant environment
- Reduce costs of implementation and increase economic viability of multi-use platforms for the European maritime industry
- Improve health and safety in multi-use platforms



Expected impact

- Secure acceptance of these new developments by local communities and society-at-large
- Contribute to the implementation of the Integrated Maritime Strategy and its environmental pillar, the Marine Strategy Framework Directive, and take due account of the Marine Spatial Planning Directive
- Improve the professional skills and competences of those working and being trained to work within the blue economy



Topic data

- Type of action: Innovation Action
- EU contribution: up to 8 M€
- Budget: 8 M€
- Deadline: 17/02/2017