

## Gliders for Research, Ocean Observation & Management

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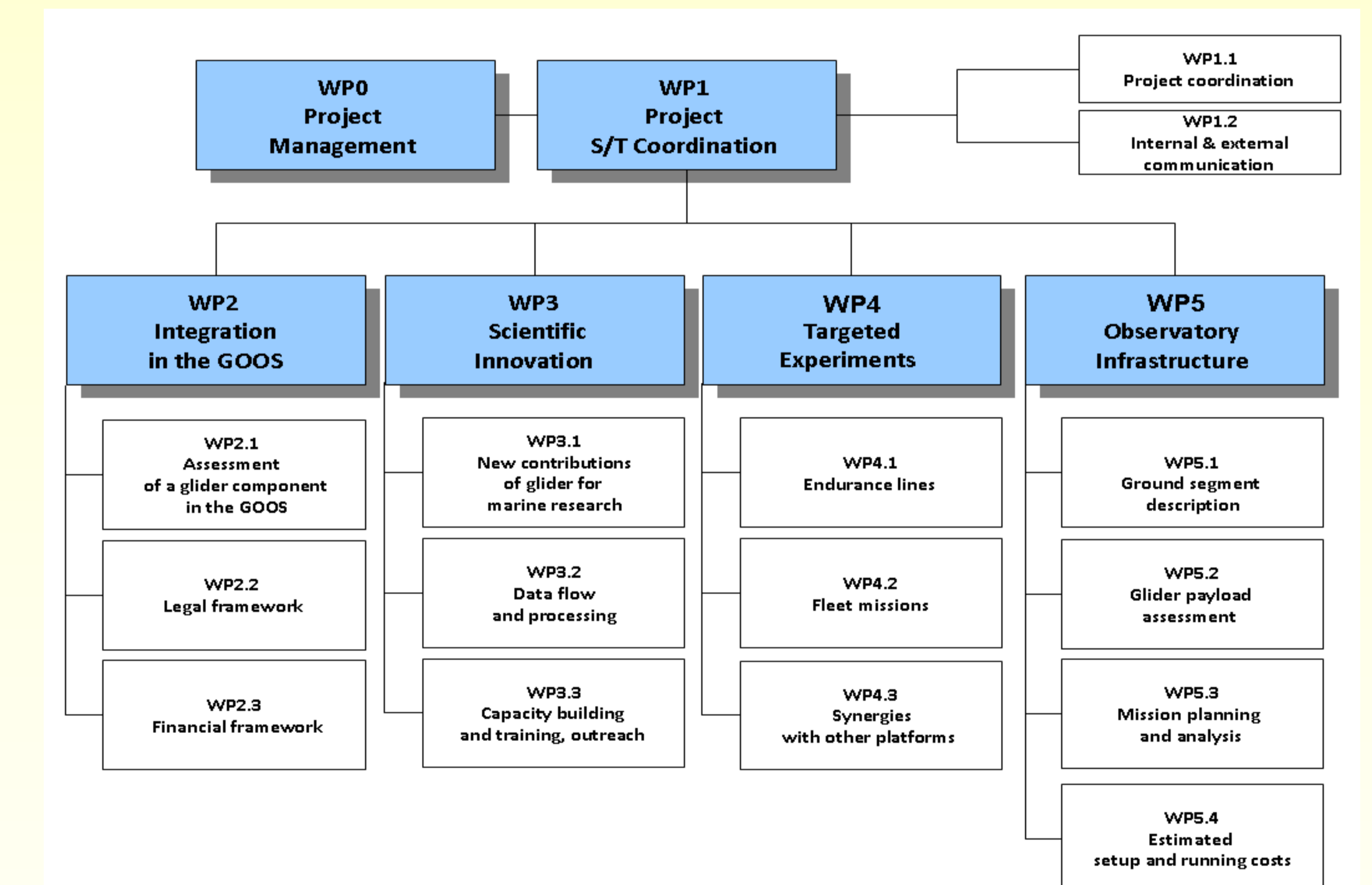
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- 19 partner institutions from 9 EU countries & 1 associated country (Cape Verde)
- Coordinator: Laurent Mortier, LOCEAN, Paris, France
- Duration: 1 Oct. 2011 - 30 Sept. 2014



Three types of underwater glider

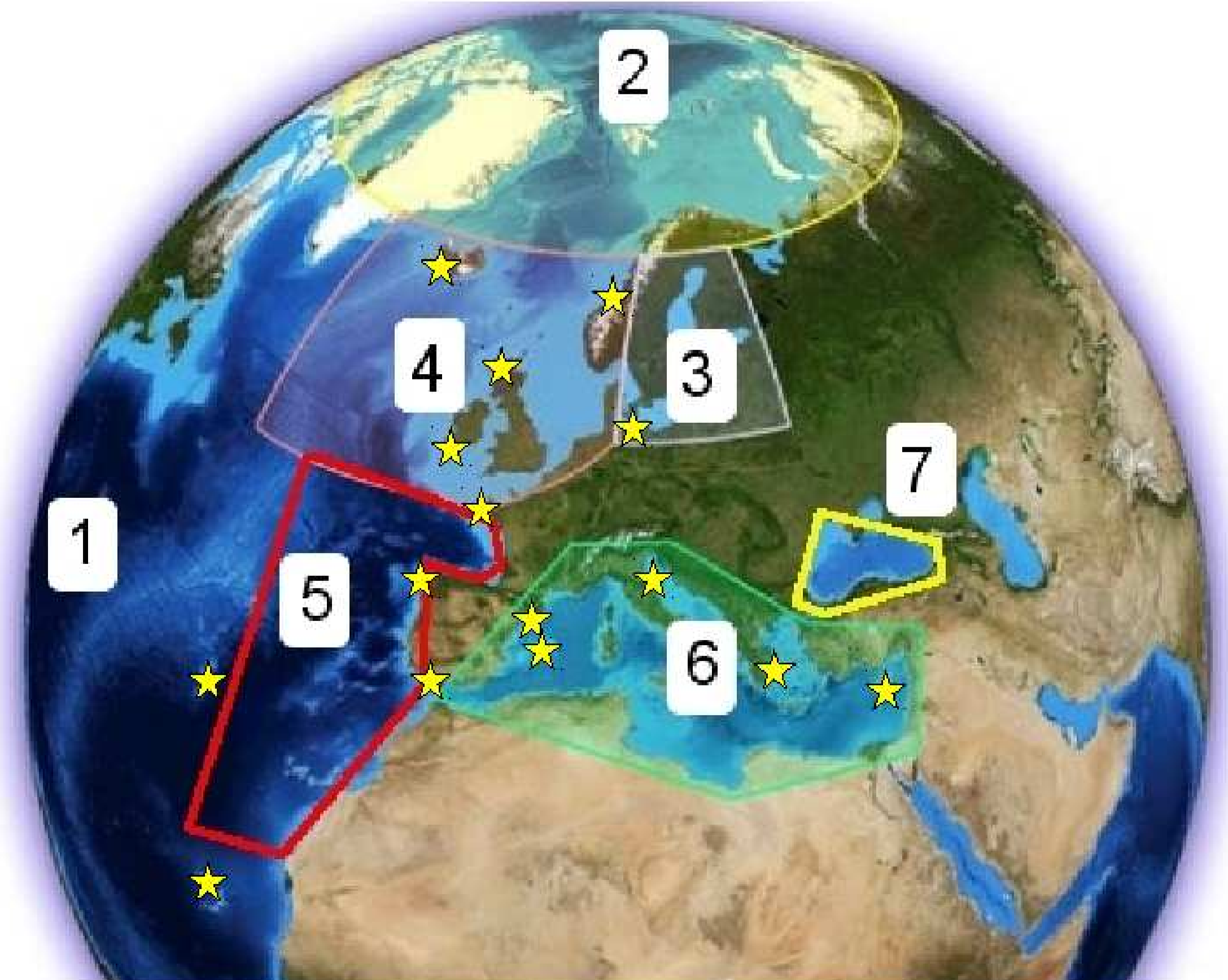
- GROOM is a European Union funded design study to evaluate the requirements for a sustainable glider infrastructure for Europe
- The networking proposed in GROOM will overcome the existing but fragmented infrastructure
- The infrastructure shall be designed to fill gaps left by the present marine observation systems → on global, regional and coastal scales
- It shall serve fundamental research as well as operational oceanography needs
- It shall maximize the efficiency and scientific outcome in operating gliders
- Networking and capacity building for the present as well as future glider community – on European and Global level



Work packages and associated tasks of the GROOM project

Specifically GROOM will pave the way for sharing:

- optimized way for glider operations thought 'glider ports'
- free and efficient exchange of information
- hardware, software and service (maintenance of glider)
- efficient flow of data – including appropriate data quality control procedures
- procedure and protocol standardization for different sensors and their calibration
- routine methods to steer glider fleets in an optimised way, including an integration of the two-way communication capabilities in the existing observing and modelling system



GROOM gliders ports (yellow stars) and the 7 GOOS/ROOS'es