



EuroSea EC perspectives

The slides are not valid without
the spoken words

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EuroSea kick off Meeting
27 November 2019

BG-07-2019-2020: The Future of Seas and Oceans Flagship Initiative

- Main EU contribution to make ocean observations and data management in European seas and the Atlantic Ocean fit for the future
- *Supports* G7 Future of the Oceans Initiative & International Ocean Governance Communication, UN ocean decade, MSFD
- To effectively address local and global challenges to:
 - ✓ forecast ocean conditions and climate change
 - ✓ assess and protect biomass and biodiversity
 - ✓ mitigate the impact of climate change and ocean acidification
 - ✓ ensure food security and food safety

Overarching objective: A sustainable European system of systems by 2025

- Building on, complementing, and integrating regional sea basins observation systems
 - Atlantic, North Sea, Baltic, Mediterranean, Black Sea
- Contributing to global ocean observation systems
- Fit for purpose (not anything and everything), and enabling multiple use of observation data
 - ✓ sustainable management and protection of ecosystems
 - ✓ forecasting of climate changes, weather and ocean conditions to protect human activities
 - ✓ Speed up innovation and foster blue economy
 - ✓ Evidence-based policy making

Some impact criteria

Support the implementation of the G7 Future of the Seas and Oceans initiative, the Paris Climate Agreement, the UN Decade of Ocean Science for Sustainable Development, and the needs of the Marine Strategy Framework Directive.

Achieve at least TRL 6 for ocean observations' systems and tools

Contribute to regularly measure 50% of biological and biogeochemical EOVs, including in the sea below 2000 m

Lay the foundations for and contribute to the sustainable management and protection of marine and coastal ecosystems to avoid significant adverse impacts

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[A] 2019 - Blue Cloud services

Blue Cloud

[B] 2019 - Observations and forecasting

EuroSea

[C] 2020 - Technologies for observations (open)

Strong cooperation expected !!

Convergence, synergies, interoperability

EuroSea to contribute to expand the data provider basis of Blue Cloud

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AtlantOS

OceanObs 19

Vision, steps and role of EuroSEA