



GEO post-2025 strategy and the challenge of interfaces: how to combine visions, needs and perspectives. At the interface between water and ecosystems

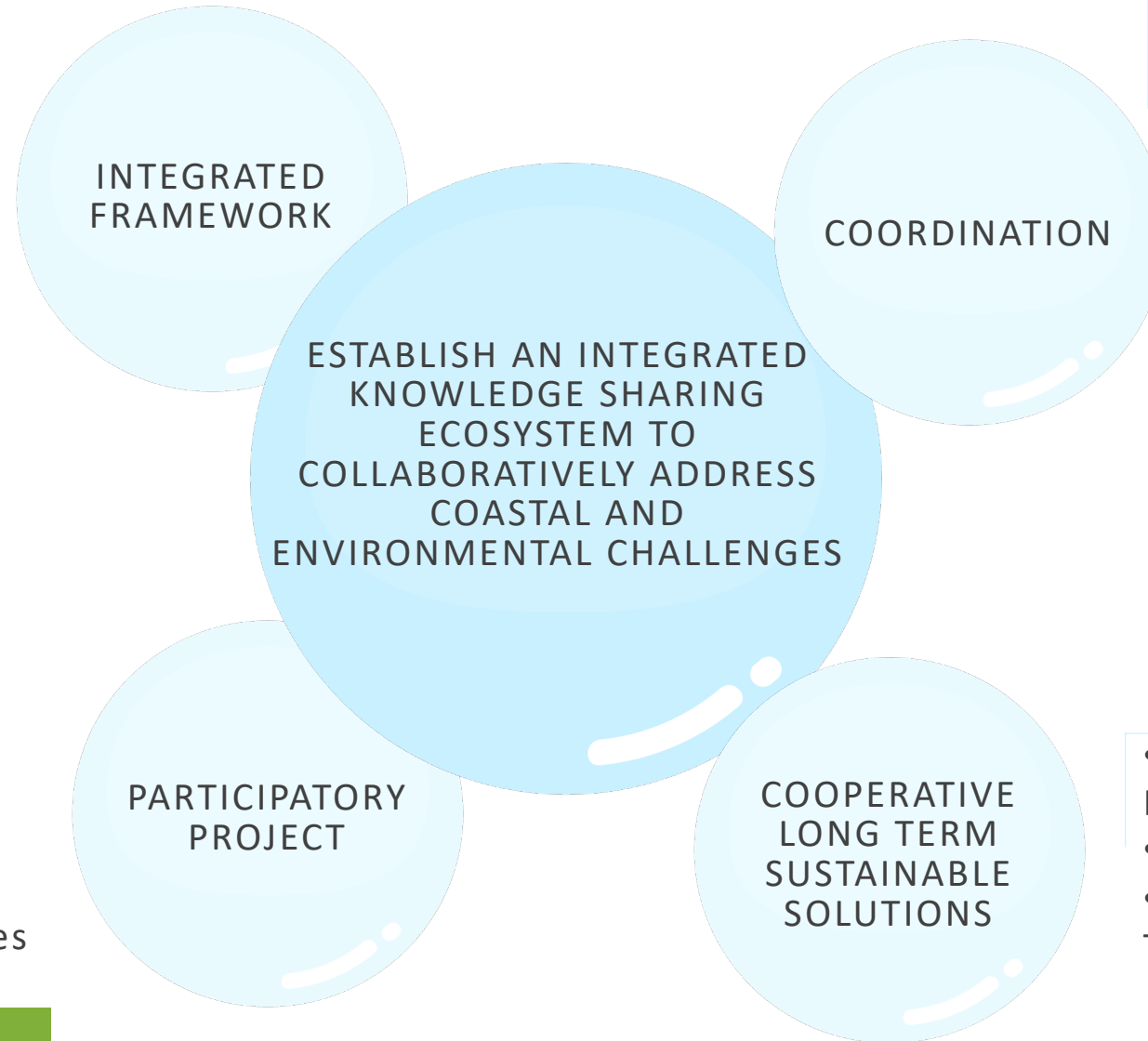
Anna Spinosa

Deltares



At the interface between water and ecosystems: vision, needs, perspective

- Common glossary
- Harmonize architecture
- Expand observation capacity
- Improve modelling and forecast capacity



- Promote collaboration and communication
- Increase synergy
- Reduce duplication
- Reduce fragmentation

- Increase Awareness
- Empower stakeholders and citizens in knowledge generation
- Promote Bottom-up approaches

- Comparable and Interoperable data
- Tools and data sharing
- Open-source Digital Twins



Land-Sea interface: Let's observe together!

Reducing gaps in environmental observations at the Land-Sea interface to predict system behavior and inform science-based management and policy response



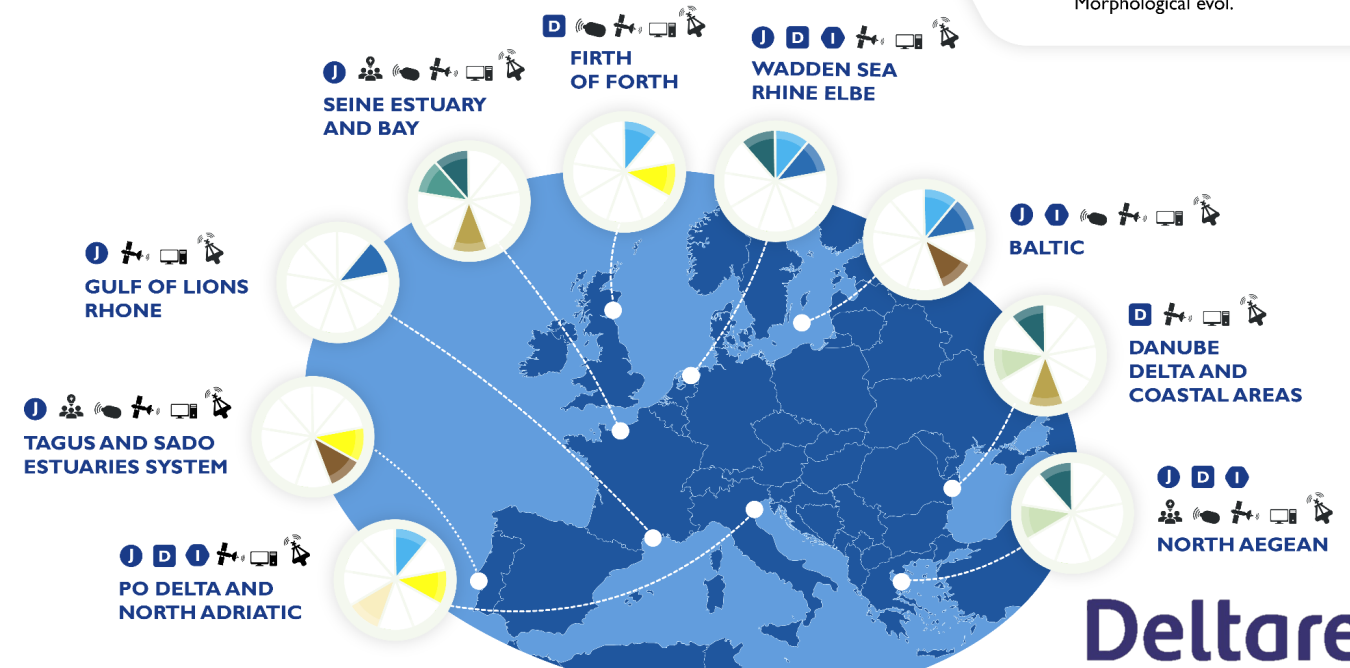
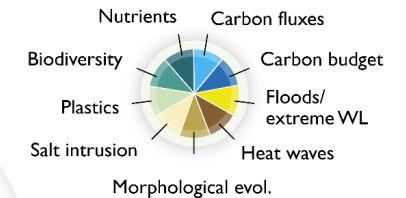
Three main categories of environmental and societal challenges:

- Assessing lateral carbon fluxes and marine carbon stocks.
- Prediction of and adaptation to threats under climate change.
- Support to preserve biodiversity and decrease pollution and its impact on ecosystems.

INTEGRATION LABS

LEGEND

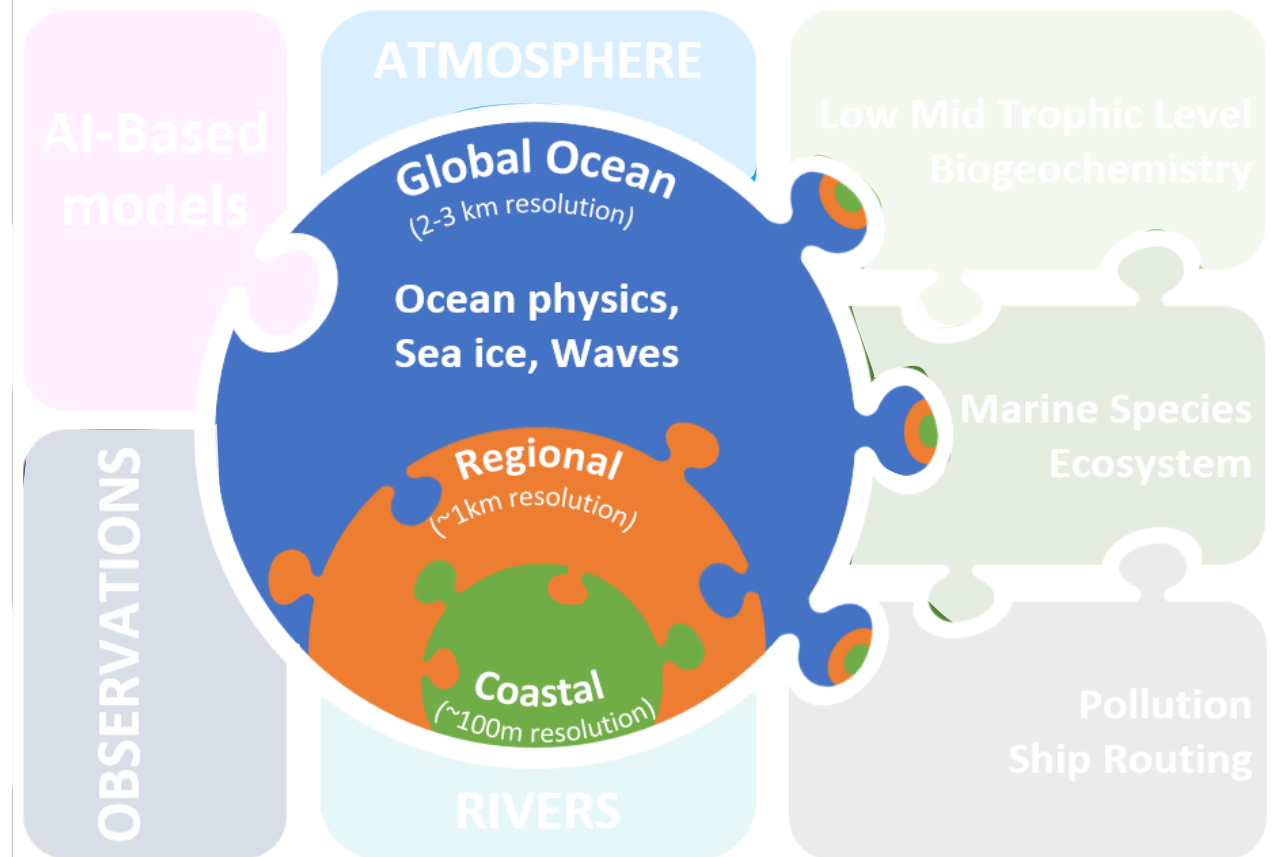
- J JERICO-RI
- D DANUBIUS-RI
- I ICOS-ERIC
- 👤 Citizen science
- 📡 Low-cost sensors
- 🛰️ Earth observation
- 🖥️ Numerical modelling
- 🔬 In situ observation





A collaborative and user driven initiative, EDITO-Model Lab will deliver a Virtual Ocean Model Lab, an interactive and co-development environment to operate models, including:

- Develop the next generation of ocean numerical models
- Provide access to focus application and simulation of what if scenarios.



EUROGEO WORKSHOP 2023



For more information:



anna.spinosa@deltares.nl



[linkedin.com/AnnaSpinosa](https://www.linkedin.com/AnnaSpinosa)

Thanks for your attention

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