

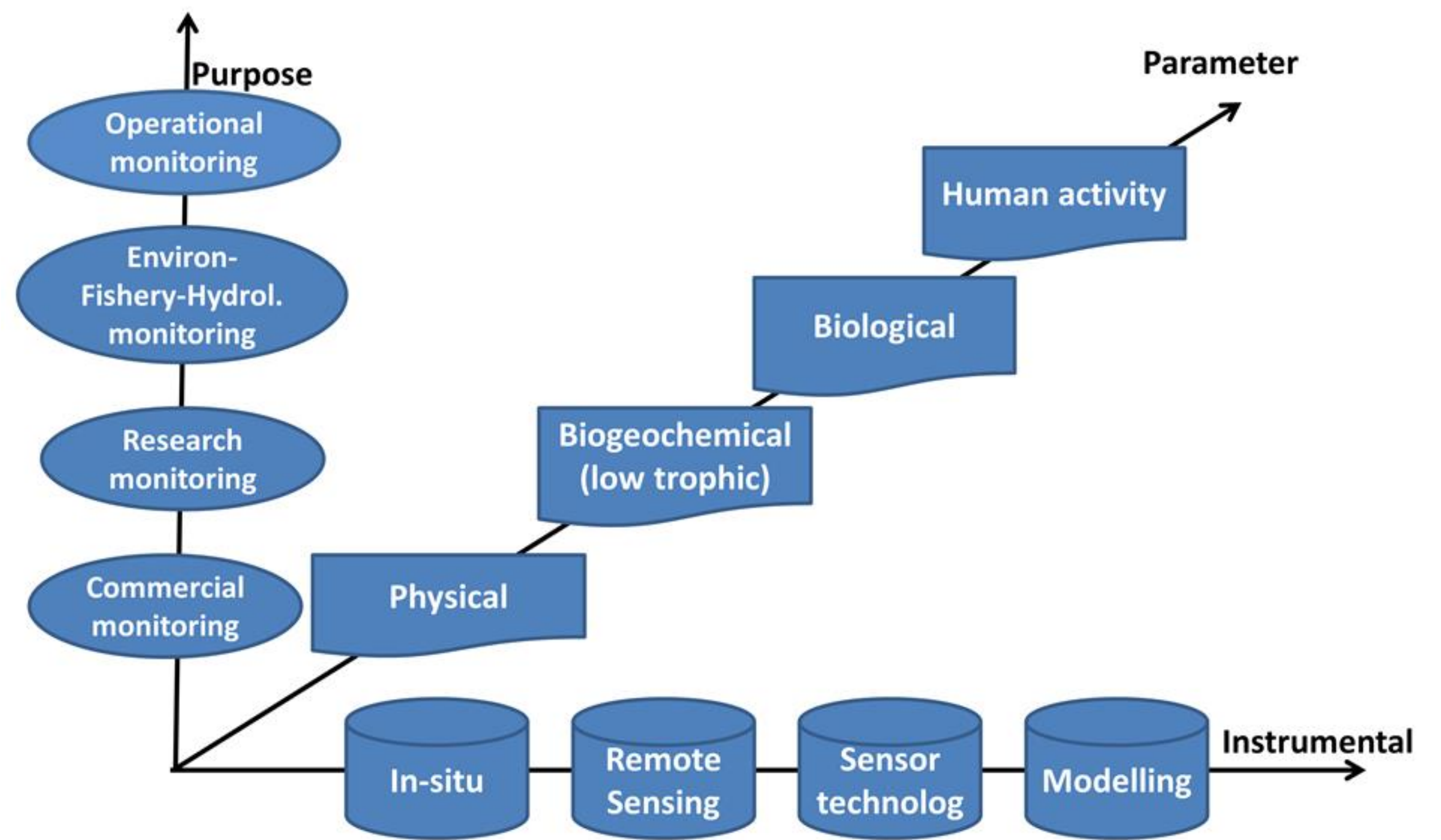
Integrated Coastal and Biological Observations

A recipe

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Based on She *et al.* (2019)

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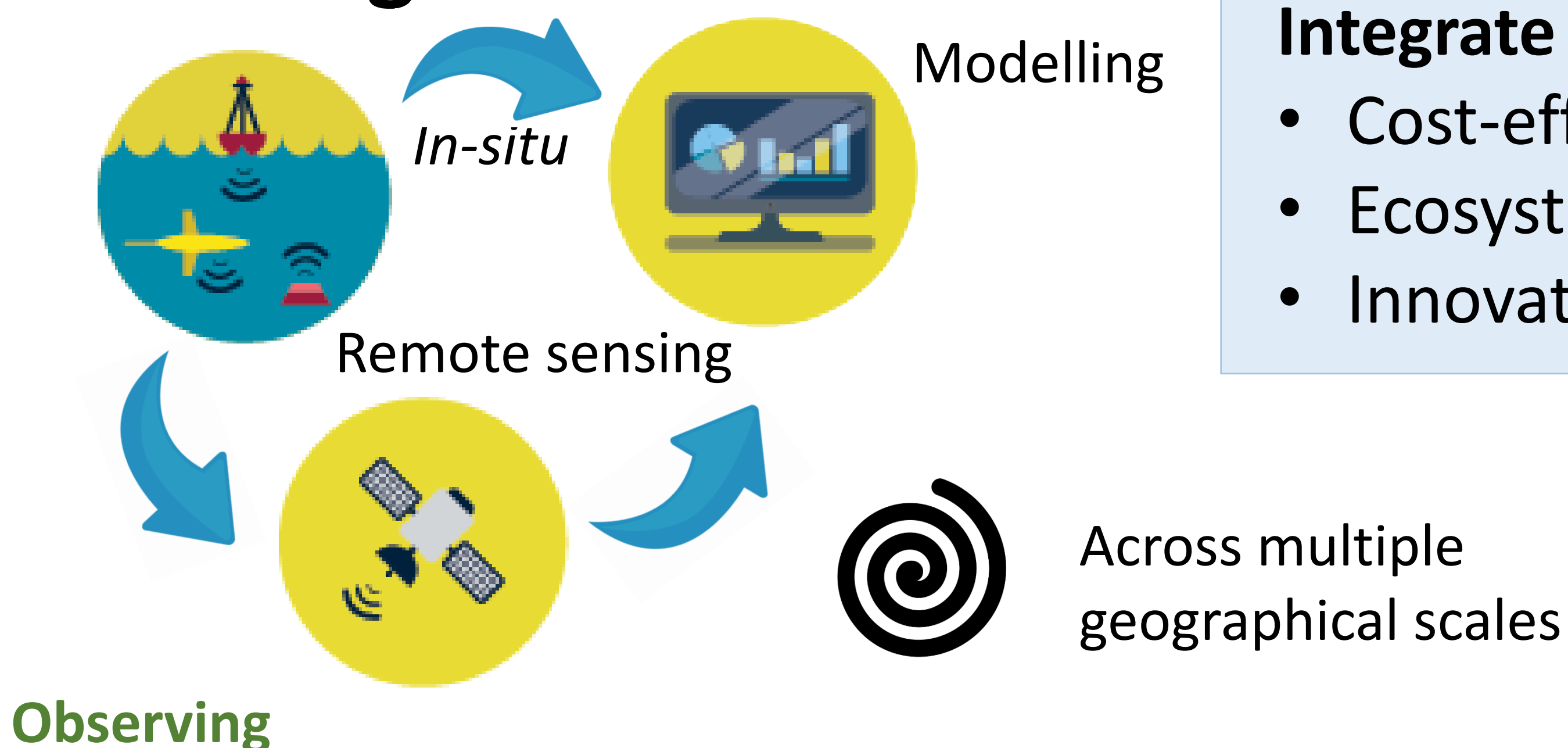
Summary figure: Integrated observing – unlocking the value of ocean observing by integrating observations in three dimensions: fit-for-purpose, parameter, and instrumental.

Ingredients

- Willingness to collaborate and implement.
- Willingness to overcome institutional barriers in different monitoring sectors, data management and research communities.
- Integrate current and upcoming coastal ocean observation efforts for operational ecology.

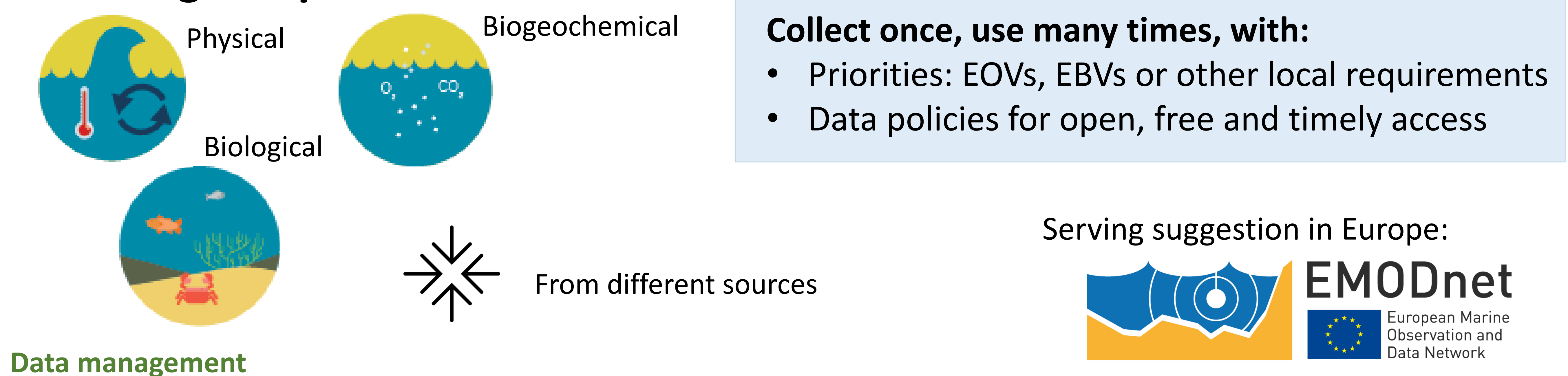
Marine data value chain

1. Integrate instruments



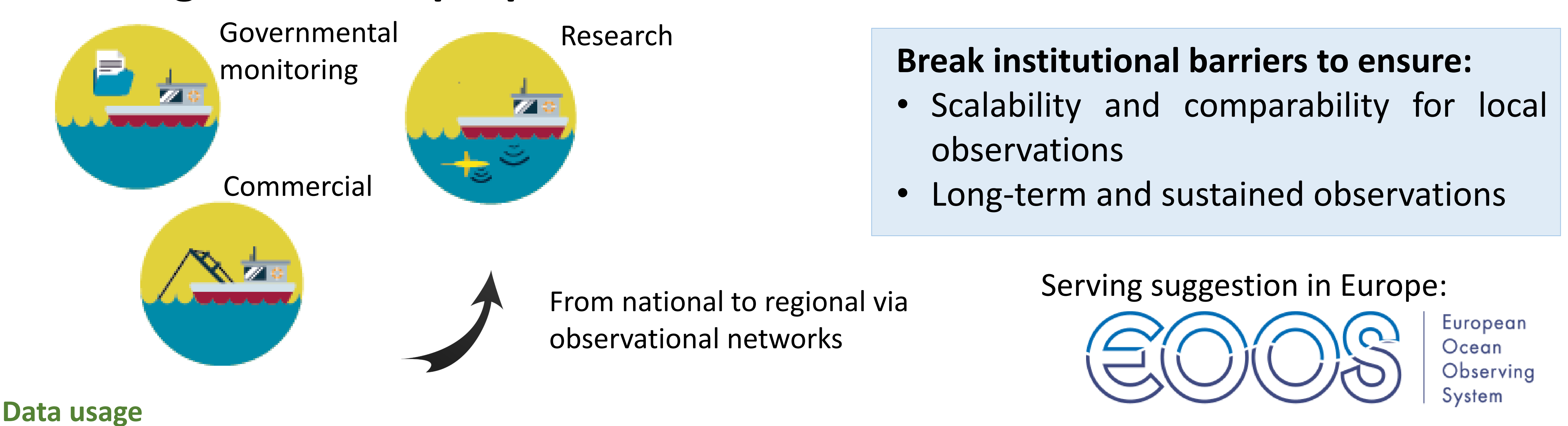
Observing

2. Integrate parameters



Data management

3. Integrate fit-for-purpose observations



Data usage

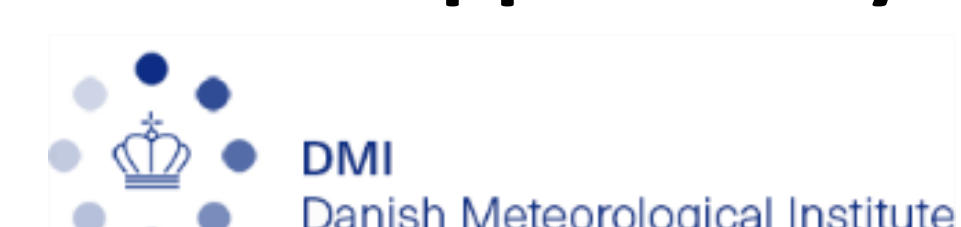
Reference

She J, Muñiz Piniella Á, Benedetti-Cecchi L, Boehme L, Boero F, Christensen A, Crowe T, Darecki M, Nogueira E, Gremare A, Hernandez F, Kouts T, Kromkamp J, Petihakis G, Sousa Pinto I, Reissmann JH, Tuomi L and Zingone A (2019) *An Integrated Approach to Coastal and Biological Observations*. *Front. Mar. Sci.* 6:314. doi: 10.3389/fmars.2019.00314

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