









PHYTOBS

French National Service of Observation program for Phytoplankton in coastal waters

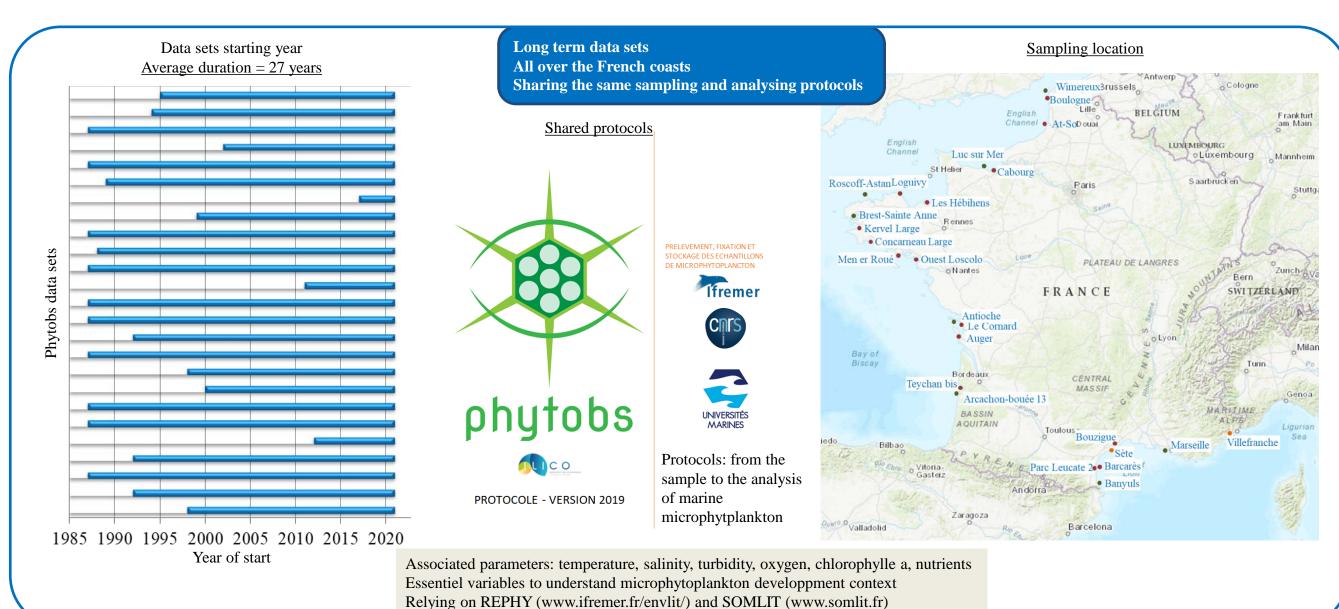
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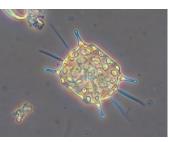
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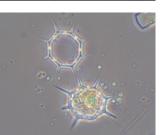
PHYTOBS is part of the French national federative Research Infrastructure for coastal ocean and seashore observations ILICO. PHYTOBS is a French national network of microphytoplankton monitoring deployed around French coasts in many sites and supported by Ifremer, CNRS and Marine Universities.

Keywords: Observation infrastructure, Coastal observatory, phytoplankton, Environmental time series, FAIR data, ILICO



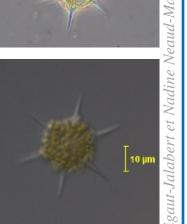








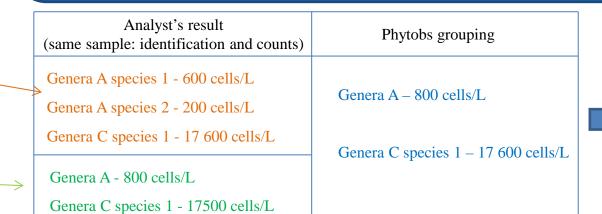








- → Proceed to grouping taxa regarding the best shared level within the analysts community
- → Database has both results: the analyst's result AND the grouping result
- → The table of references is updated every year, involving the analysts community



Phytobs grouping table of reference (=dictionary) Taxon Labellisé APHIAID GROUP raw 231778 Metaphal acroma Phalacroma 109466 GENUS

Exemple of grouping in Phytobs database

Palae ophal acroma

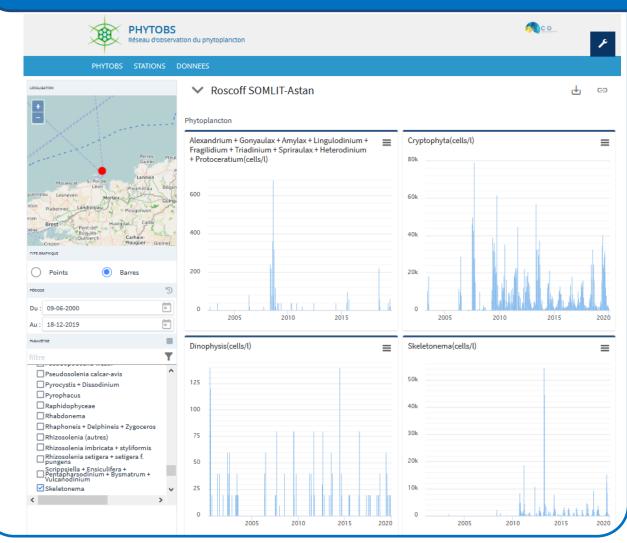
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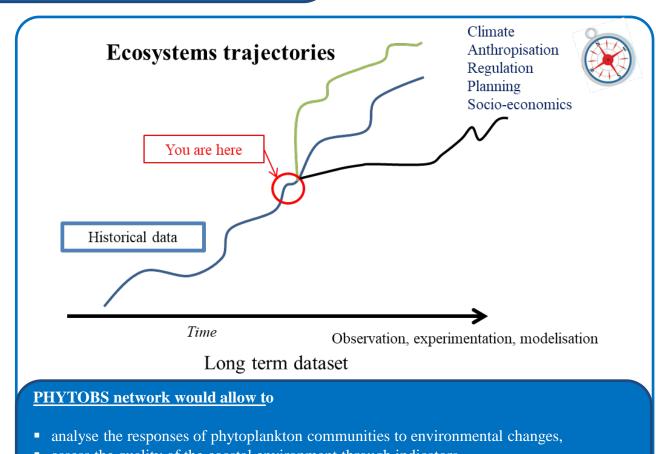
Web portal for data access: www.phytobs.fr

Analysis

- Phytobs dataset will be available on a web portal. It will include data from the 25 sites since the monitoring started.
- Results will be available and downloadable either with grouping and/or with analyst's result.
- Associated parameters will be available on the portal and dowloadable on demand, according to the origin of these records (REPHY or SOMLIT)

Exemple of grouping results from 2 analysis of the same sample





- assess the quality of the coastal environment through indicators,
- define ecological niches,
- detect variations in bloom phenology,
- support any scientific question by providing data since 1987 for the longest dataset







REFERENCE













Cocquempot L., Delacourt C., Paillet J., Riou P., Aucan J., Castelle B., Charria G., Claudet J., Conan P., Coppola L., Hocdé R., Planes S., Raimbault P., Savoye N., Testut L., Vuillemin R. (2019).











