







## CEPHALOPOD: a standardized and flexible framework for marine habitat modelling across data types and sources

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## Abstract

Here, we introduce the Cloud-based Ensemble Pipeline for Habitat modelling Across Large-scale Ocean Plankton Observation Datasets (CEPHALOPOD). Through two example of applications, we illustrate the framework ability to extrapolate plankton distributions in space and time based on traditional net observations or omics datasets. CEPHALOPOD addresses to a broad spectrum of stakeholders, including researchers, policymakers, conservationists, and educational institutions.



















