

COPERNICUS MARINE 8th GENERAL ASSEMBLY

International landscape

Enrique Alvarez Fanjul

Marie Drevillon













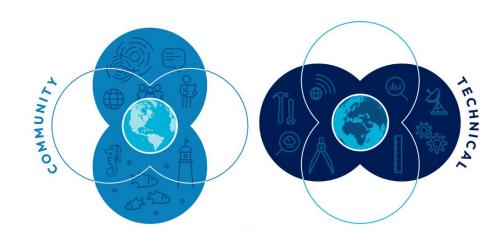
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What is OceanPrediction DCC?

Vision: A predicted ocean based on a shared and coordinated global effort in the framework of the UN Ocean Decade.

Mission: To galvanize and coordinate efforts towards the co-development and integration of worldwide ocean prediction activities, serving Decade objectives and in close collaboration with the Decade endorsed actions and other stakeholders.





OceanPrediction DCC in the framework of the Decade

GOVERNANCE & COORDINATION FRAMEWORK

PRIMARY ENDORSED PROGRAMMES



The ocean forecasting we need

- OceanPrediction DCC is promoting collaboration towards the ocean forecasting we need.
- A virtuous loop implemented by our community
- OceanPrediction DCC is building the assets to make it possible













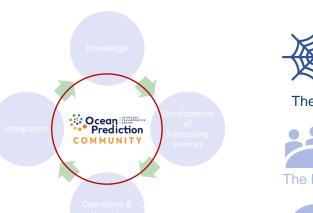




OceanPrediction community: 9 regional teams **IH** cantabria CSIC Danmarks 🙈 EuroGOOS Environment and OGS OceanPrediction (1) SINTEF HIDROMOD **OceanPrediction** KIOST **OceanPrediction** Fisheries and Oceans **OceanPrediction** cmcc **WEST PACIFIC &** ATLANTIC CICESE MARGINAL SEAS OF **SOUTHEAST ASIA UFRJ OceanPrediction** Autoridad Nacional para **OceanPrediction** MonGOOS IGP Services **INCOIS OceanPrediction** Pacific Communauté du Pacifique CIÊNCIA, TECNOLOGIA KAUST **ENEN** ЦG PO UNIT **UAIg** CIMA **OceanPrediction** Dimar **■ LIÈGE** forestry, fisheries & the environment noLogic

Building a community with our Regional Teams



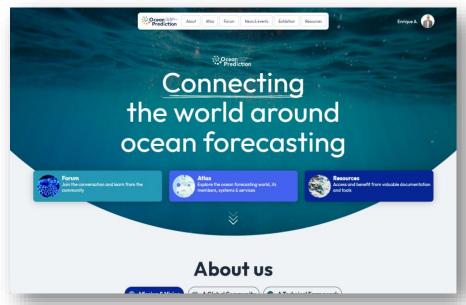








https://www.unoceanprediction.org/en





Building a community with our Regional Teams



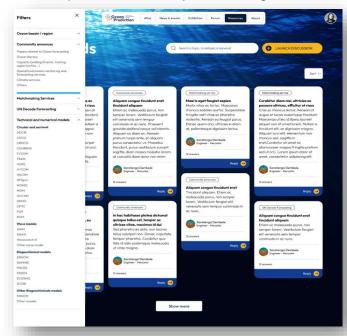








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Building a community with our Regional Teams



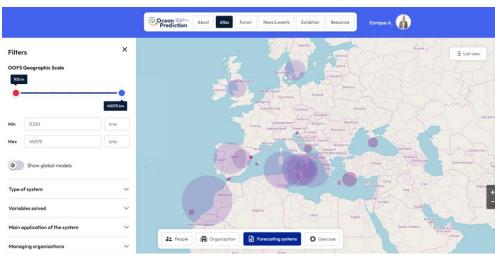








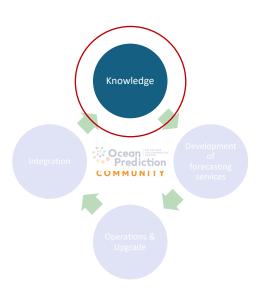
https://www.unoceanprediction.org/en





Building our shared knowledge







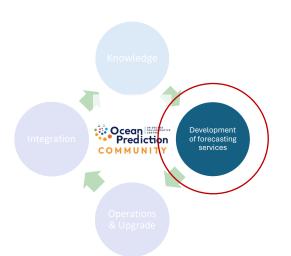
https://www.unoceanprediction.org/en/resources/etoofs-guide



- A community compilation of our shared knowledge
 - Now available on wiki format

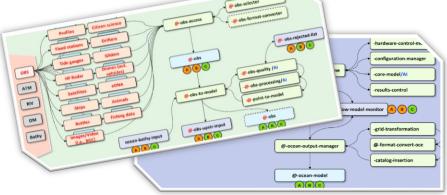


Building robust Ocean forecasting services









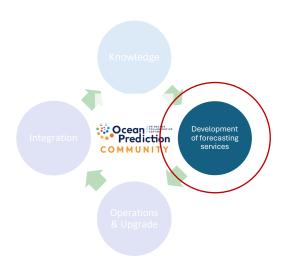
- A community product to be delivered soon by OceanPrediction DCC
- A practical Guide on how to "wire" a Forecasting System
- A definition of the tools and data standards to be developed during the Decade



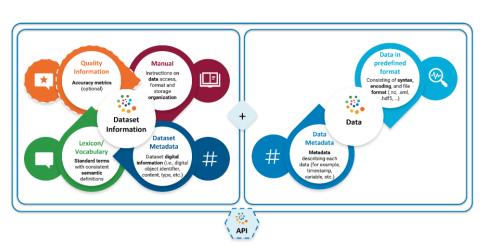
Building robust Ocean forecasting services











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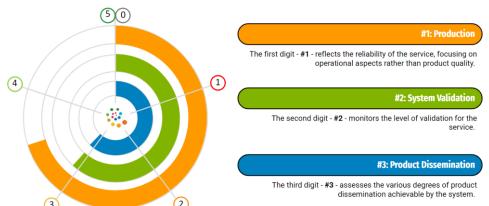
Operating and improving Ocean forecasting services





Operational
Readiness Level
Guide

https://www.unoceanprediction.org/en/resources/orl



- A mechanism to introduce best practices
- A way to promote the evolution of the ocean forecasting
- A mechanism to endorse services to join common frameworks

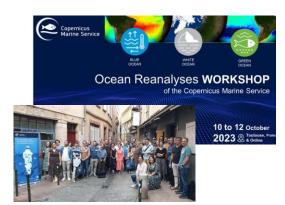






Ocean reanalyses International intercomparison exercise

Step 1: 2023 Workshop + summary published in BAMS Gathering users and developers to shape together the next-generation ocean reanalyses: Ocean reanalyses workshop of the European Copernicus Marine Service https://doi.org/10.1175/BAMS-D-24-0034.1



Step 2 : 2024 terms of reference of the intercomparison exercise are defined Participants, list of diagnostics/metrics
Usage of marine data store and EDITO developments
Connection with international producers at ICR6 (Tokyo) and OP'24 (Paris)

Step 3: 2025 kick off intercomparison exercise



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June-September 2024:

exchanges (online) between

copernicus Marine producers

to revise the list of metrics for

intercomparison

Step 3: 2025 kick off intercomparison exercise



OceanPredict Symposium OP'24 Paris UNESCO



Co-sponsored by Copernicus Marine

- Copernicus marine service producers meet the international ocean prediction community
- Exchanges on modeling, data assimilation, machine learning forecasting, services, use cases....
- Visibility of Copernicus marine service activities in the UN decade of Ocean Science and Sustainable Development



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Conclusions

- OceanPrediction DCC works in close collaboration with Decade partners to promote Ocean Forecasting and its applications
- A community is organized around the Regional Teams
- The first results of this effort are visible: Architecture, ORL, Atlas, Forum... more to come
- Ocean reanalysis producers are gathering around a new intercomparison exercise

Register at https://www.unoceanprediction.org/en

Contribute to OceanPredict Symposium OP'24

