



Ideas on ETOOFS future evolution

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ETOOFS FOCUS

At a high level ETOOFS looks at:

1. Documenting understanding of Ocean Forecast/Prediction Systems
 2. Leverage the above (1) to enable emerging groups/countries in Ocean Prediction
 3. Leverage the above (1) to increase literacy and capacity in Ocean Prediction
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Next steps

- Focus for 2021 will be on:
 - Finishing the guide
 - Build a community of emerging players in numerical modeling (based on Workshop experience)
 - Definition of a long-term strategy, including connection with Oceanpredict, Geo Blue Planet and UN Ocean decade



2021-2025 activities

- During 2021, the 2022-2025 activities for supporting the action plans of the different GOOS components will be defined.

Some *examples* are:

- Partnership for delivery / *Connection with Oceanpredict*
- Advocate for GOOS / *Communication activities*
- Assess GOOS system impact/ *Metrics (connection with IV-TT)*
- Boost GOOS uptake / *ETOOFS community (from workshop)*
- Contribute to FAIR data / *Definition of standards*
- Develop capacity / *Workshops, ETOOFS community activity*

2021-2025
activities

Possible strong idea covering many of the previous: The ETOOFS “quality label” for OOFs

- Starting with the guide, develop a family of ETOOFS “*quality stamps*” could be delivered to promote best practices when implementing and operating an OOFs
 - To be influential, this process must consider the different ambitions and capacities of all players (“Emerging” vs. “Consolidated”)
 - It must be prepared in coordination with top scientists (OceanPredict)
 - ETOOFS could play an active role for some key activities, like preparing a cloud environment for OOFs validation. This could link with ideas and suggestions by OceanPredict (Intercomparison and Validation TT).

2021-2025 activities

Other within Ocean Decade ETOOFS / OceanPredict thinking

- ETOOFS is focused on:
 - structuring and consolidating ocean prediction knowledge to enable emerging players/countries to engage on Ocean Prediction
- OceanPredict is focused on:
 - The Science underpinning Ocean Prediction
 - Increasing impact of Ocean Prediction:
 - co design overall framework for OO to sustain overall operational delivery and consumption
- Joint Possibilities:
 - Co-build with other groups overall ocean prediction framework
 - What's in /out of scope
 - How we collaborate
 - Define overall set of standards / best practices lists needed to support framework
 - How can Decade Programs collaborate (including ForeSea, Coast Predict, ObsCoDe...) to strengthen/sustain OO value chain

Proposed
IDEA:
Phased
OP/ETOOFS
approach for
increasing Ocean
Prediction
capacity

Phase 1

Emerging players get knowledge and collaborate with existing prediction systems.

Phase 2

Emerging players leverage, adapt and exploit existing prediction systems for their purposes and applications.

Phase 3

Build capacity for emerging players to build independent ocean prediction systems tailored for their purposes as needed and fills in gaps not provided elsewhere.

