



The Global Ocean Observing System



Session 6b: System implementation and applications

6.3 ETOOFS and wider links

Enrique Alvarez Fanjul

14th GOOS Steering Committee meeting (SC-14) | 19-21 February 2025 | Paris, France

2020: THE OCEAN FORECAST WE HAVE



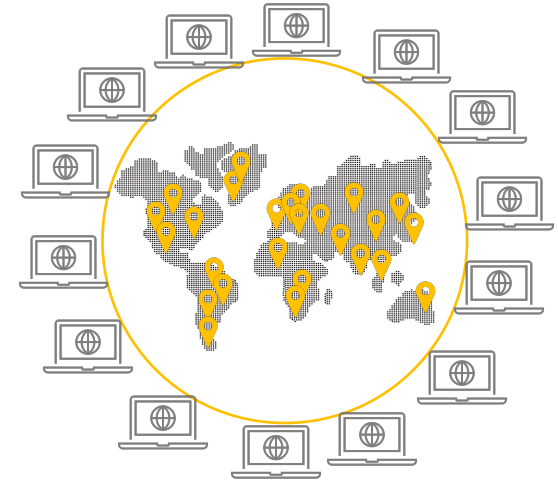
- Useful but partially disconnected services
- Poor presence in developing countries

OceanPrediction DCC VESSEL

Captain: UN Ocean Decade
Chief engineer: Decade actions and DTO
Crew: OceanPrediction DCC community
Navigator: OceanPrediction DCC



2030: THE OCEAN FORECAST WE WANT



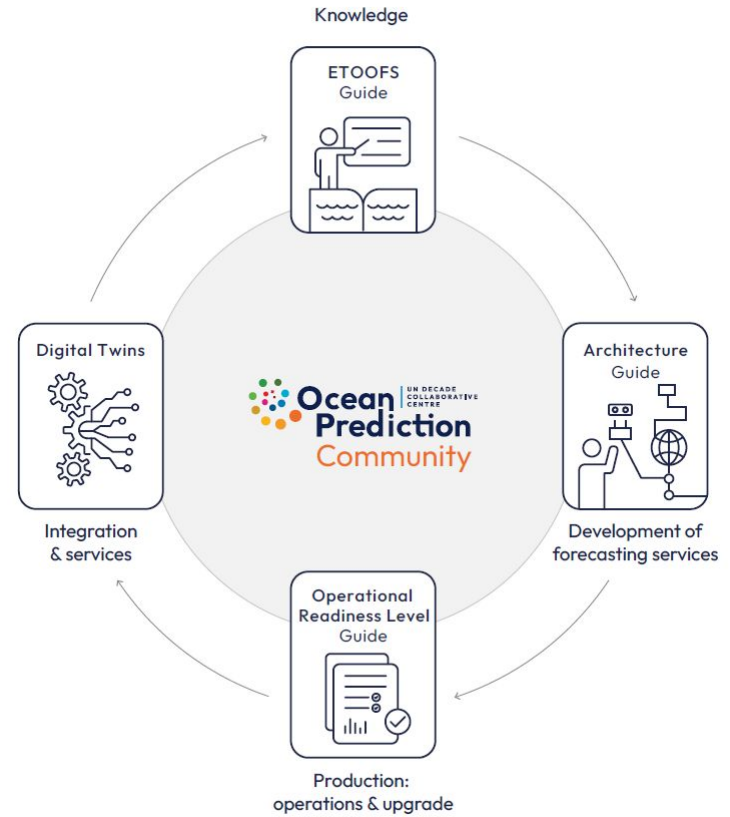
- Connected community and services
- Many robust systems worldwide

The ocean forecasting we need

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



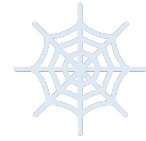
Logos included: Ocean Data Sharing (Decade Coordination Office), Ocean Observing (Ocean Decade Coordination Office), UN environment programme GEMS OCEAN, Ocean Prediction Capacity of the Future ForeSea, Ocean best practices, DITTO (Digital Twins of the Ocean), and CoastPredict (with The Global Ocean Observing System).



4. OceanPrediction community: 9 regional teams



Building a community with our Regional Teams



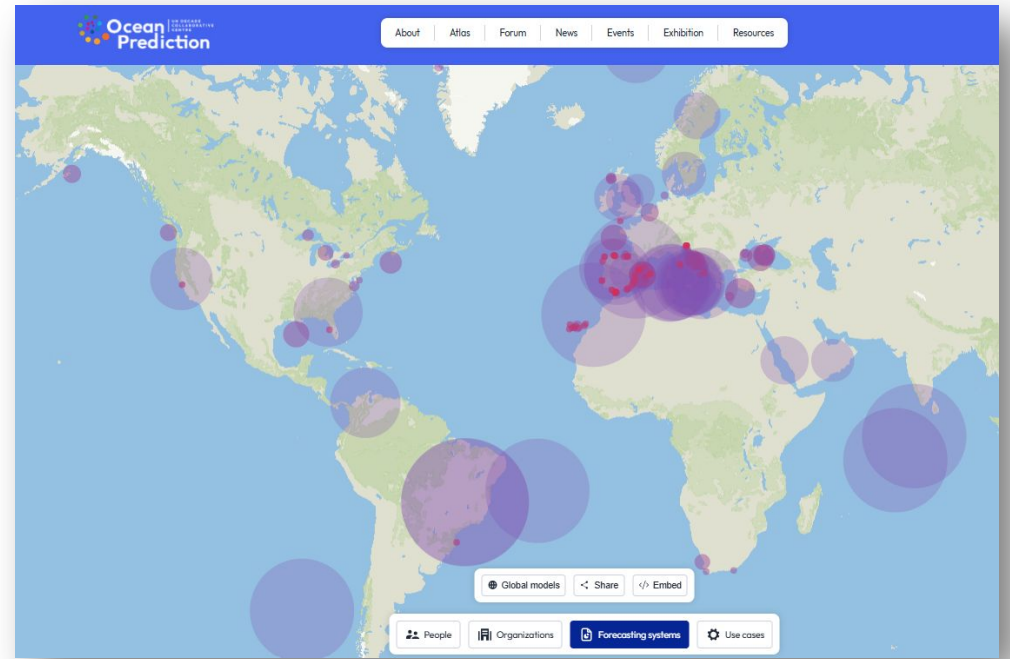
The web



The Forum



The Atlas



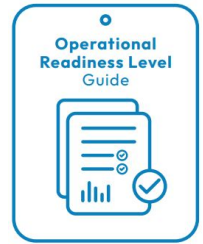
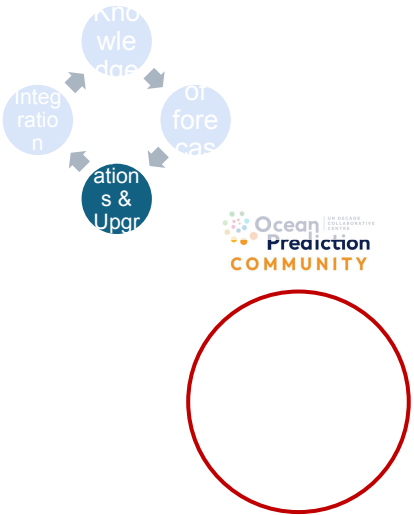
Intergovernmental Oceanographic Commission



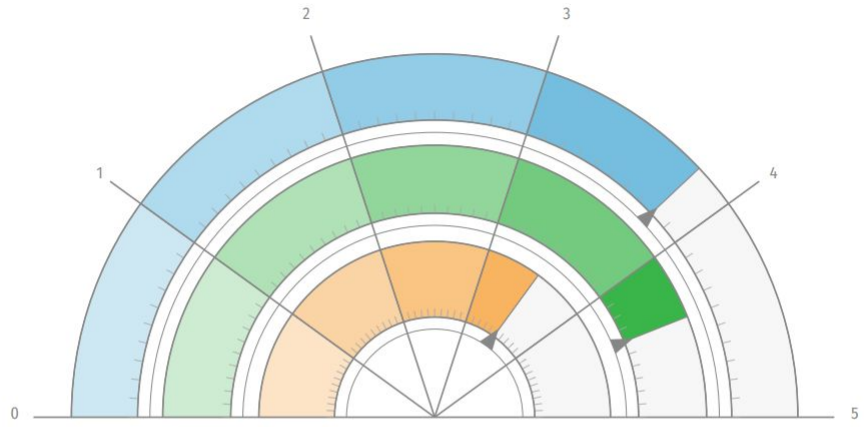
2021-2030 United Nations Decade of Ocean Science for Sustainable Development


Connecting the world around Ocean Prediction: *A vision for the Decade and Beyond*

Operating and improving Ocean forecasting services



- A mechanism to introduce Best Practices
- A way to promote the evolution of Ocean forecasting
- A mechanism to endorse services to join common frameworks



 1. Production The first digit reflects the reliability of the service, focusing on operational aspects rather than product quality.	 2. System Validation The second digit monitors the level of validation for the service.	 3. Product Dissemination The third digit assesses the various degrees of product dissemination achievable by the system.
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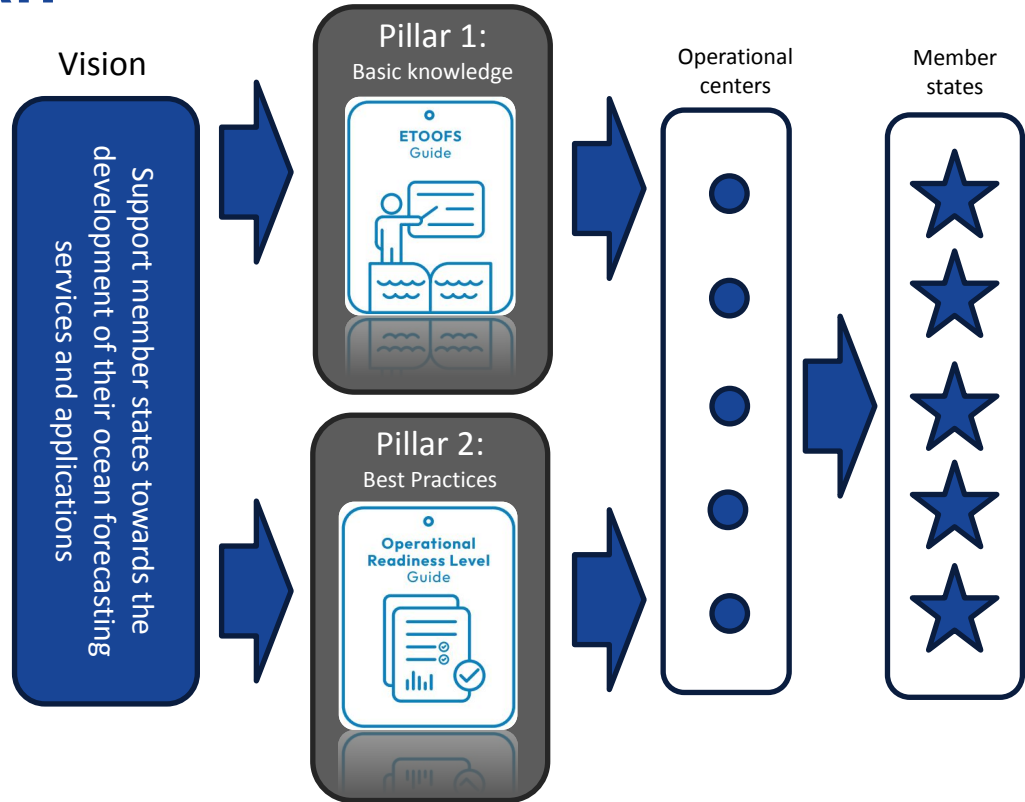
The new ETOOFS

- **To reinforce ETOOFS's role changes are needed following three strategic principles:**
 - **ETOOFS will continue its work on the guide, keeping it as a living document that will incorporate all the developments of the Decade.**
 - **ETOOFS should play an improved key role as an endorsement body for new incoming technical developments.**
 - **Potential role to support cross-cutting coordination between Forecasting community and the other two basic pillars: Observations (GOOS DCO) and data management (IODE DCO)**

Proposed action plan

To achieve this strategic plan, it is suggested to focus on two main strategic and transformational activities:

- Evolution of the ETOOFS guide
- Development of a detailed set of best practices for ocean forecasting
- ORL in action





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Thank you

goosocean.org

