



Pierre BAHUREL
Director General



Introducing OceanPrediction DCC



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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* – 8 April 2024

Welcome!



2024 OCEAN DECADE CONFERENCE

Connecting the world around
Ocean Prediction:

A vision for the Decade and Beyond

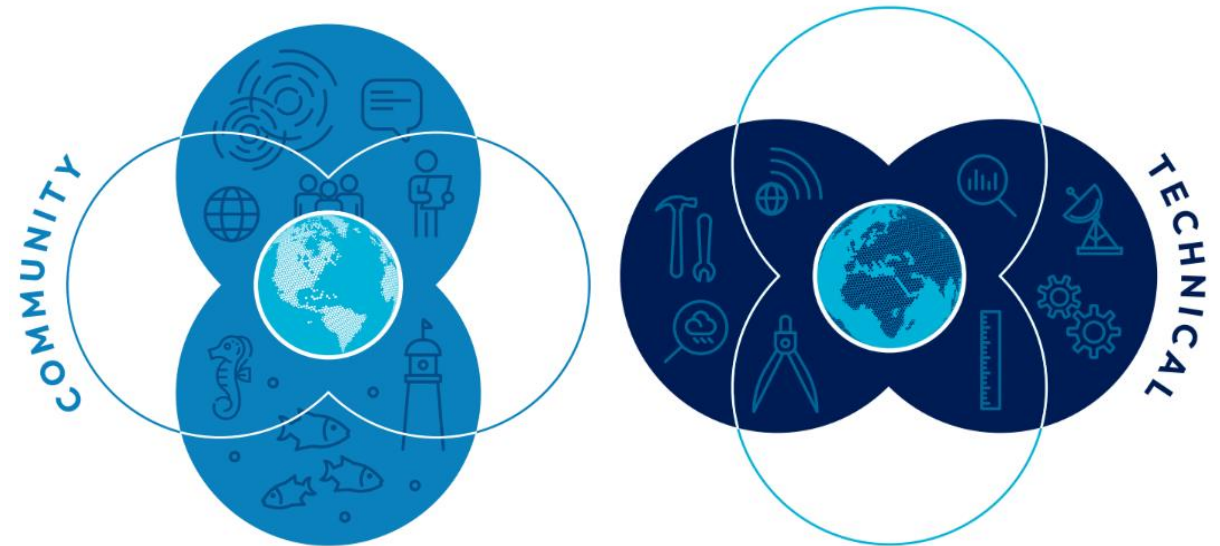
As part of the Ocean Decade Week (8-12 April 2024)

1. 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.

Delivering through two global pillars:



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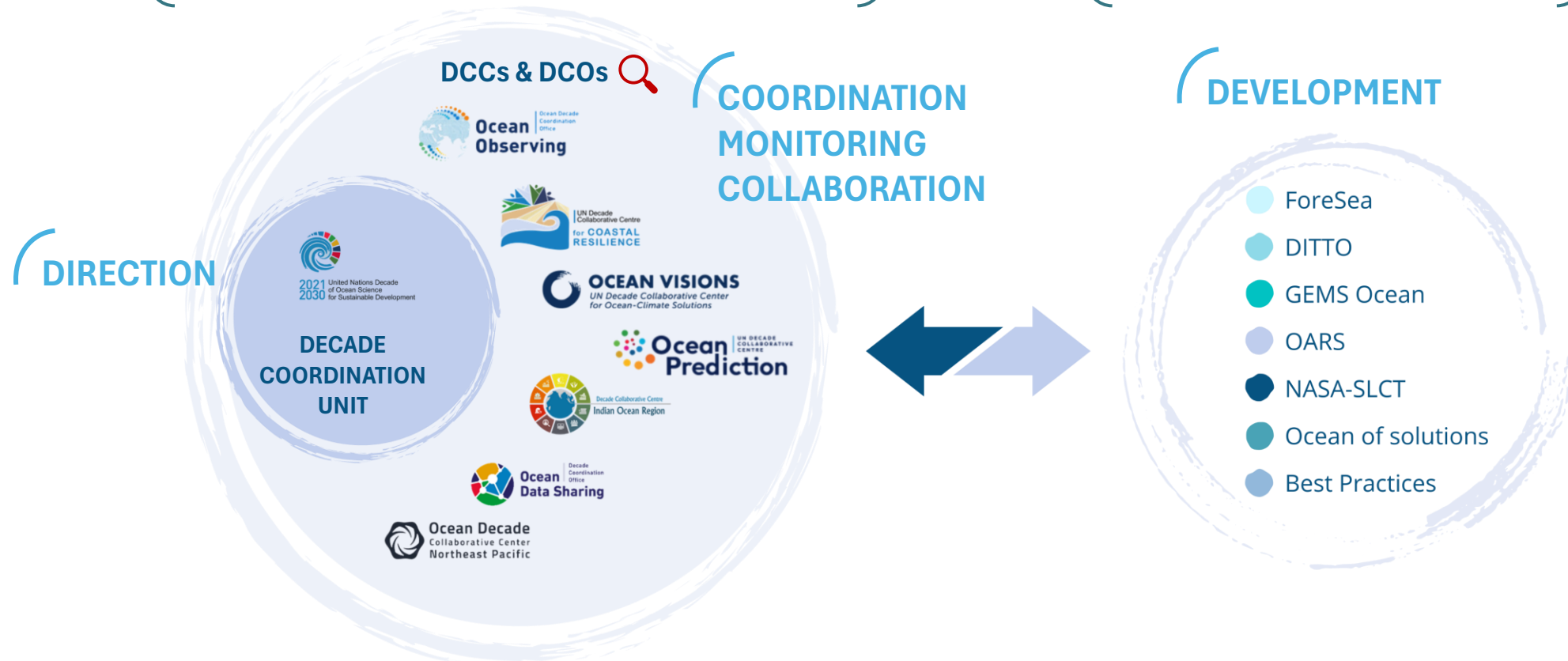


**2021
2030** United Nations Decade
of Ocean Science
for Sustainable Development

2. OceanPrediction DCC in the framework of the Decade

GOVERNANCE & COORDINATION FRAMEWORK

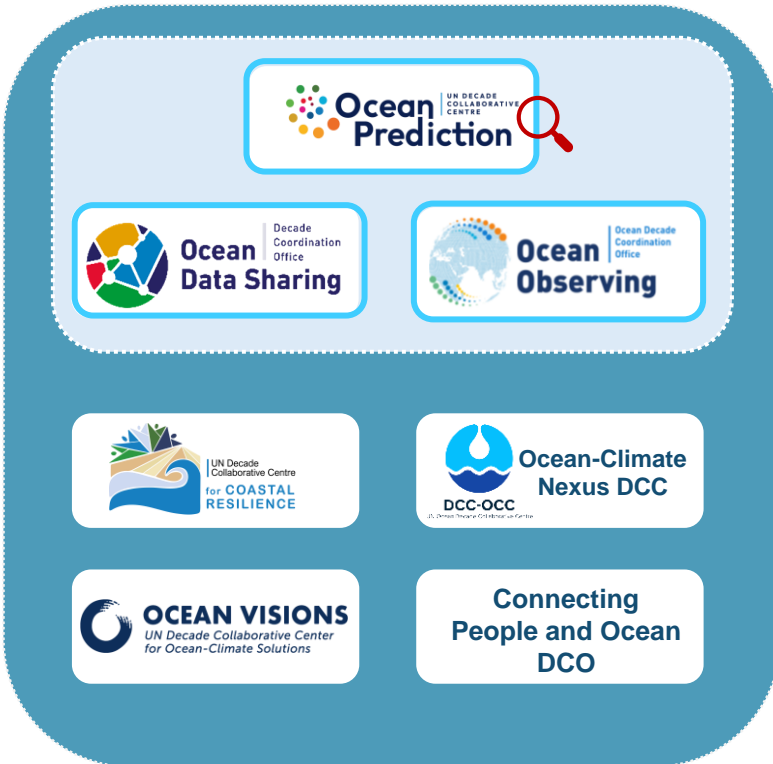
PRIMARY ENDORSED PROGRAMMES










3. A collaborative network of UN Ocean Decade DCCs

THEMATIC DCCs

REGIONAL DCCs





4. OceanPrediction community: 9 regional teams



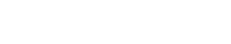








































































































































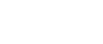










































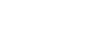

































































































































5. OceanPrediction technical collaboration

40 experts to develop a new scenario for Ocean forecasting:

- Common architecture
- Agreed standards & best-practices
- Operational Readiness Level



THE OCEAN FORECASTING CO-DESIGN TEAM



Science and Technology Facilities Council



6. A unified OceanPrediction community contributing to Digital Twin Oceans

Thanks to the technological and scientific cooperation established, OceanPrediction community will play a foundational role to co-design, distribute and benefit digital ocean services through DTOs.

Particularly, the development of the EU Digital Twin Ocean infrastructure, as part of the Mission Restore our Ocean and Waters, is based on multi-stakeholder approach & aims to:

- Support the emergence and operations of applications, **thematic and local twins**
- Become a **reference infrastructure**, open, inclusive, offering data, tools and services



7. A unified OceanPrediction community benefiting from Digital Twin Oceans

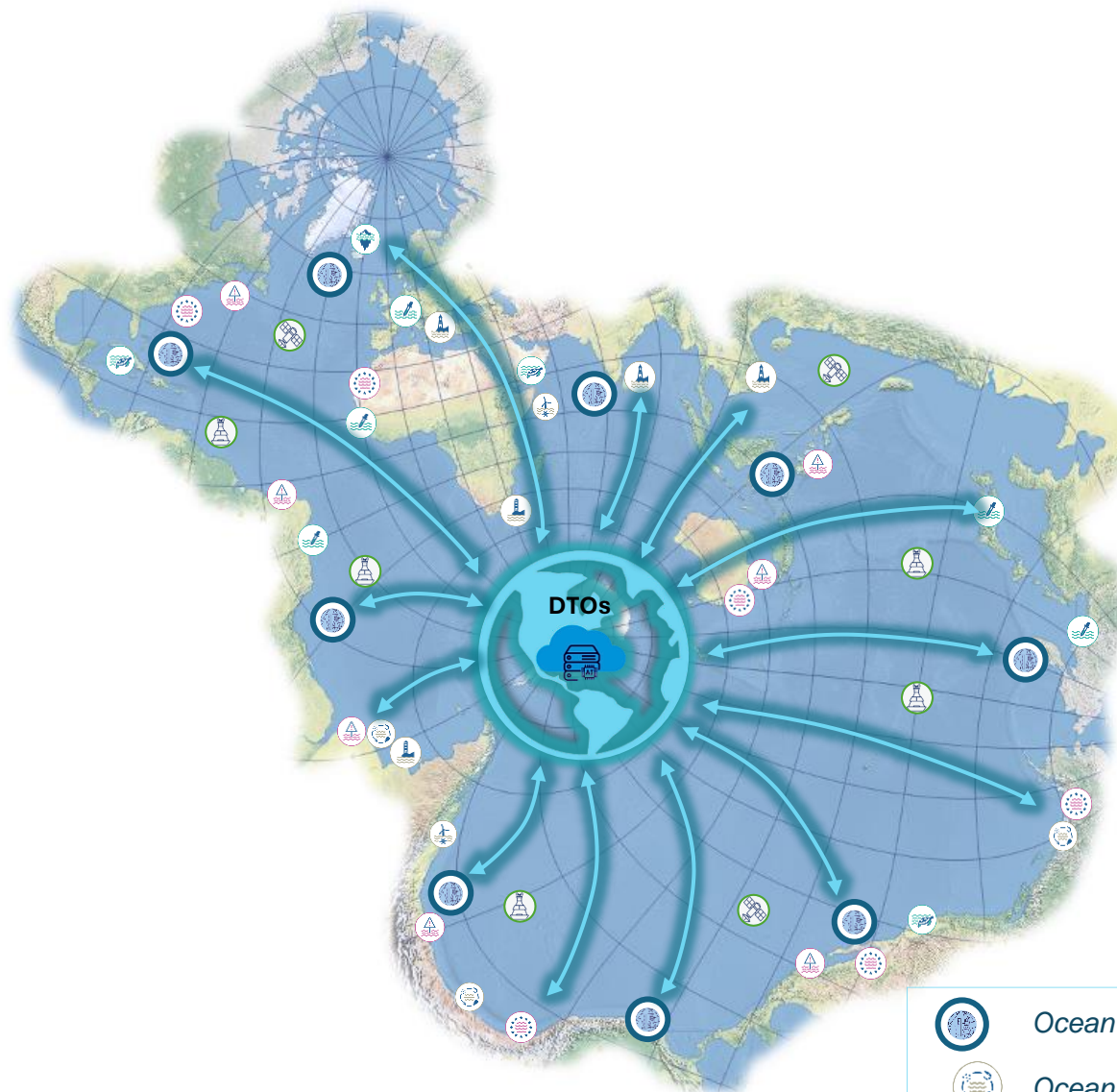
Benefits of DTOs for the OceanPrediction community:

- **Development** of local ocean prediction **services, best practices, and thematic applications**
- **Co-design** of regional and global digital ocean services
- **Support** to **decision making and sustainable action** at all scales
- **Collection** of **user feedback, needs and requirements**



8. The story we share:

- A unified global OceanPrediction **community** inclusive, efficient, proud and rich in diversity
- Coordinating and delivering through robust endorsed UN Ocean Decade **programmes**
- Integrating impactful ocean prediction **services** on Digital Twin Ocean platforms
- Based on established **standards** defined by the OceanPrediction technical team
- In the collaborative framework of UN Ocean Decade, and **beyond**



	Ocean Forecasting Systems
	Ocean Forecasting Applications
	Ocean Observations



2021 United Nations Decade of Ocean Science for Sustainable Development 2030