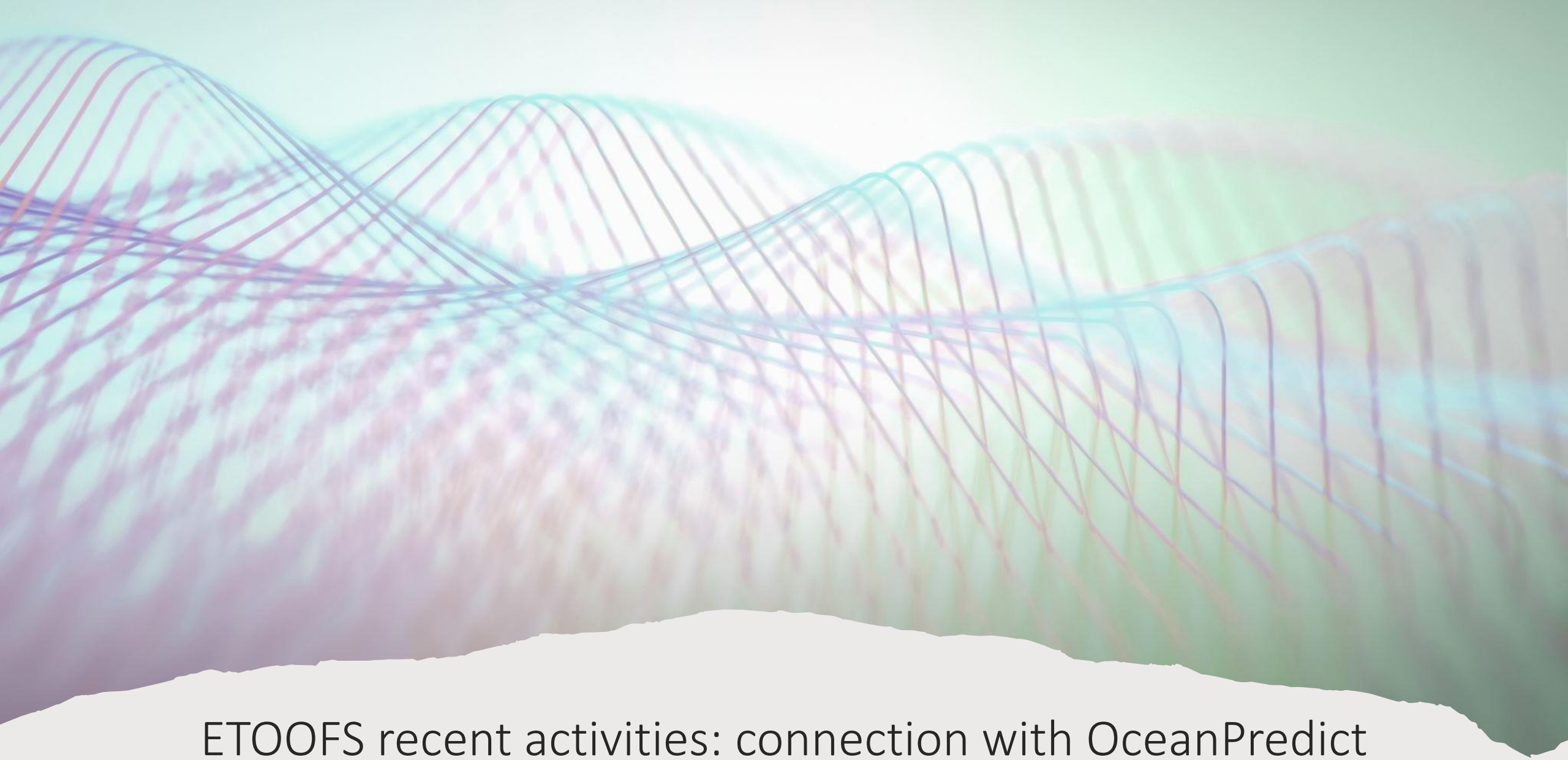
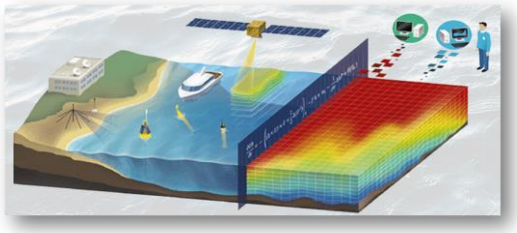


ETOOFS recent activities: connection with OceanPredict

Pierre Bahurel and Enrique Alvarez

The Expert Team on Operational Ocean Forecasting Systems (ETOOFS)

- now a GOOS component -

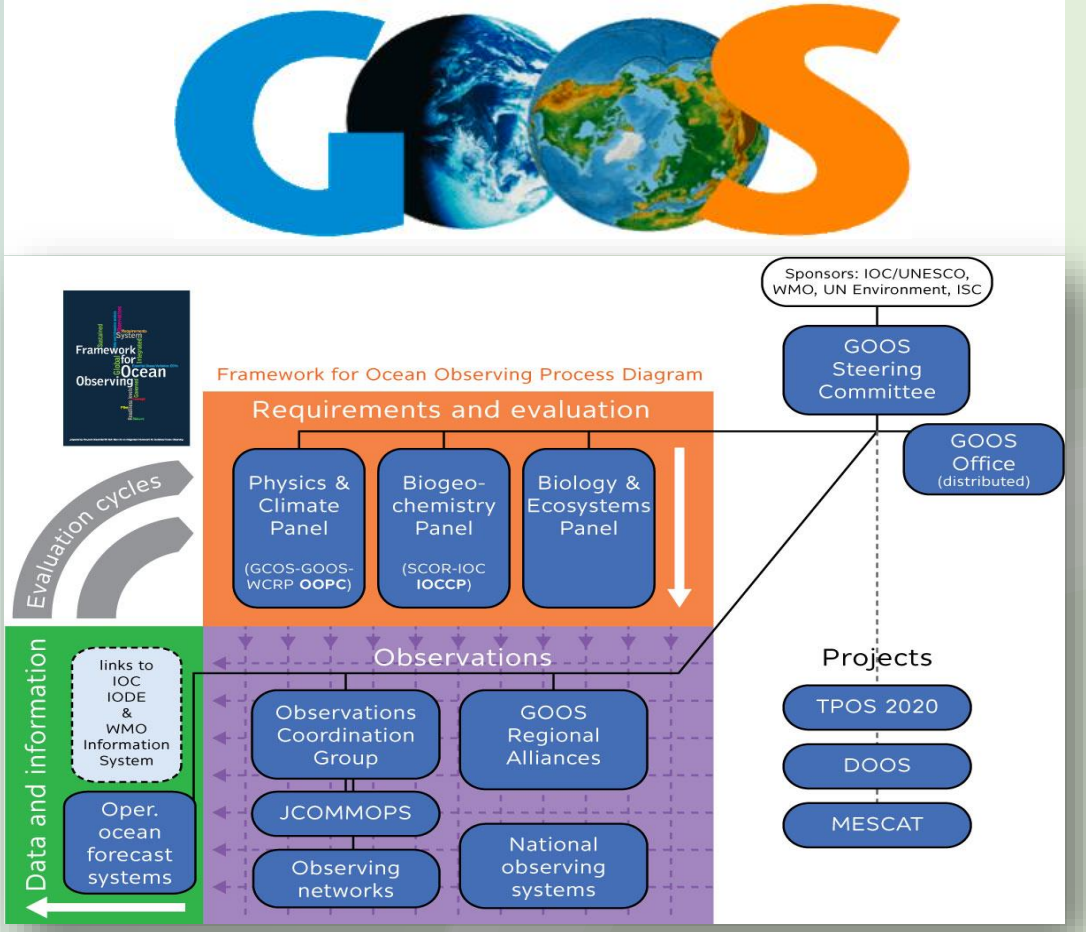


The role of ETOOFS is to create guidance, to improve capacity, quality and interoperability of ocean forecast systems and products.

ETOOFS was invented as a joint expert team for IOC & WMO (JCOMM).

After the dismantling of JCOMM, ETOOFS became a **GOOS component** and is supported by IOC.
GOOS reports to IOC, WMO, UNEP and ISC

☞ *If GOOS is a super infrastructure to monitor the ocean with observations and models, ETOOFS represents the modelling and forecasting capacity.*



The Expert Team on Operational Ocean Forecasting Systems (ETOOFS)

- in transition, more open & goal-driven-

- Pierre BAHUREL, Mercator Ocean, France (Chair)
- Enrique ALVAREZ FANJUL, Puertos del Estado, Spain (Vice-Chair)
- Stefania CILIBERTI, CMCC, Italy
- Shiro ISHIZAKI, JMA, Japan
- Sudheer JOSEPH, INCOIS, India
- Guimei LIU, NMEFC, China
- Avichal MEHRA, NOAA, US
- Aihong ZHONG, BoM, Australia
- Lotfi AOUF, Météo-France, France

with the support of IOC/GOOS

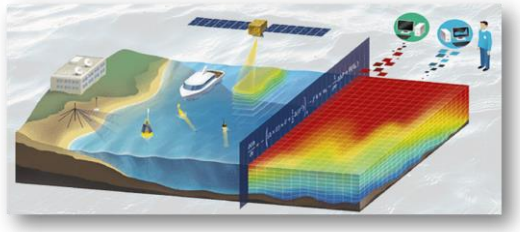
- Albert FISCHER, IOC, GOOS Director
- Denis CHANG SENG, IOC, ETOOFS officer

ETOOFS experts were appointed at the time of JCOMM, following formal procedures of WMO. This core group has organized the integration within GOOS. We adopted a more open participation to adapt the group to our goals and foster our connection with the OOFS community. Coordination with OceanPredict is key.

☞*ETOOFS shall reflect the expertise of our OOFS community, in the IOC/WMO/UNEP/ISC framework*

The Expert Team on Operational Ocean Forecasting Systems (ETOOFS)

- document, promote and support -



The role of ETOOFS is to create guidance, to improve capacity, quality and interoperability of ocean forecast systems and products.

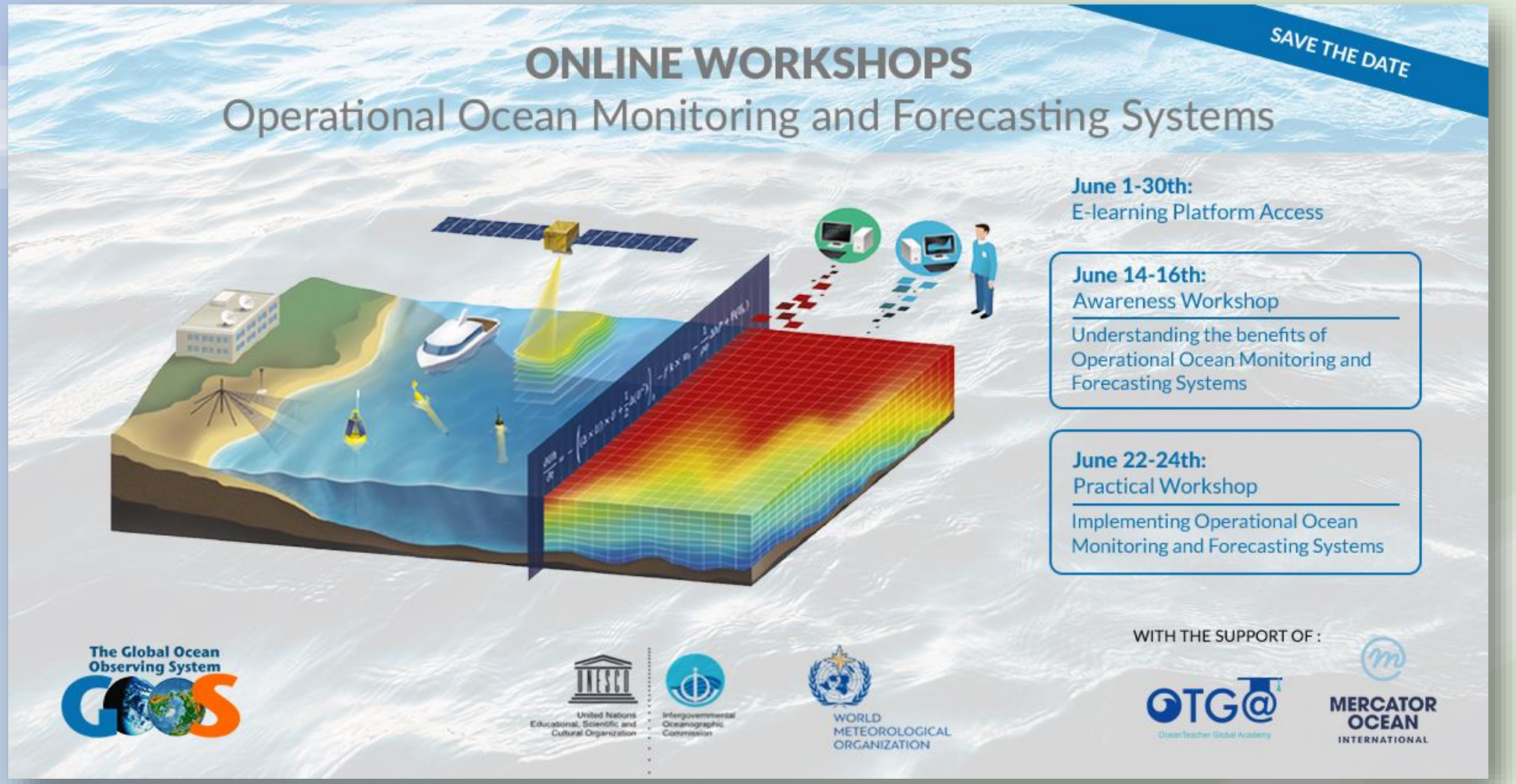
ETOOFS Activities

1. **Manage and maintain guide, scope and requirement documents for countries providing ocean forecasting services.**
2. **Manage and maintain an overview of active** operational ocean forecasting systems.
3. **Manage and promote the adoption of an international standard** to support interoperability and common formatting of ocean forecast products and services.
4. **Guide and initiate actions contributing to improving** operational ocean prediction system efficiency, fidelity and service quality.
5. **Promote and facilitate support** for, and development of, operational and forecasting systems and their adoption in the wider community.
6. **Provide advice** on operational ocean forecasting systems related matters and **prepare submissions on the requirements** of operational ocean forecasting systems operated by countries to other international groups.

Manage and maintain documents and standards, to foster OOFS efficiciency and international integration

Promote and support initiatives, to foster OOFS influence and capacity development

ETOOFS recent activities (1/3): the workshop



ETOOFS recent activities (1/3): the workshop

Widya Ayuningtiyas | 08:07
Hello from Jakarta

Shahram Soleimanpour | 08:07
from Iran

Clousa Maueua | 08:07
Good morning, from Mozambique

Jun-Hyeok Son | 08:07
greetings from Korea!!

Robert Duncan McIntosh | 08:07
Talofa from Samoa

Bhenz Rodriguez | 08:08
Good Day! from the Philippines

Jordan/Buthainah Batarseh | 08:08
Good day all from Jordan

Clousa Maueua | 08:07
Good morning, from Mozambique

Jun-Hyeok Son | 08:07
greetings from Korea!!

Samoa

om the Philippines

l from Jordan

ne from Algeria.

ng from Oman

om Australia

Jennifer Veitch | 08:04
Good morning from Cape Town!

everyone. from Pakistan

from Istanbul

from Fiji island

everyone.

from Mauritius

laysia

n from Jakarta

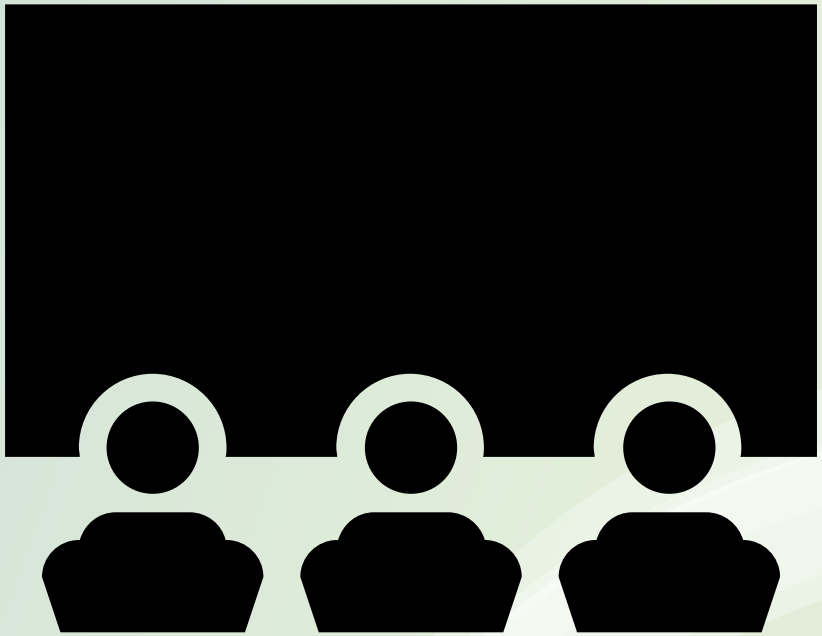
ETOOFS recent activities (2/3): the guide

Audience:

The target of the book is a person with knowledge on Earth science, but with a weak background on ocean forecasting

The level of technical difficulty is mild. This guide will not contain all the knowledge, but it will serve as a Gateway to get it.

The inclusion of relevant references is vital to fulfill this guide mission.



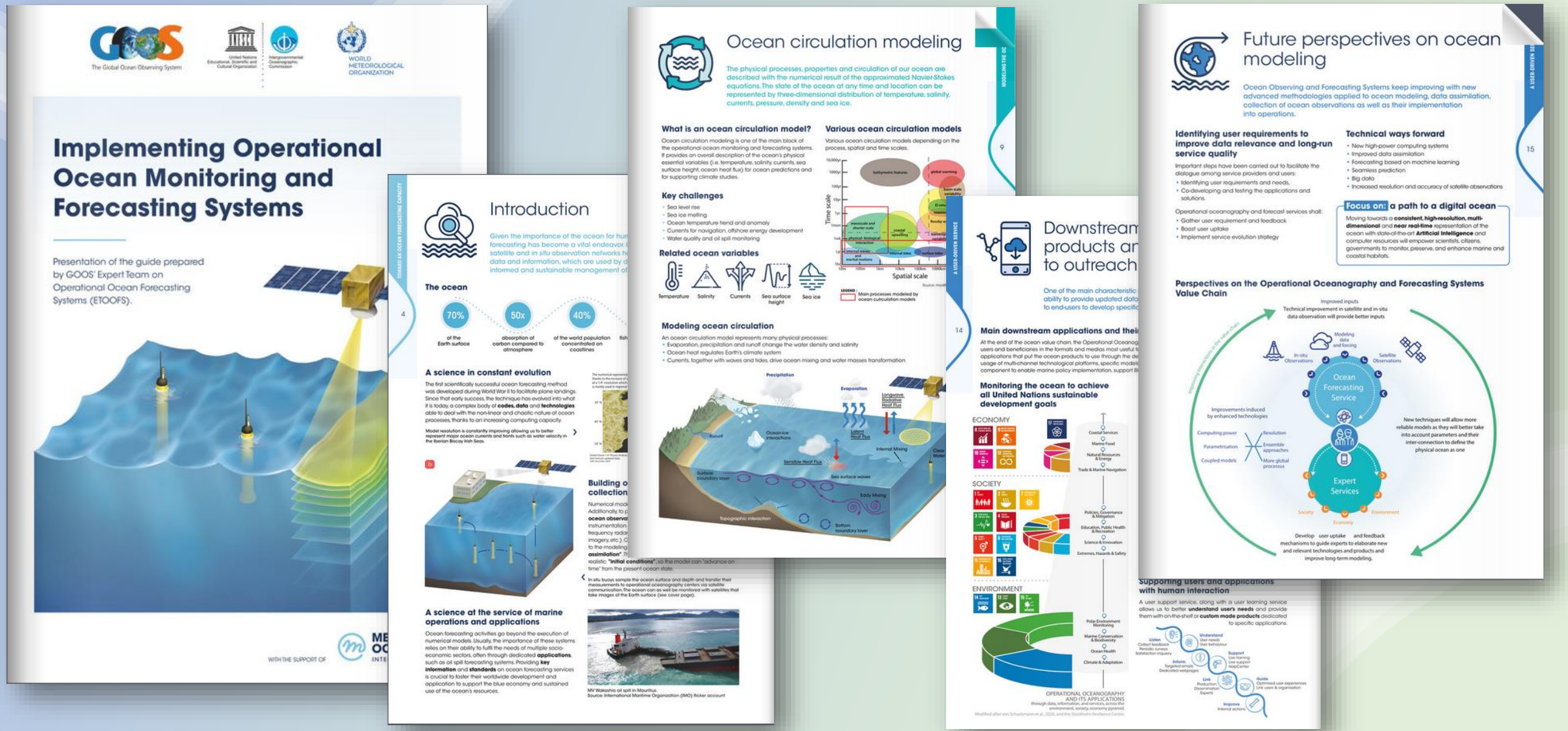
ETOOFS recent activities (2/3): the guide

Structrure of the Guide

1. Introduction 2. Motivation and scope of ocean monitoring and forecasting capacity 3. Definition of ocean forecasting systems: temporal and spatial scales solved by marine modeling system	Introductory chapters
4. Architecture of ocean monitoring and forecasting systems	Main overview chapter
5. Circulation modeling 6. Sea Level and storm surge modeling 7. Wave modeling 8. Biogeochemical modeling	Detailed description chapters
9. Coupled Prediction: Integrating Atmosphere-Wave-Ocean forecasting 10. Challenges and Future perspectives in ocean modeling	Way forward chapters

ETOOFS recent activities (3/3): the booklet

https://www.mercator-ocean.fr/en/oofs-guide/



OceanPredict and ETOOFS

- OceanPredict a network to develop cutting-edge science & technology for ocean forecasting, to run experiments, to identify best practices *with the goal to improve the overall quality of OOF systems*

- ETOOFS a body to document operational standards and best practices and support their adoption through capacity building, *with the goal to improve the OOFS capacity worldwide.*

- *ETOOFS needs OceanPredict to ensure proper scientific and technical content, and innovation*
- *ETOOFS can help OceanPredict to reach out with the formal decision frameworks of IOC, WMO & al (connection with national bodies, connection with intermediate users)*

Thanks!