



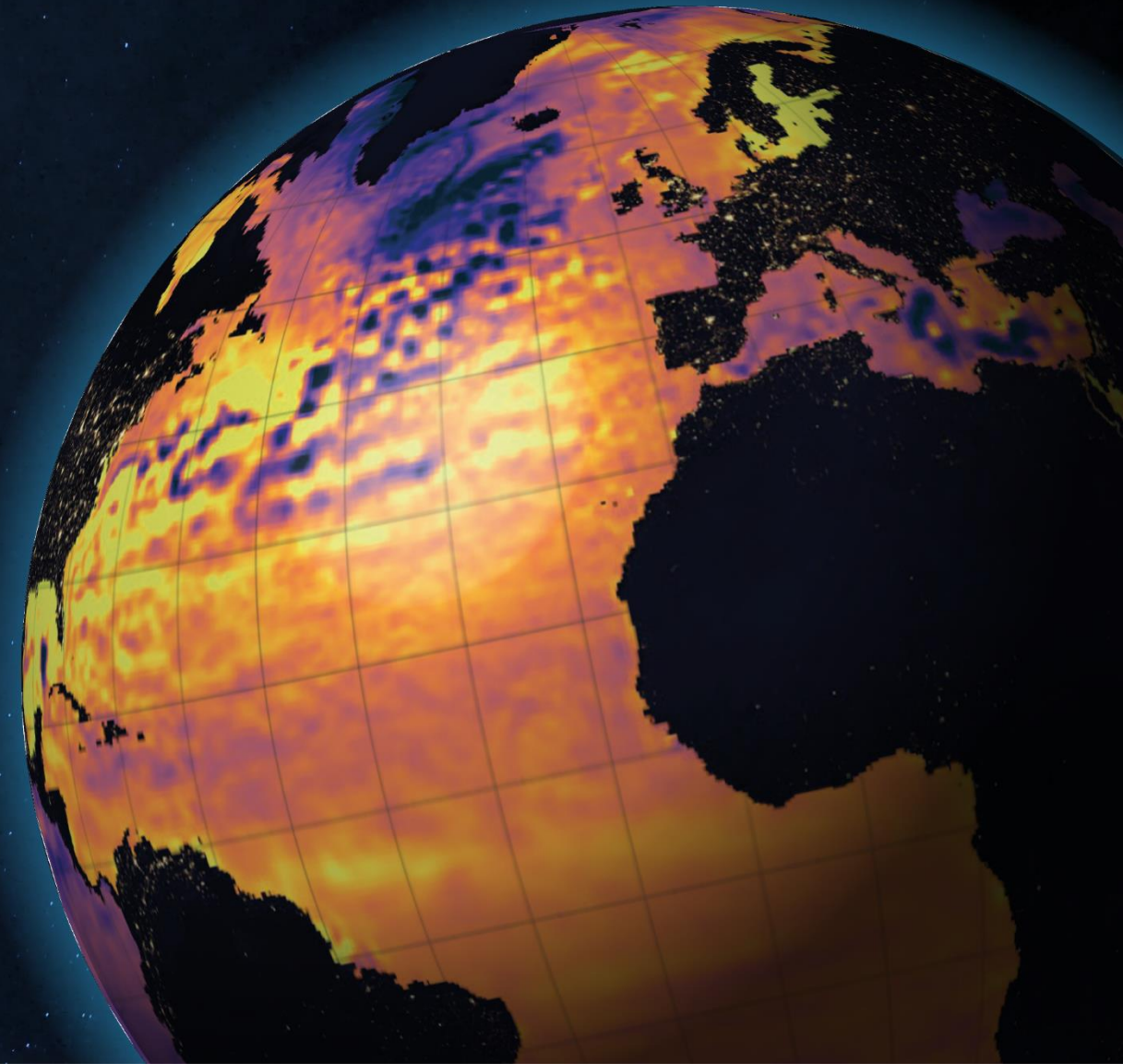
Brest-Plouzané, France

17-20 June 2025

Coastal Ocean and Shelf Seas Task Team - International Coordination Meeting (COSS-TT ICM)

Business Meeting

J Staneva A. Kurapov



Agenda

- I. COSS-TT members
- II. Themes
- III. Meetings/Outcome

Task Teams

- OceanPredict contributes to the development of **new science capabilities through active working groups, called the OP Task Teams (or TTs).**
- OceanPredict currently operates seven different task teams, which are all working in exiting science areas, complementing each other
- They collaborate and reach out to external science and research communities, linking OceanPredict into an international ocean science landscape.

Teams

AI-TT	<u>Artificial Intelligence TT</u>	<i>Santha Akella (NOAA/EMC)</i> <i>Kristian Mogensen, (ECMWF)</i>
COSS-TT	<u>Coastal Ocean and Shelf Seas TT</u>	<i>Alexander Kurapov (NOAA)</i> <i>Joanna Staneva (Hereon)</i>
CP-TT	<u>Coupled Prediction TT</u>	<i>Santha Akella (NOAA/EMC)</i> <i>Kristian Mogensen, (ECMWF)</i> <i>Chris Harris (Met Office)</i>
DA-TT	<u>Data Assimilation TT</u>	<i>Ann Kristin Sperrevik (Met.no)</i> <i>Sergey Frolov (NOAA/PSL)</i>
IV-TT	<u>Intercomparison and Validation TT</u>	<i>Fabrice Hernandez (MOi/IRD)</i> <i>Greg Smith (ECCC)</i>
MEAP-TT	<u>Marine Ecosystem Analysis and Prediction TT</u>	<i>Stefano Ciavatta, PML</i> <i>Liuqian Yu (Hong Kong University)</i>
OS Eval-TT	<u>Observing System Evaluation TT</u>	<i>Elisabeth Remy (Mercator Ocean International)</i> <i>Yosuke Fujii (MRI/JMA)</i>



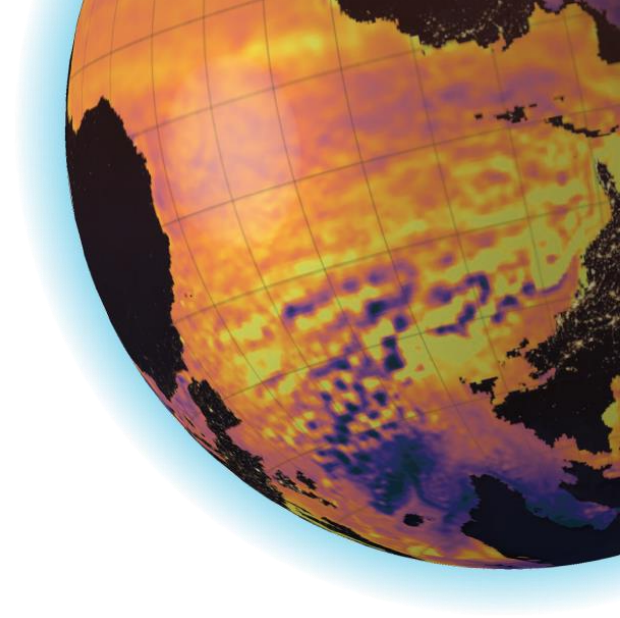
**Ocean
Predict**



Ifremer

COSS-TT

Guillaume	Charria
Byoung-Ju	Choi
Mauro	Cirano
Stephanie	Cuven
Jianping	Gan
Marcos	Garcia Sotillo
Tomasz	Dabrowski
Pierre	De Mey-Frémaux
Mike	Herzfeld
Lars R.	Hole
Huijie	Hue
Vassiliki	Kourafalou
Alexander	Kurapov
Bruno	Levier
Joanna	Staneva



Ocean
Predict

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COSS-TT Themes

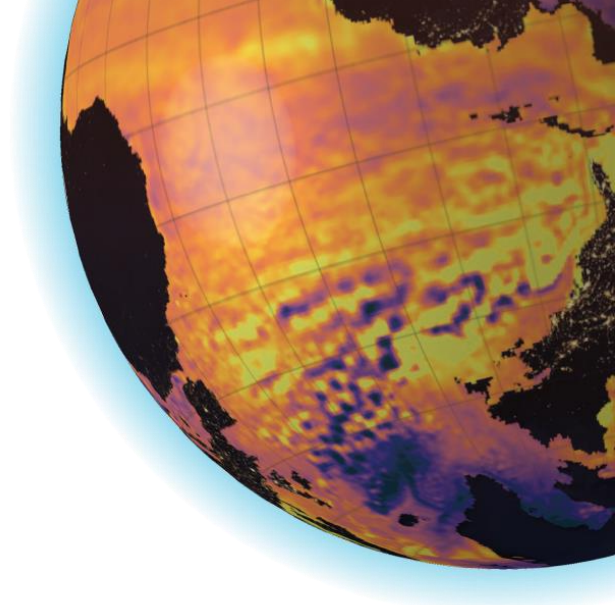
1. **The observing infrastructure** in the coastal seas, its integration with ocean model, prediction and forecast systems
2. **Ocean modelling** at the regional and shelf sea spatial scales and seamless integration with larger-scale estimates
3. **The land-ocean continuum:** integration of models for coastal ocean and estuaries/deltas/wetlands, including effects on urban built environments/coastal cities
4. **Coastal projections and scenarios**, coastal vulnerability, wave and storm surge impacts in the coastal zone
5. **AI/ML applications** in the coastal ocean prediction
6. **User applications and decision tools** in the coastal ocean (including Digital Twins)
7. **The role of the COSS-TT** in the UN Ocean Decade and beyond

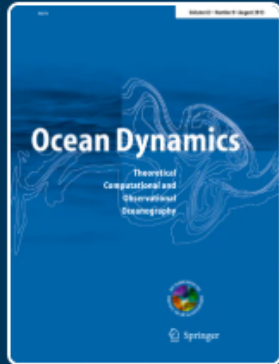
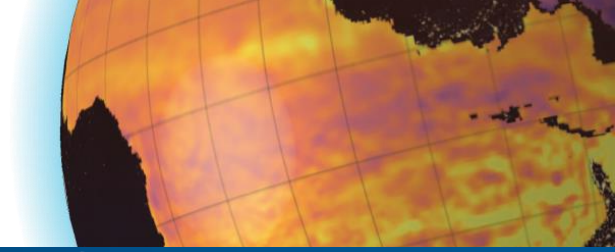
COSS-TT Next Meetings:

Frequency
Venue

Format

- themes, special topics, focus areas?





Ocean Dynamics

Theoretical, Computational and Observational Oceanography

Publishing model

Hybrid

[Submit your manuscript →](#)

Topical Collection in Ocean Dynamics Plus COSS-TT review paper(s)



Thank you!