



OceanPredict Symposium 2024: Strategy, science contents, and outreach

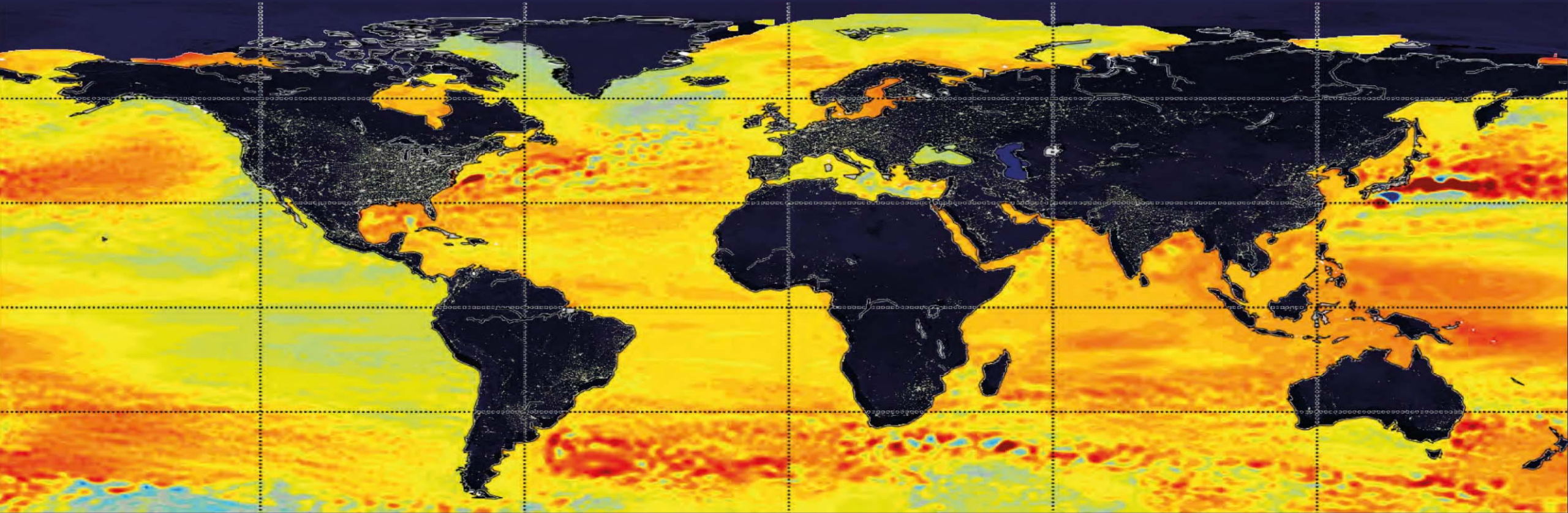
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Ocean
Predict

Symposium OP'24

Advancing ocean prediction science for social benefits



SAVE THE DATE 18-22 November 2024
Paris, France

in partnership with



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Commission
océanographique
intergouvernementale

OPST-8 meeting (Busan, Republic of Korea), 6-10 November 2023

Science Committee

- Membership of Science Committee (Nov 2023):
 - OPST Co-chairs
 - OPST TT Co-chairs
 - OPST Members
 - OPAS Chair and Member
 - GOOS Representative
 - UNESCO/IOC Representatives
 - UN Ocean Decade Representatives
- 3 initial meetings held in August, September, October:
we are still in the early stages of developing the science program!

Strategy

OP'24 Symposium «Advancing Ocean Prediction Science for Societal Benefits»

High-level objectives*:

- accelerate the evolution the science behind operational oceanography as a key component of Earth System Modeling
- identify the growing and changing needs of users and how to enhance service delivery
- align the science objectives with the goals of the UN Decade of Ocean Science for Sustainable Development (UNDOS, 2021-2030)

Linkages with ForeSea: OceanPredict's programme in the UN Decade of Ocean Science for Sustainable Development and other programmes: CoastPredict, CoastPredict, ObsCoDe, DITTO, MarineLife2020, etc.

* Strategy document available on request from OP Office

Audience/Participants

- Generally speaking, all actors in the full value chain of operational oceanography are invited to join OP'24:
 - ocean and atmospheric scientists
 - observation specialists
 - industry representatives
 - service providers
 - end users of ocean data & products
- Representatives from the industry, service provider, and end-user community are invited to exhibit their work and products, and to engage with the science community
- Capacity development: early career scientists, students and representatives from emerging economies will be encouraged to attend (funding?)

Format of Symposium

- OP'24 will be an in-person event to allow for plenty of informal interactions during the event (networking especially important for students and early career scientists)
- Presentations and discussions will be broadcasted live, recorded and made available to participants who are unable to travel – *no remote presentation*.
- Invited plenary talks will focus on science topics underpinning UNDOS programmes and projects (administrative or governance matters are out-of-scope)
- Splinter sessions will be focusing on the symposium themes and discuss progress in operational oceanography at research level. Abstracts will be invited to contribute to plenary, splinter and poster sessions and should ideally indicate any links to UNDOS Programs
- There will also be town hall events on key topics with podium discussions and opportunities for active participation by the audience
- Special issue publication: no planning budget for a special issue - Frontiers has been mentioned

Science Content

OP'24 «Advancing Ocean Prediction Science for Societal Benefits»

Tentative theme structure following OP'19

Theme 1: Operational Oceanography: Past, Present, and Future

Theme 2: Observations for Ocean Prediction

Theme 3: Numerical Modeling

Theme 4: Data Assimilation

Theme 5: Emerging applications of Machine Learning within Operational Oceanography

Theme 6: Ocean Prediction Systems and Services

Theme 7: User Applications and Societal Benefits

OP'24 «Advancing Ocean Prediction Science for Societal Benefits»

Alternative Theme Structure

Theme 1: Operational oceanography: Past, present, and future

Theme 2: Coastal

Theme 3: Regional

Theme 4: Global

Theme 5: New developments in measurements/observations, modelling, data assimilation, machine learning/AI, digital twins, etc.

Theme 6: Ocean prediction systems and services

Theme 7: User applications and societal benefits

Next Steps for the Science Committee

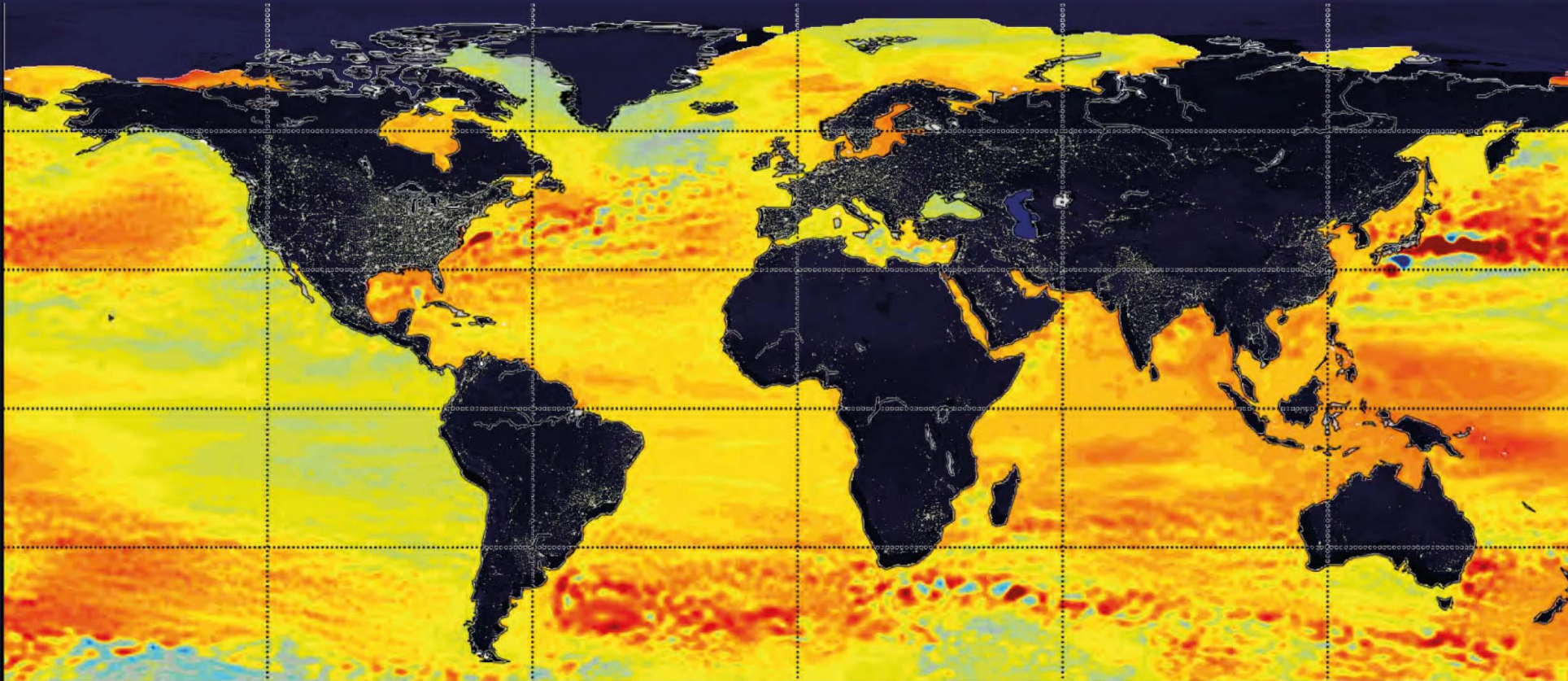
- Define linkages with the Decade => “ForeSea, OceanPredict’s programme for the UN Decade of Ocean Science for Sustainable Development”
- Review/revise themes and draft theme descriptions
- Draft detailed schedule, e.g.
 - Define the plenary topics (Decade links) and identify/invite speakers
 - Define date when to call for abstracts/special sessions within the themes (first week of January 2024 at the latest)
 - Assign individual Science Committee members to themes as coordinators and reviewers of abstracts
 - Define process for reviewing and allocating invited presentations, oral and poster presentations
- ...



Ocean Predict

Symposium OP'24

Advancing ocean prediction science for social benefits



The symposium theme is **“Advancing Ocean Prediction science for societal benefits.”** The event will be specifically designed to strengthen cooperation and partnerships between diverse communities to address sustainable development, blue economy, and societal awareness. It will include sessions centered around Operational Oceanography, Observations for Ocean Prediction, Numerical Modelling, Ocean Prediction Systems and Services, User Applications and Societal Benefits, and Emerging applications of Machine Learning within Operational Oceanography.

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