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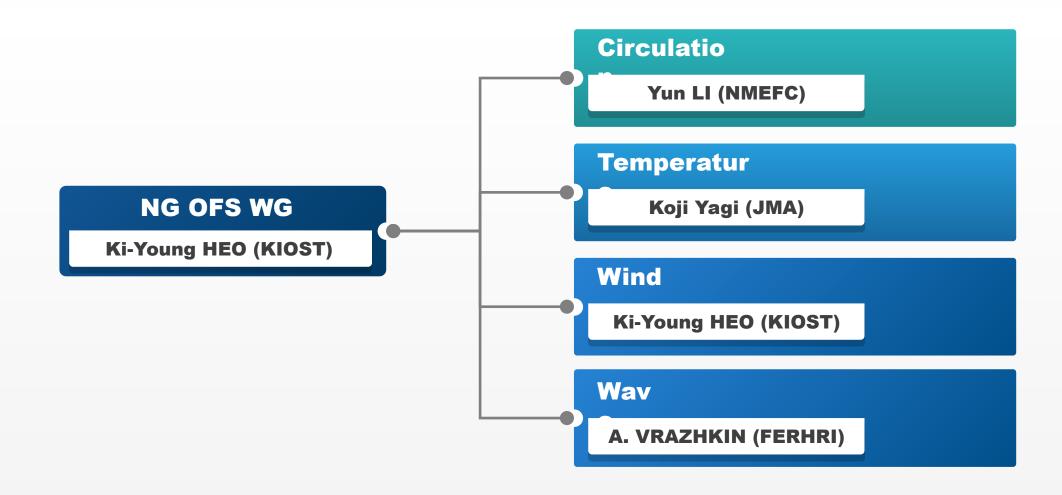
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4 Task Force Teams on NG OFS WG



Task Force teams in OFS WG (Mar. 2025)

	Leading Country	Leader	CHINA	JAPAN	KOREA	RUSSIA
Wind	Korea	Dr. Ki-Young HEO	Dr. Jianyong XING	-	Dr. Ki-Young HEO	-
Circulation	China	Dr. Yun LI	Dr. Shuangquan WU	Mr. Masakazu HIGAKI	Dr. Gwang-Ho SEO	-
Temperature (sea)	Japan	Dr. Koji Yagi	Dr. Yun LI	Dr. Mikitoshi HIRABARA	Dr. Jae-II KWON	-
Wave	Russia	Dr. A. VRAZHKIN	Dr. Zhiyi GAO	-	Mr. Jin-Yong CHOI	Dr. A. VRAZHKIN

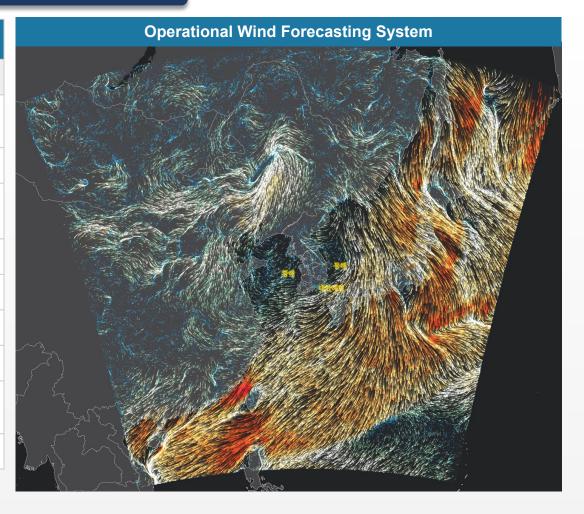
OFS model configurations (Mar. 2025)

	Leading Country	Product	System	Method	Timeline
Wind	Korea	Sea surface wind (U ₁₀)	KOOS-WRF_ ver.4.2	Images for 72 hours with (3 hours interval) Via Homepage	Operational
Circulation	China	Sea surface Current, Sea surface height	NEMO	Images for 5 days with (1 days interval) Via Homepage	Operational
Temperature (sea)	Japan	Sea surface + 100m temperatures	MOVE/MRI.COM	Images for 30 days with (1 days interval) Via Homepage	Operational
Waves	Russia	Significant wave height and direction	FERHRI-WaveWatch III	Images for 120 hours with (6 hours interval) Via Homepage	Operational

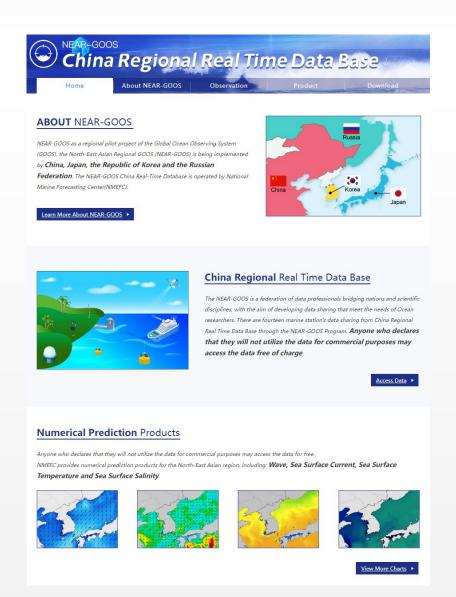
II. Progress on NG OFS WG Wind TF - KOREA

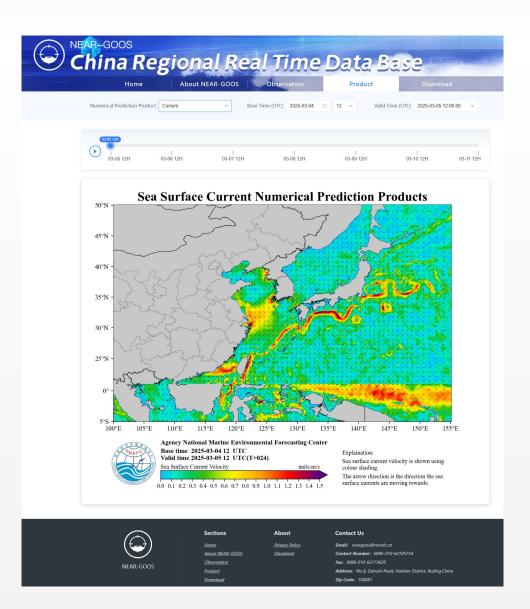
KOOS WRF ver. 4.2

Regional domains	Specifications of WRF run		
		Domain1	Domain2
105°E 120°E 135°E 150°E 50°N — 50°N	Horizontal Resolution	20 km	4 km
45°N — 45°N	Vertical Levels	60	60
40°N - 40°N - 35°N - 35°N	Cumulus Parameterization	Kain-Fritsch	None
30°N - 30°N	Microphysics	ysics WSM	
25°N — — — — — — — — — — — — — — — — — — —	Radiation	RRTM/[Dudhia
20°N — 20°N	Land surface	Noah LSM	
15°N — 15°N 110°E 115°E 120°E 125°E 130°E 135°E 140°E	PBL	YSU So	cheme
0 25 75 200 500 1000 1500 2000 3000	Initial/Boundary condition	NCEP	GFS
	Data Assimilation	4DV	AR

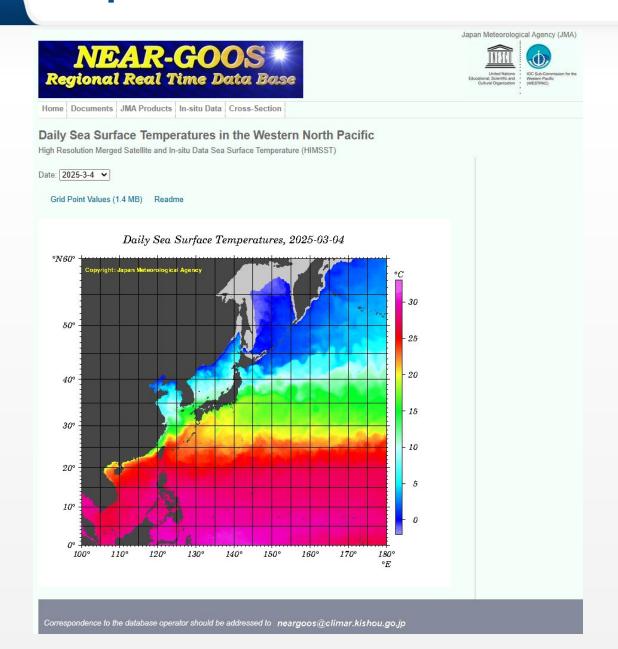


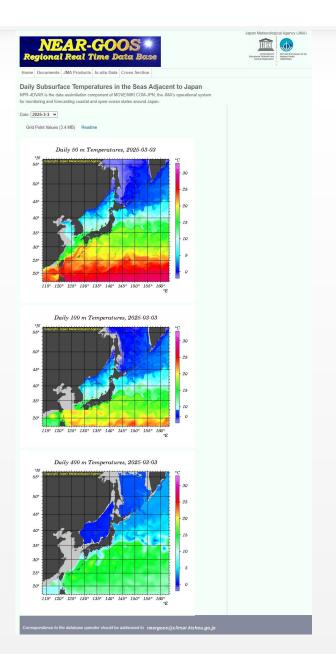
Current TF - CHINA



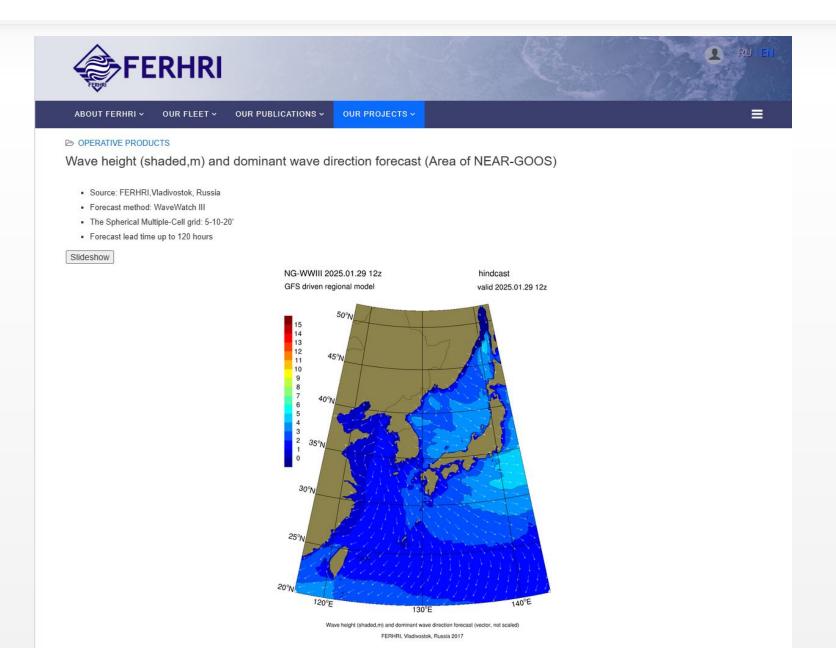


Temperature TF - JAPAN



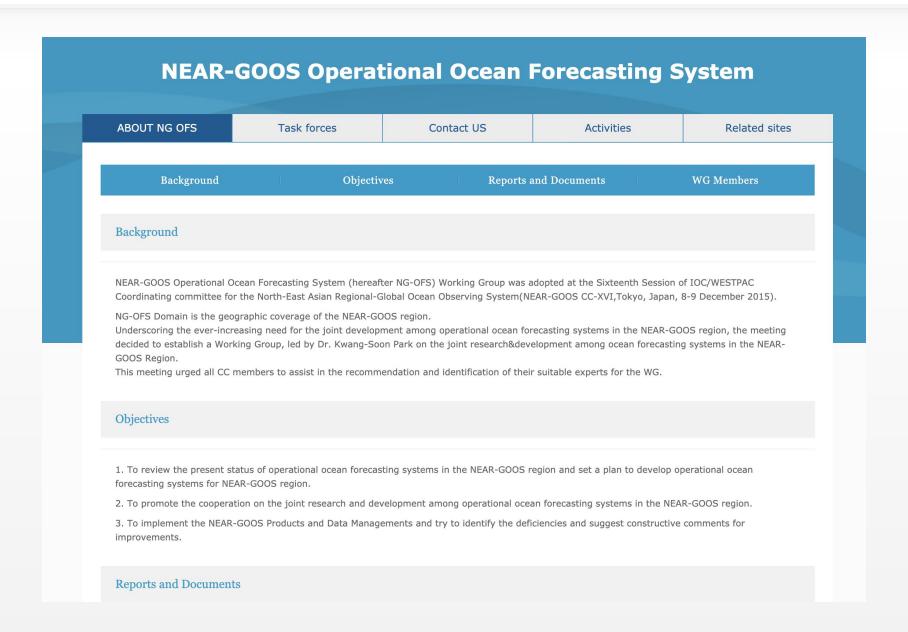


Wave TF - Russia



OFS WG Homepage http://NEARGOOS-OFS.kiost.ac.kr

☐ The website is currently down.



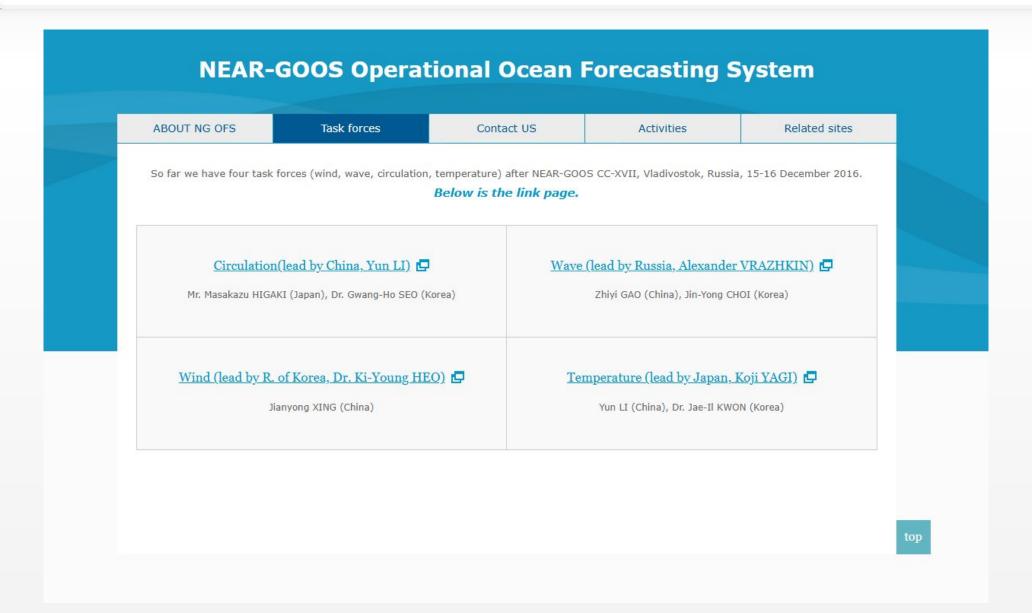
OFS WG Homepage

WG Members

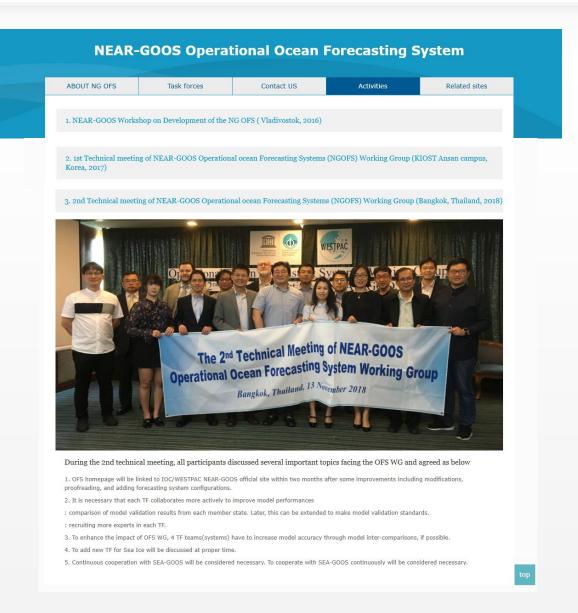
The membership will include one or more experts from the participating agencies or organizations based on their expertise in the subject area. Membership can be extended to experts outside the participating agencies or organizations by consensus, if their contributions are deemed necessary for the working group. The working group will select a Chairperson from its members by consensus of them for a the team to mutually agree. The Chairperson will be responsible for representing the working group and reporting to the NEAR-GOOS Coordinating Committee at its regular sessions.

Country	Name	Affiliation	TF member
China	Dakui WANG	National Marine Environmental Forecasting Center (NMEFC)	Delegation
	Jianyong XING	National Marine Environmental Forecasting Center (NMEFC)	Wind
	Yun LI	National Marine Environmental Forecasting Center (NMEFC)	Circulation(Leader)/ Temperature
	Zhiyi GAO	National Marine Environmental Forecasting Center (NMEFC)	Wave
	Shuangquan WU	National Marine Data and Information Service (NMDIS)	Circulation
Japan	Masakazu HIGAKI	Japan Meteorological Agency (JMA)	Circulation
	Koji YAGI	Japan Meteorological Agency (JMA)	Delegation/ Temperature(Leader
Korea	Ki-Young HEO	Korea Institute of Ocean & Technology (KIOST)	WG Leader
	Ki-Young HEO	Korea Institute of Ocean & Technology (KIOST)	Wind(Leader)
	Jin-Yong CHOI	Korea Institute of Ocean & Technology (KIOST)	Wave
	Gwang-Ho SEO	Korea Hydrographic and Oceanographic Agency (KHOA)	Circulation
	Jae-Il KWON	Korea Institute of Ocean & Technology (KIOST)	Circulation
Russia	Alexander VRAZHKIN	Far East Regional Hydrometeorological Research Institute(FERHRI)	Wave(Leader)

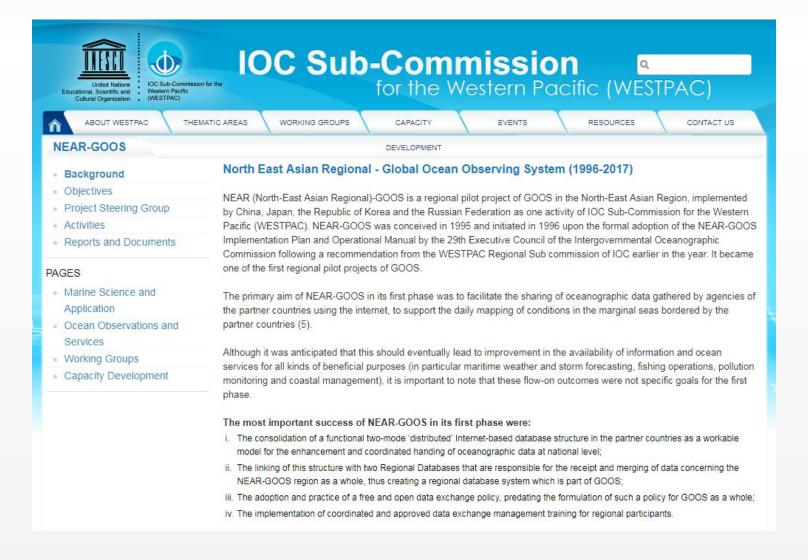
OFS WG Homepage



OFS WG Homepage



OFS WG Homepage Link to NEAR-GOOS Homepage



01 III. Summary

1. Progress report by the Working Group on Operational ocean Forecasting Systems

- All 4 TFs work (forecasting) very good!
- Lots of updated needed
 - 1) Let me know if there have been any changes in the Working Group members.
 - 2) More information about the forecasting models should be added.

2. Future plans

- WG on OFS would like to resume a technical meeting or workshop 1 day before the NG-CC meeting, as usual : No technical meeting has been held since the second technical meeting in 2018.
- There have been many improvements in numerical forecasting since then.
- We need to renew the NEAR-GOOS OFS website.
 - 1) Russia's wave forecasting has not been updated since January 29 of this year.
 - 2) Korea's NEAR-GOOS OFS website is currently down due to a web server issue.
- A short announcement: The Ocean Predict COSS-TT will be held in June in France.



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ABOUT

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UN DECADE

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COSS-TT meeting – June 2025

Task Team event

17 Jun 2025 – 20 Jun 2025, Ifremer, Plouzané, near Brest, France

TEAMS



Overview and meeting objectives

The main goal and central mission of the COSS-TT is international coordination in support of new science and expertise leading to improvements in coastal ocean prediction and forecast systems. COSS-TT works within OceanPredict towards the provision of a sound scientific and expert basis for sustainable multidisciplinary downscaling and forecasting activities in the world's regional and coastal oceans. The strategic goal of the COSS-TT is to help achieve a truly seamless framework from the global to the coastal/littoral scale. A major contribution is to address the particular challenges on monitoring and forecasting in coastal areas and regional seas, where the majority of human marine activities take place. As these are also the areas of enhanced exploitation of marine resources, the COSS-TT has a mission well aligned with society's needs and benefits.

International coordination meetings of the OceanPredict Coastal Ocean and Shelf Seas Task Team (COSS-TT) gather a broad community of scientists, engineers and experts around presentations and discussion themes in support of coastal ocean forecasting. The COSS-TT is wellaligned with relevant international initiatives under the UN Ocean Decade, such as the CoastPredict program, the SynObs project, the Decadal Collaborative Center for Ocean Prediction and the Decadal Collaborative Center for Coastal Resilience.

This event

Overview and meeting objectives
Important dates
Date and Time
Registration and abstract submission
Attendees
Agenda
Themes
Meeting Format
Venue
Accommodation and local information
Organising Committee

VIEW ALL EVENTS

谢谢 ありがとうございま Спасибо 감사합니다