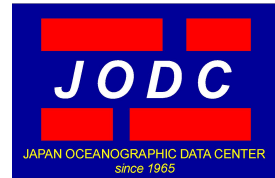


NEAR-GOOS CC-22

Regional Delayed Mode Data Base Report 2025



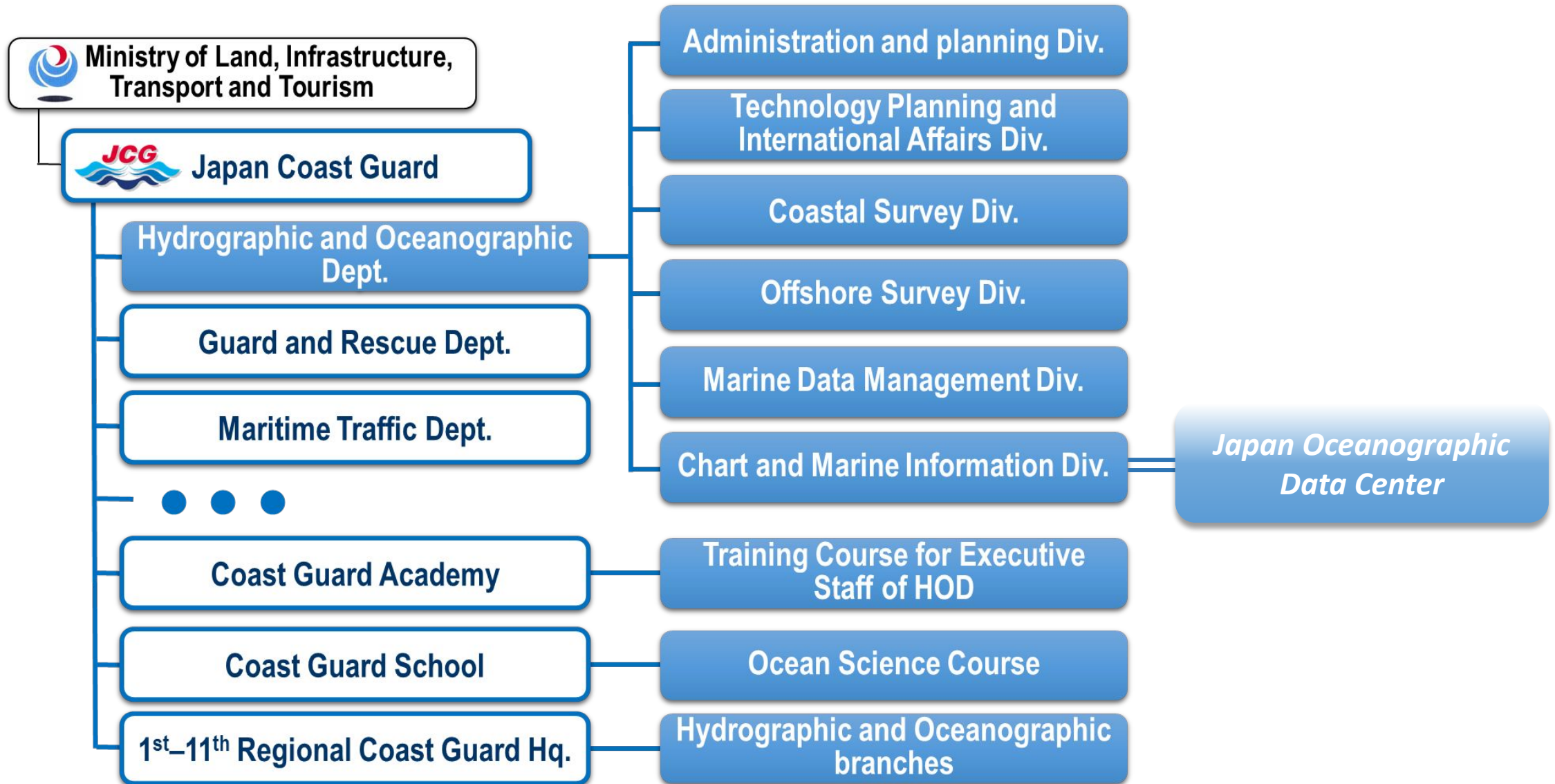
***Japan Oceanographic Data Center
Hydrographic and Oceanographic Department (JHOD)***



I would like to report about today...

- 1. Introduce about JODC**
- 2. Report of RDMDDB**
- 3. Introduce about M-SIL**

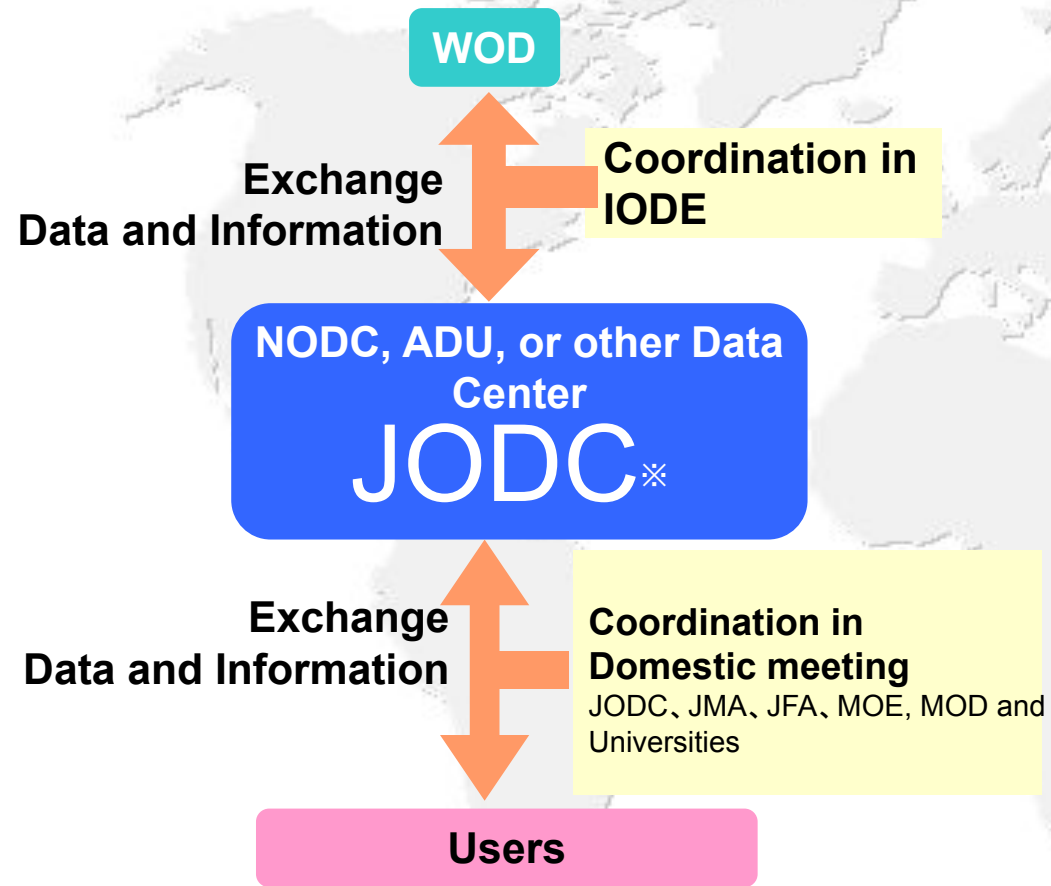
What's JODC?



As the synthetic marine data bank of Japan, JODC collects and manages the oceanographic data observed by various organizations in Japan.
JODC ensures data quality, and provides various users with such marine data.

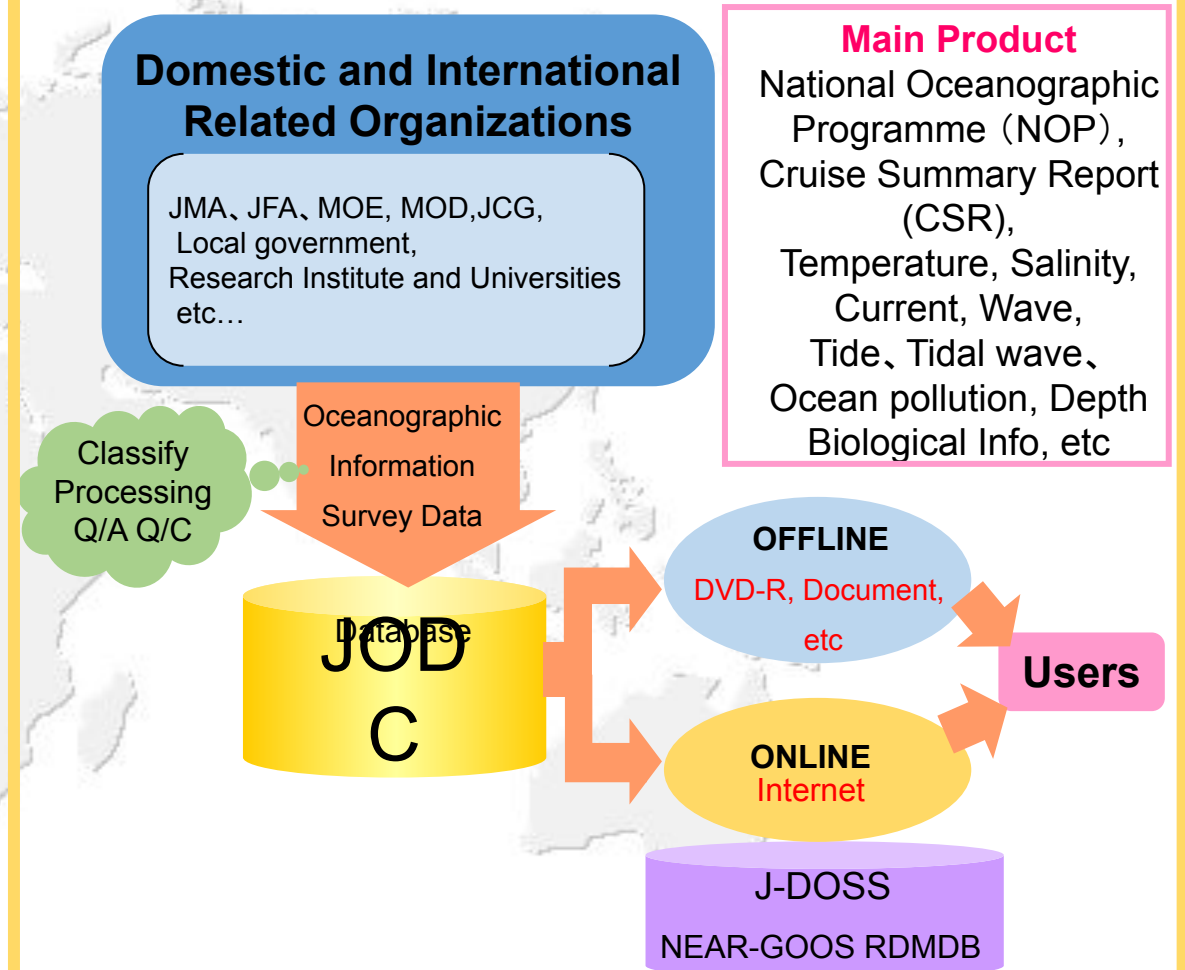
1. **Correcting, Storing, Processing, Providing of Oceanographic data and Information**
2. **Operating, Maintenance, Management of Website for public distribution of Oceanographic data.**
We provide Fourth data providing website
 - JODC: Japan Oceanographic Data Center website
 - J-DOSS: JODC Data On-line Service System
 - MICH: Marine Information Clearing House ※Japanese Only
 - **NEAR—GOOS**
3. **Data Providing to WDC**

●Oceanographic Data and Information Exchange (IODE)



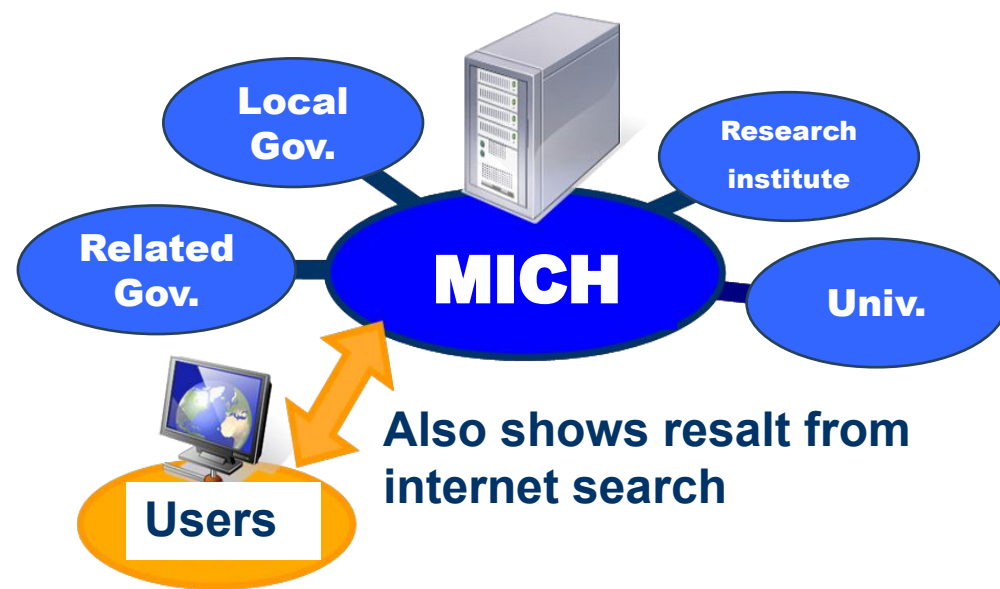
※As one of 60+ National Data Centers worldwide, JODC, is operated by JCGHOD as a NODC in Japan.

●the Flow of Oceanographic Data and Information In JODC



MICH: Marine Information Clearing House

- ◆ Operating the website「**MICH: Marine Information Clearing House**」 which is the database about various related organizations in Japan and their location, overview, how to take their data as Atlas of Ocean Data and Information.



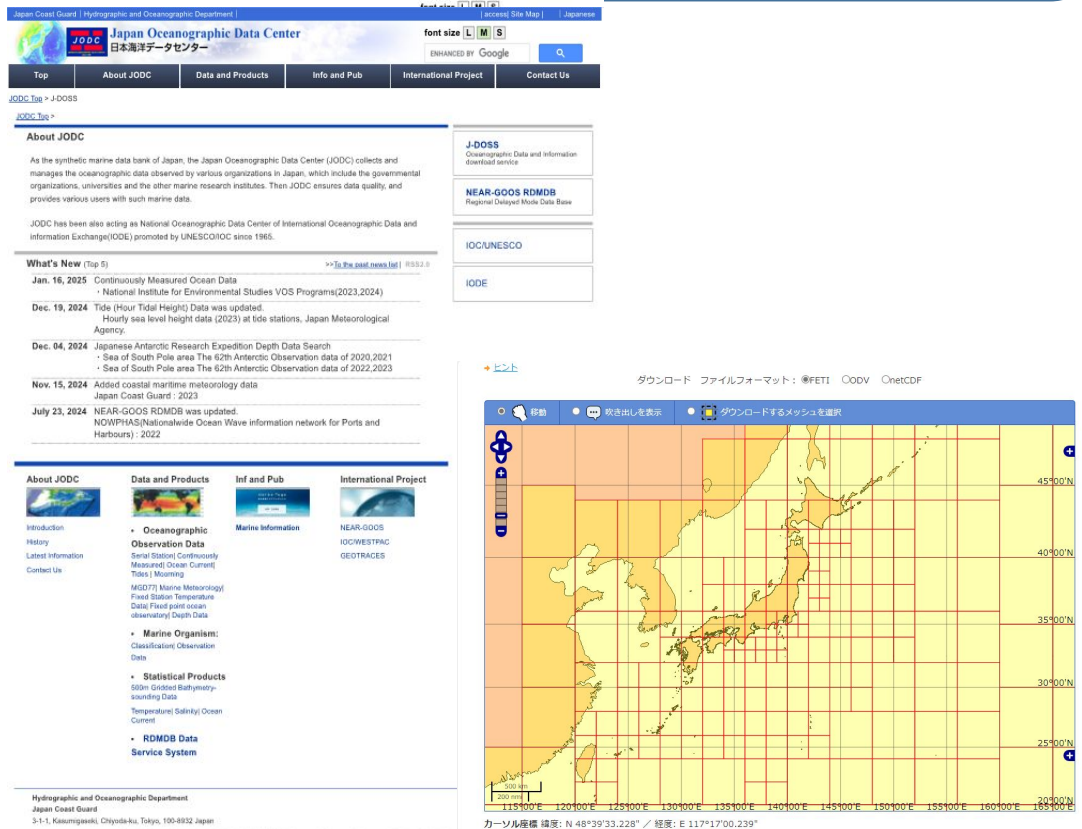
Started since 2010~



<https://www.mich.go.jp>

◆ **J-DOSS** is a system to provide users with the data through the Internet. Any user can search the data using many keywords and download them from J-DOSS.

JODC Top page and J-DOSS Search page



The screenshot displays the JODC (Japan Oceanographic Data Center) website. The top navigation bar includes links for 'Japan Coast Guard', 'Hydrographic and Oceanographic Department', 'JODC', and '日本海洋データセンター'. Below this, a search bar is visible. The main content area is divided into several sections: 'About JODC' (describing the center's role in collecting and managing oceanographic data), 'What's New' (listing recent updates and publications), and a 'Data and Products' section. The 'Data and Products' section lists various data types available for download, including 'Oceanographic Observation Data' (Serial Station, Continuously Measured Ocean Current, Tide, Mooring), 'Marine Meteorology' (MGD77), 'Marine Organism' (Classification, Observation Data), and 'Statistical Products' (Gridded Bathymetry, Temperature, Salinity, Current). A map of the Japanese archipelago is shown in the background of the 'Data and Products' section.

Observation Data

- ▶ Serial Station Data (Water samplers, STD, CTD, BT)
- ▶ Continuously Measured Ocean Data
- ▶ Ocean Current Data
- ▶ Tide (Hour Tidal Height) Data
- ▶ Mooring Observation Data
- ▶ MGD77 Data (Bathymetry, Geomagnetism, Gravity)
- ▶ Coastal Maritime Meteorology Data
- ▶ Fixed Station Temperature Data
- ▶ Marine Organism (Plankton) Classification Code
- ▶ Marine Organism (Plankton) Observation Data
- ▶ Fixed point ocean observatory at Chiba Lighted Beacon
- ▶ Japanese Antarctic Research Expedition Depth Data

Statistical Products

- ▶ 500m Gridded Bathymetry Data
- ▶ 1 Degree Gridded Temperature Statistics
- ▶ 1 Degree Gridded Salinity Statistics
- ▶ 1 Degree Gridded Current Statistics

- ◆ JODC has been operating RDMDB (Regional Delayed Mode Data Base) since October 1996, based on the recommendation of the first of the NEAR-GOOS Coordinating Committee held in Bangkok in September 1996.

Type of Data	Data Name	Description of Data	MB	Remark
Present RRTDB products	bathy	Regional Data Sets of BATHY Report	43.6	
	bathyG	Global Data Sets of BATHY Report	501.7	
	buoy	Regional Data Sets of BUOY Report	1502.2	
	buoyG	Global Data Sets of BUOY Report	19629.2	
	glbts	Global Sea and Subsurface Temperature and Salinity Decode	96242.4	
	glbwind	Global Wind Decode	5112.1	
	gt spp	Quality Controlled Temperature and Salinity Data by MEDS, Canada	2871.6	
	ship	Regional Data Sets of SHIP Report	259.2	
	shipG	Global Data Sets of SHIP Report	5221.8	
	subst	Subsurface Temperature decoded at RRTDB	4229.1	
	subst_error	Subsurface Temperature decoded Error Report	40.9	
	tesac	Regional Data Sets of TESAC Report	391.3	
	tesacG	Global Data Sets of TESAC Report	11362.1	
	trakob	Regional Data Sets of TRAKOB Report	3.6	
	trakobG	Global Data Sets of TRAKOB Report	825.9	
	ts	Subsurface temperature and salinity decode	5635.6	
	wind	Wind decoded Data at RRTDB	396.0	
	wind_error	Wind decoded Error Report	1.9	
	wind2	Format ver2.0 of WIND	437.9	
	COBE-SST2	COBE-SST2	3.5	Newly launched
	HIMSST	HIMSST	770.7	Newly launched

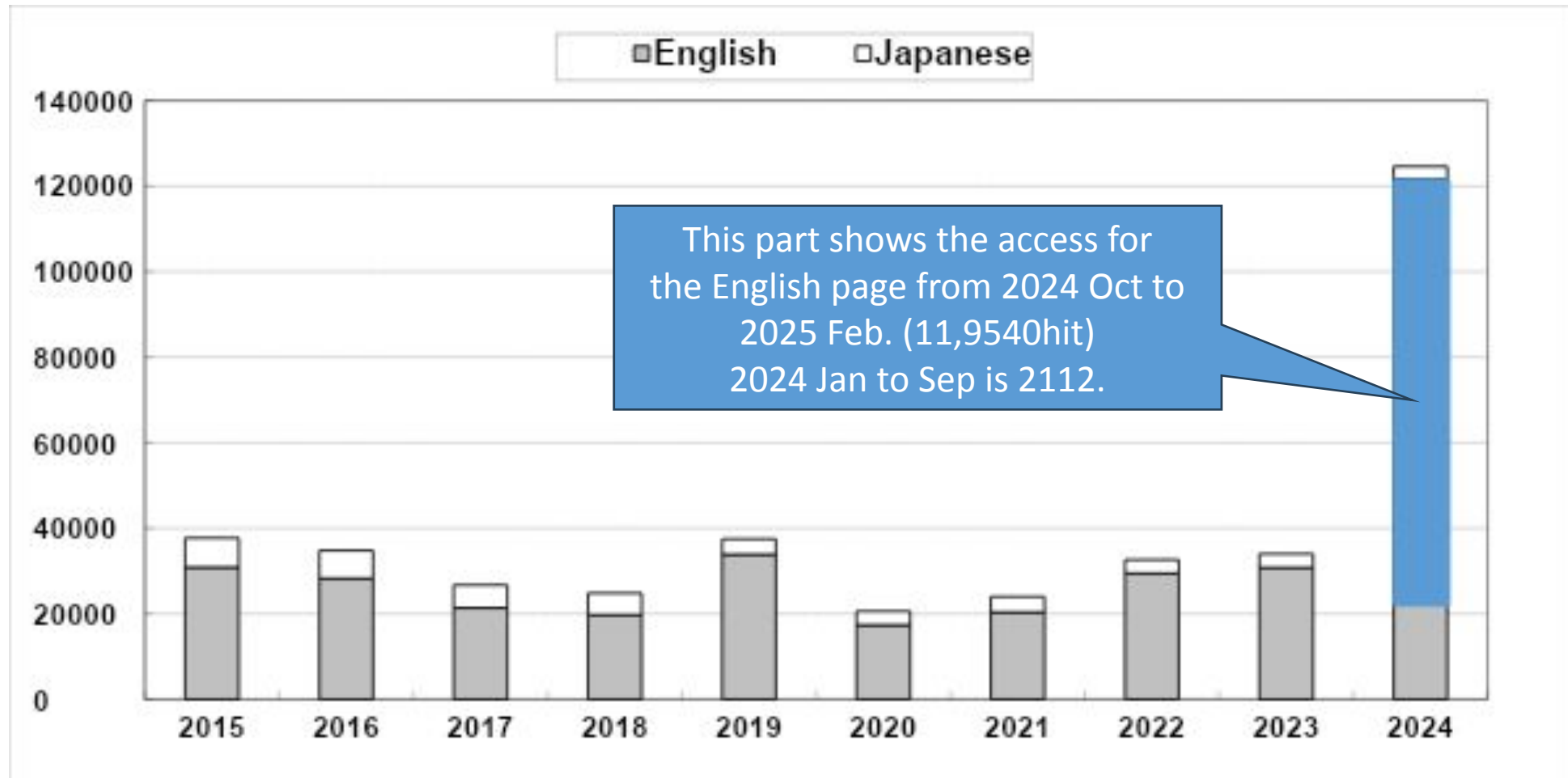
NEW product
From JMA RTDB

Reference: Report of RDMDB

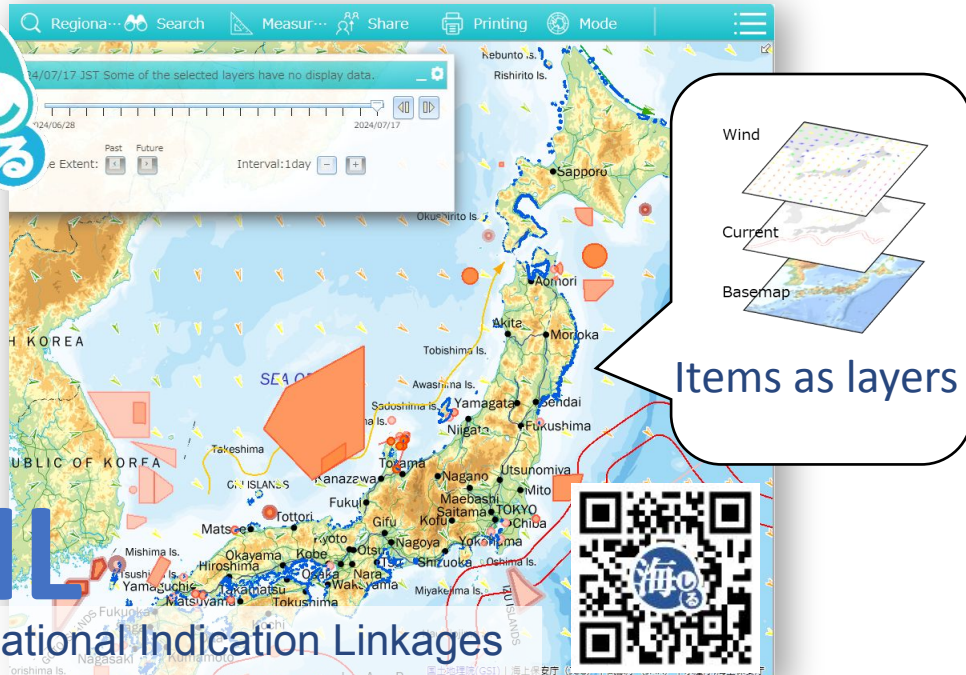
RRTDB Product in the past	move_subc_jpn_D	Daily Mean Subsurface Current in seas around Japan	2299.4	Change from MOVE_current
	move_subc_jpn_T	Ten-day period Mean Subsurface Current in seas around Japan	226.9	
	move_subt_jpn_D	Daily Mean Subsurface Temperature in seas around Japan	4598.6	Change from MOVE_asmday
	move_subt_jpn_M	Monthly Mean Subsurface Temperature in seas around Japan	153.4	Change from MOVE_adjsubs
	move_subt_jpn_T	Ten-day period Mean Subsurface Temperature in seas around Japan	453.7	
	cobe_sst_glb_M	Monthly Mean Sea Surface Temperature in Global	13.9	Change from cobesst
	adjsubs	Monthly Mean Subsurface Temperature in seas around Japan (100m,200m,400m)	22.9	
	asmday	Daily Subsurface Temperature in the seas around Japan	167.0	
	cobesstnorm	Normal and Standard Deviations of COBESST	8.9	
	glbsst	Monthly Mean Sea Surface Temperature	5.2	
	sstanl	Grid Daily Sea Surface Temperature data in the Western North Pacific	95.7	
	mgd_sst_glb_D	Daily Mean Sea Surface Temperature in Global	7663.8	Change from mgdsst
	mgd_sst_jpn_D	Daily Mean Sea Surface Temperature in seas around Japan	27.3	Change from dailysst
	mgd_sst_jpn_T	Ten-day period Mean Sea Surface Temperature in seas around Japan	2.6	
	mgd_sst_pac_T	Ten-day period Mean Sea Surface Temperature in wester north Pacific	10.6	
	mgdsst_re	Global daily Sea Surface Temperature merged satellite and in-situ data (Re-analysis value)	25999.9	
	MOVE_adjsubs_re	Monthly Mean Subsurface Temperature in seas around Japan (Re-analysis value) (50m, 100m, 200m, 400m)	473.5	
	MOVE_asmday_re	Daily Subsurface Temperature in seas around Japan (Re-analysis value) (50m, 100m, 200m, 400m)	14377.0	
	MOVE_current_re	Daily Surface Current in seas around Japan (Re-analysis value)	7207.1	
	oa_subt_pac_M	Monthly Mean Subsurface Temperature in Pacific	25.4	Change from pacsubs
	seaice	Sea Ice Concentration in the north-east Asian marginal seas	2285.8	
	ssdh	Sea Surface Dynamic Heights in the Pacific	271.9	
	ssha	Sea Surface heights Anomalies in the Pacific	271.9	
	wnpsstnorm	Western North Pacific sea Surface Temperature	2.0	
	cobesst	Monthly Mean Sea Surface Temperature	41.9	Change to cobe_sst_glb_M
	dailysst	Daily Sea Surface Temperature	378.7	Change to mgd_sst_jpn_D
	mgdsst	Global daily Sea Surface Temperature merged satellite and in-situ data	6382.1	Change to mgd_sst_glb_D
	MOVE_adjsubs	Monthly Mean Subsurface Temperature in seas around Japan (50m, 100m, 200m, 400m)	115.1	Change to move_subt_jpn_M
	MOVE_asmday	Daily Subsurface Temperature in seas around Japan (50m, 100m, 200m, 400m)	3536.8	Change to move_subt_jpn_D
	MOVE_current	Daily Surface Current in seas around Japan	1768.5	Change to move_subc_jpn_D
	pacsubs	Monthly Mean Subsurface Temperature in Pacific (100m, 200m, 400m)	53.4	Change to oa_subt_pac_M
	wnpsst	Ten-day period Mean Sea Surface Temperature	9.4	Provide stop

Other Products	30secTIDE	30 sec Interval Tide Data at the JHD Tidal Stations, Japan	16378.1
	pariwave	Japanese Nationwide Coastal Wave Data of MLIT, Japan	2074.3
	FERHRI	Marine Meteorological Observation Data on board by FERHRI, Russia	3.7
	FERHRI_station	Station Marine Meteorological Observation Data by FERHRI, Russia	0.2
	JAFIC	Sea Surface/Subsurface Temperature from JAFIC, Japan	81.7
	palace	Subsurface Temperature Profile observed by PALACE float operated by AORI, University of Tokyo, Japan	0.1
	tohokuUv	XBT data observed by Tohoku University, Japan	0.1
	vosnippon	VOS Nippon SST & SSS data	981.1
			253951.7

- ◆ The number on the English top page in 2019 hit maximum number of 33,872 in the past years. Recently, the access for the English top page is increasing remarkably.



MSIL (MDA Situational Indication Linkages)



<https://www.msil.go.jp>

MSIL is a web GIS service for **comprehensive marine data sharing** launched in 2019, **operated by Japan Coast Guard** under the coordination by Cabinet Office, Government of Japan.

MSIL is developed as a fundamental system for the achievement of the “Maritime Domain Awareness (MDA)” in Japan.

※GIS: Geographic Information System

■Latest item on MSIL (updated in Oct. 2024) - Tropical Cyclone Information



■Provision of API (expanded from 50 to 93 items in Feb.2024)

- From MSIL only "seeing" to "using" MSIL



Information found in MSIL is provided through MSIL API.



Image courtesy of Japan Radio Co.,Ltd.
Smart Ship Viewer
<https://www.jrc.co.jp/product/ssv>