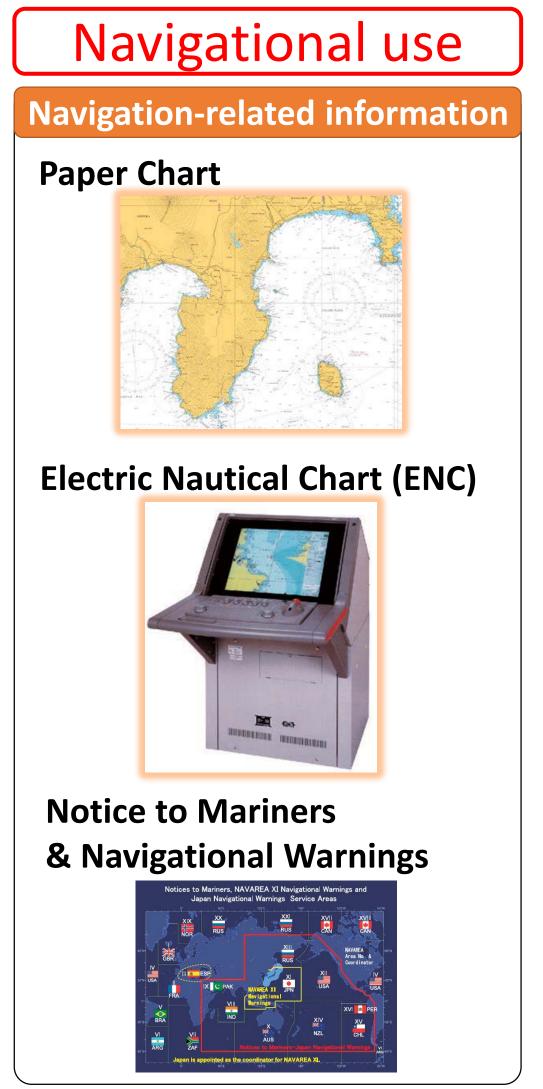
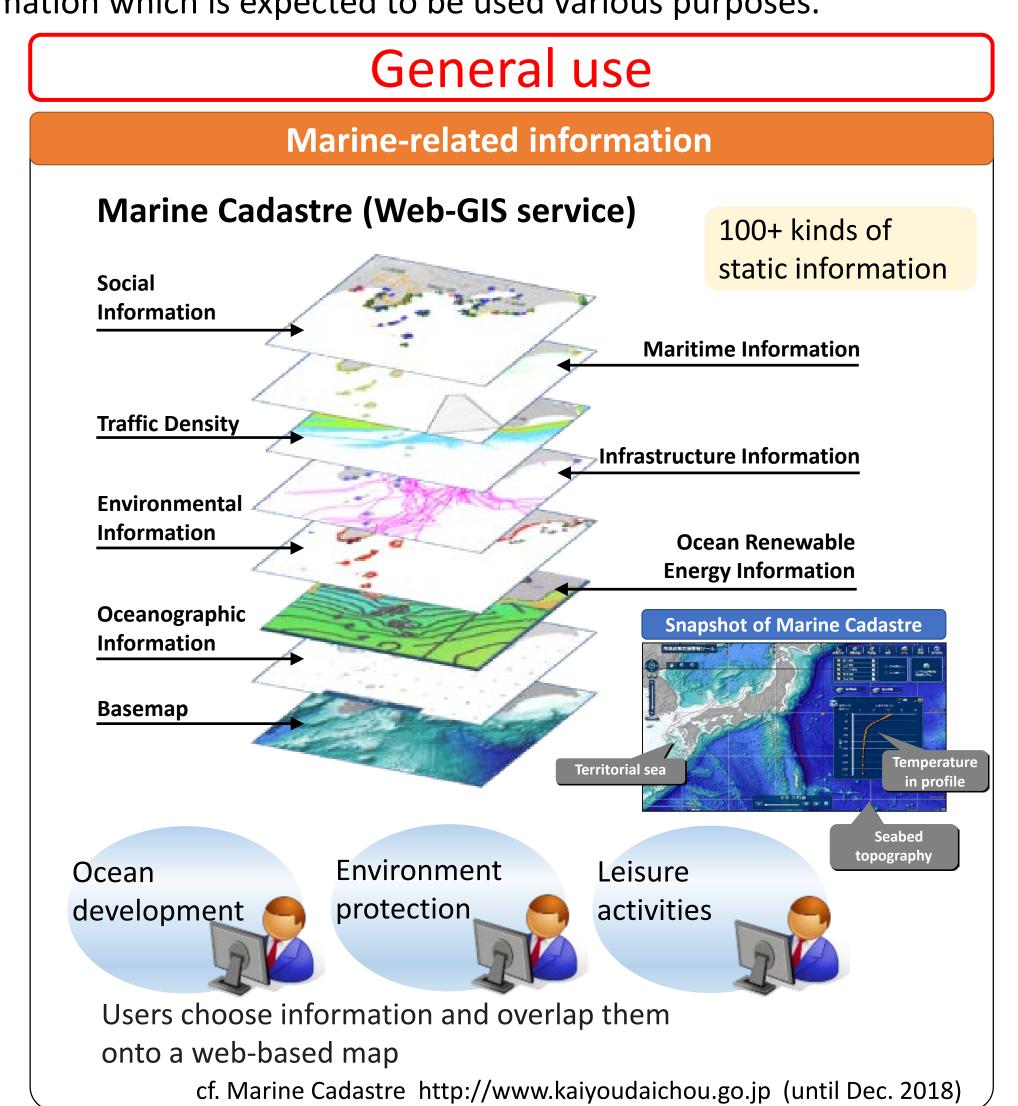
(#64) Real-time Web-GIS as part of Japan's MDA

O Takanori Katsura, Takuma Fujiwara, Hiroyasu Furukawa Hydrographic and Oceanographic Department, Japan Coast Guard

Information Provision Services by JCG

Japan Coast Guard (JCG) have provided not only the navigational safety information for mariners but also the marine-related information which is expected to be used various purposes.

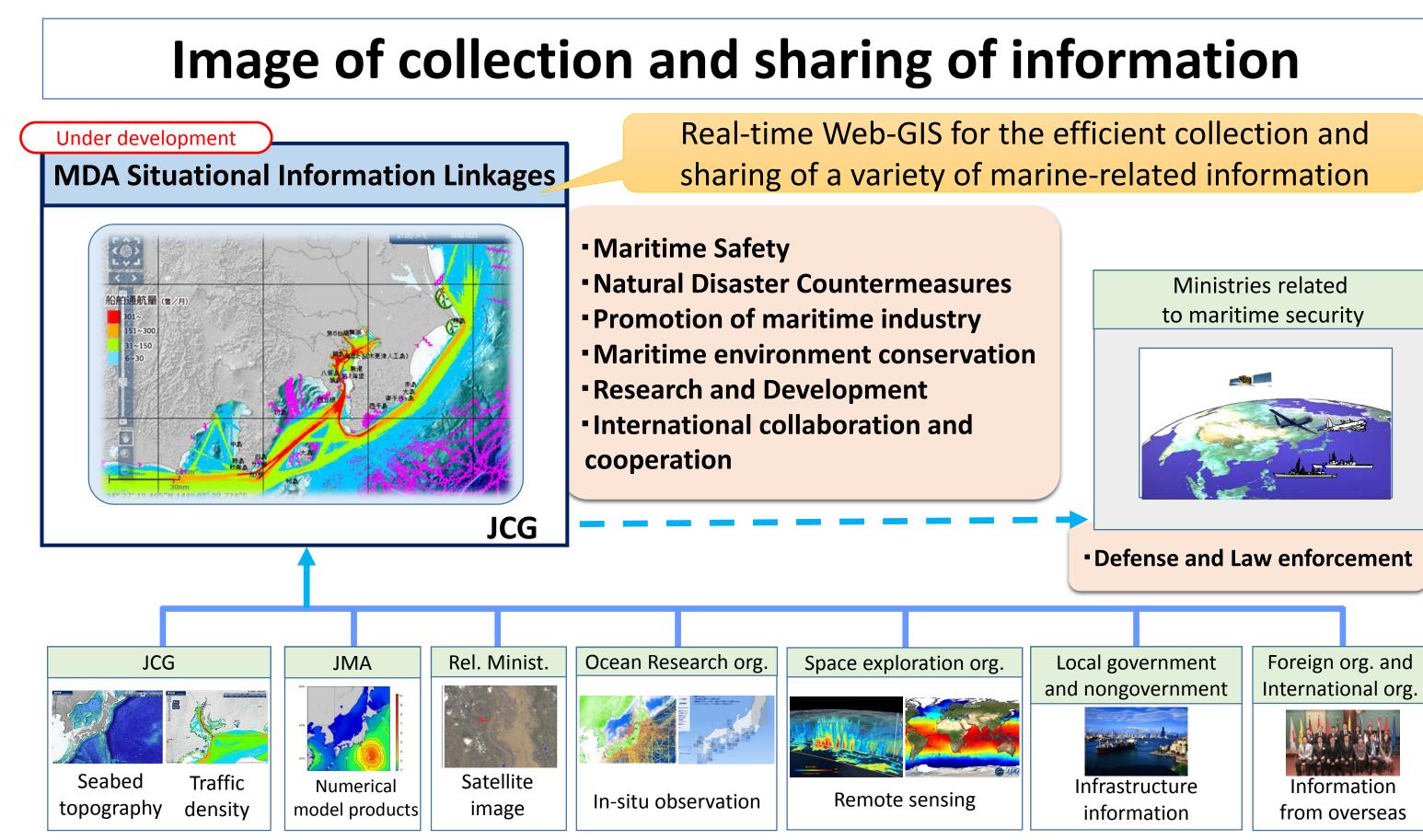




Japan's MDA (Maritime Domain Awareness)

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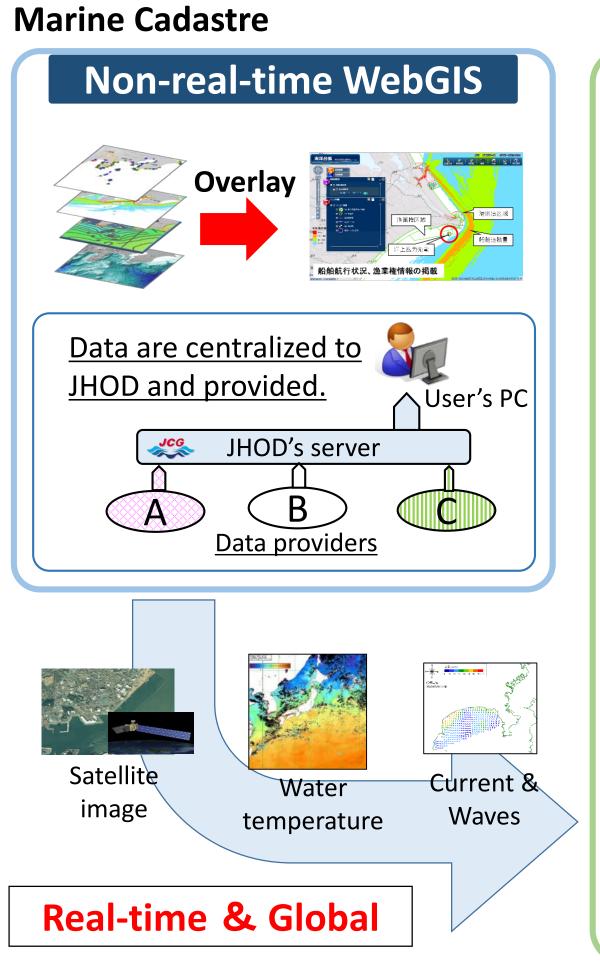
"An effective understanding of marine-related situations and circumstances through the efficient collection and sharing of a variety of marine-related information conducive to Japan's maritime security, marine safety, natural disaster countermeasures, the marine environment conservation, the promotion of marine industries, and the development of science and technology, while paying attention to the handling thereof"

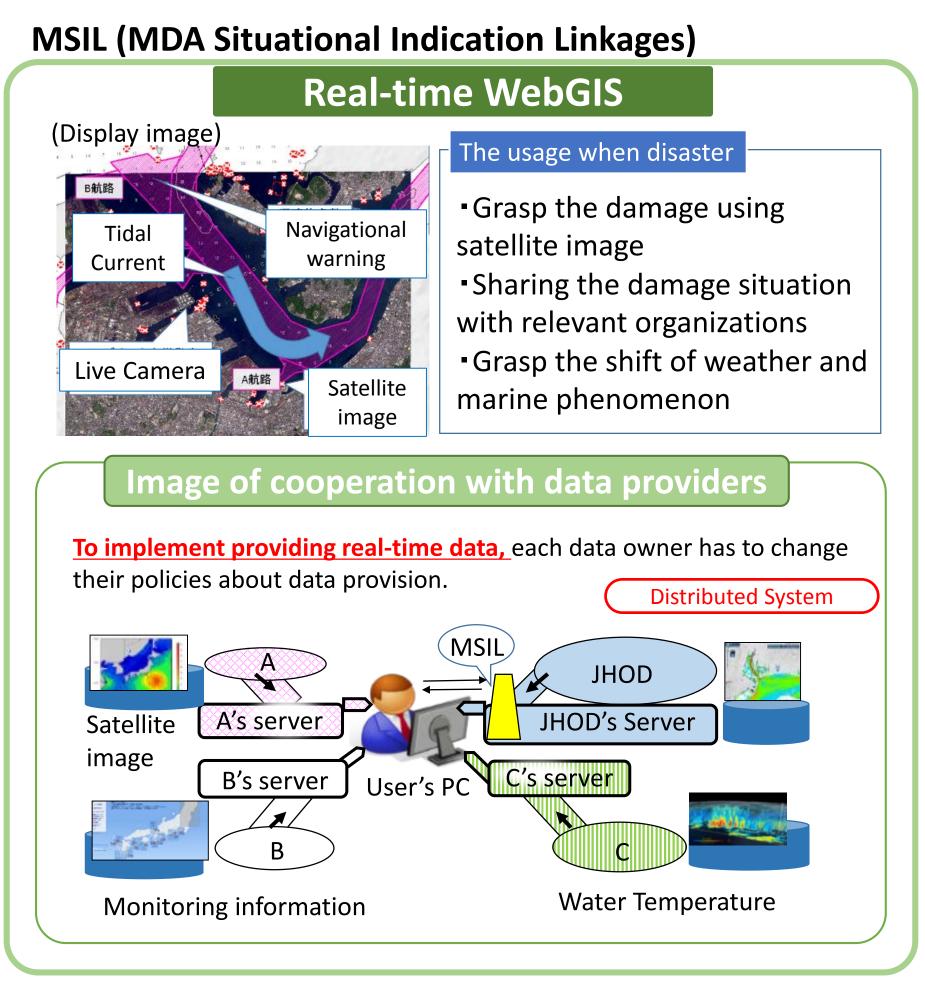


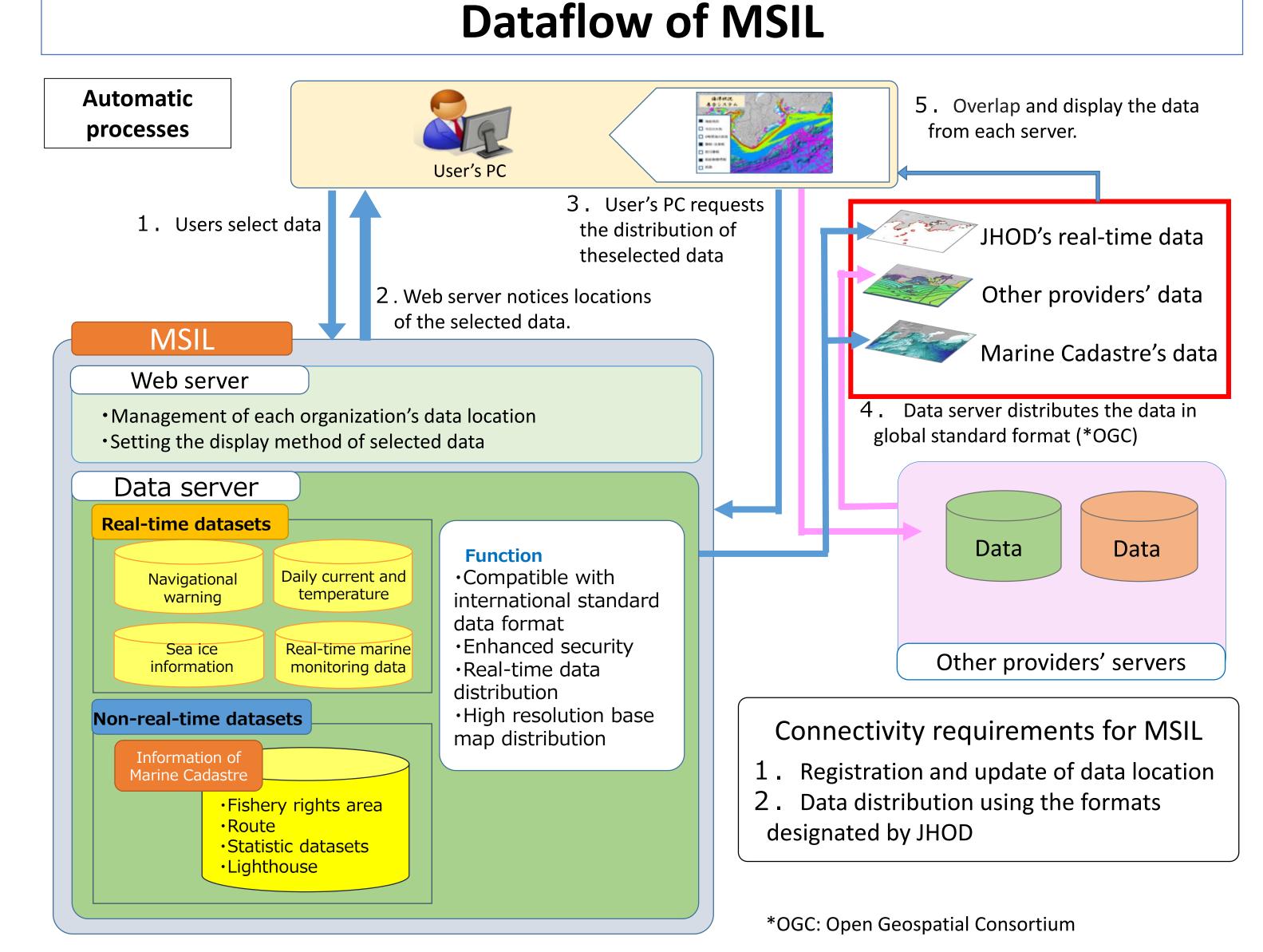
Development of "MDA Situational Indication Linkages (MSIL)"

According to the decision about Japan's MDA by the Headquarters for Ocean Policy, JCG is developing "MDA Situational Indication Linkages", the wide-covered, real-time and user-friendly Web-GIS based on Marine Cadastre.





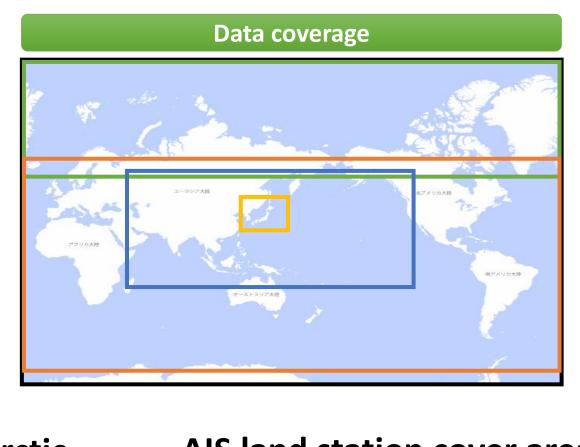




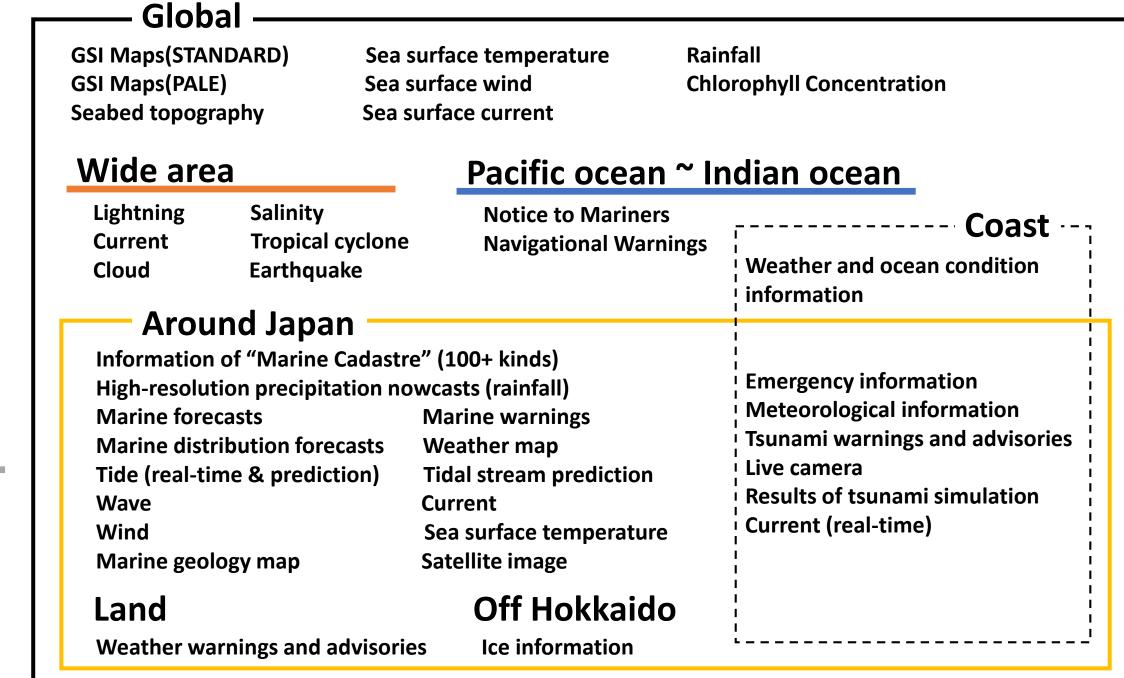
Information items of MSIL

With the cooperation of related ministries and agencies, MSIL will cover wide range of information including real-time or near real-time information such as sea surface temperature, surface current, sea wave, ice condition, weather map (current & forecast), meteorological satellite imagery and navigational warnings in addition to Marine Cadastre's 100+ kinds of static information.

Kinds of information and data coverage (under consideration)







Schedule and future work

Schedule of development and operation

- Apr. Dec., 2018 Development of application
- Jan. Mar., 2019 Construction and test operation
- 2019 spring
 Start of formal operation

Future work

- Add new information to meet users' needs
- Add new functions to meet users' needs
- •Expand cooperation of related ministries and agencies, foreign organizations and international organizations.