


# Realize "Valuable Vessels" by weather and Ocean data!!

vol.1 -Introduction

**POLARIS**


Precise  
Ocean  
data  
LibrARy  
and  
Intelligent  
Service





In recent years, the maritime industry is vigorously working on IoT and AI for ships. They are developing ship-land communications and navigation data collection technologies.

Through these efforts, it has become possible to improve operational efficiency and visualize onboard operations.



POLARIS service of Japan Weather Association can provide it.

HOWEVER



POLARIS  
Project Manager  
Dr. Matsuura

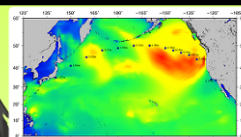
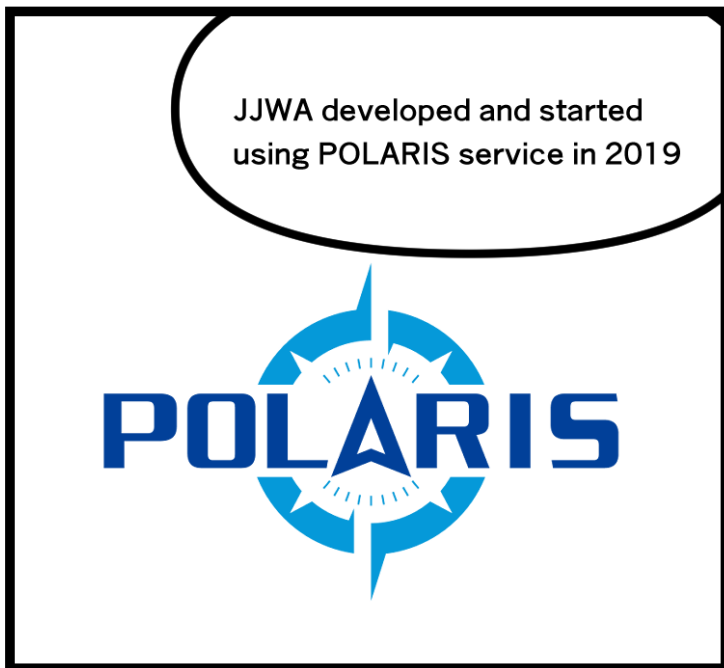
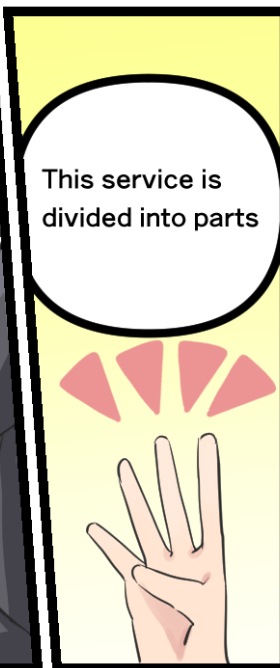
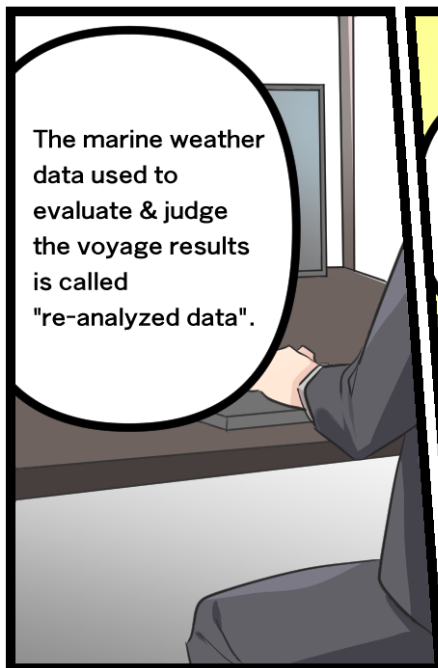


WHAT IS THAT ...?

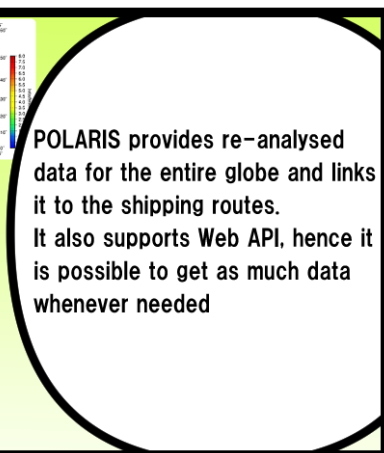
Ms. Sato

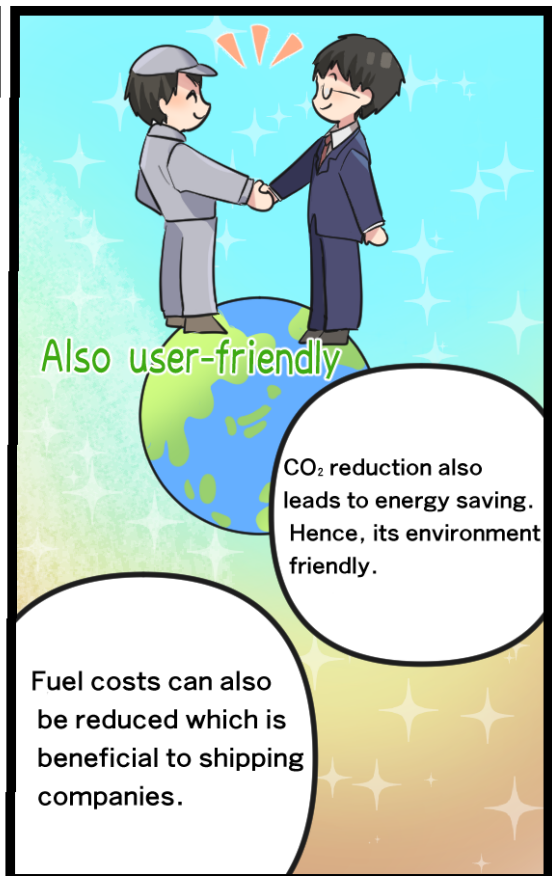
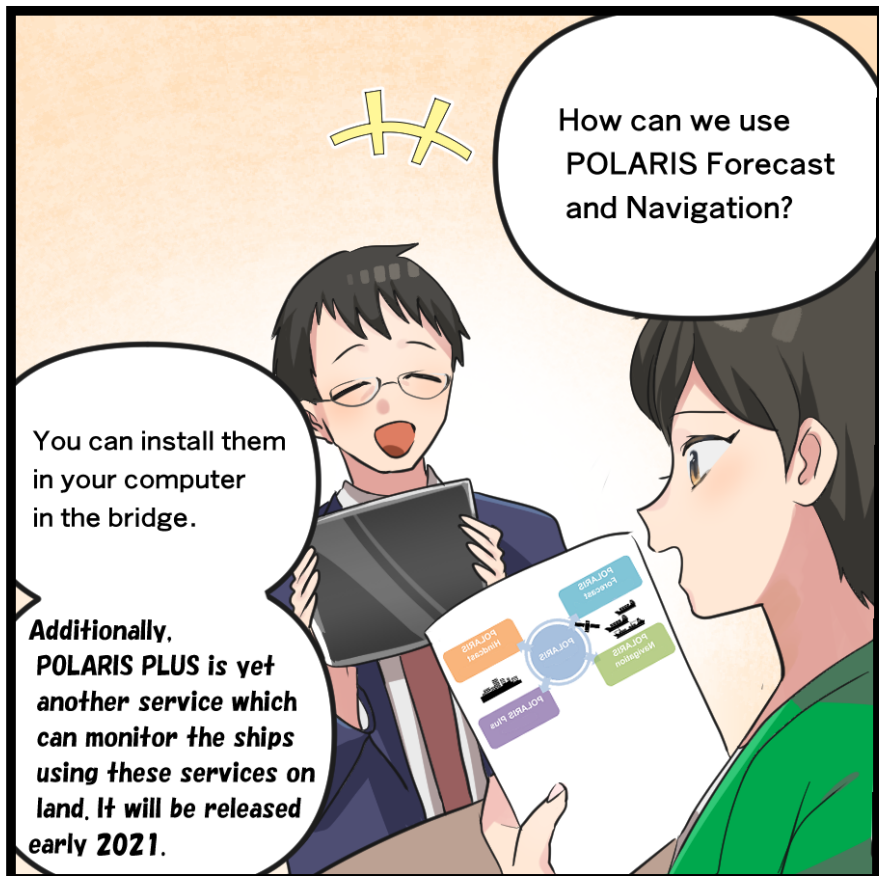
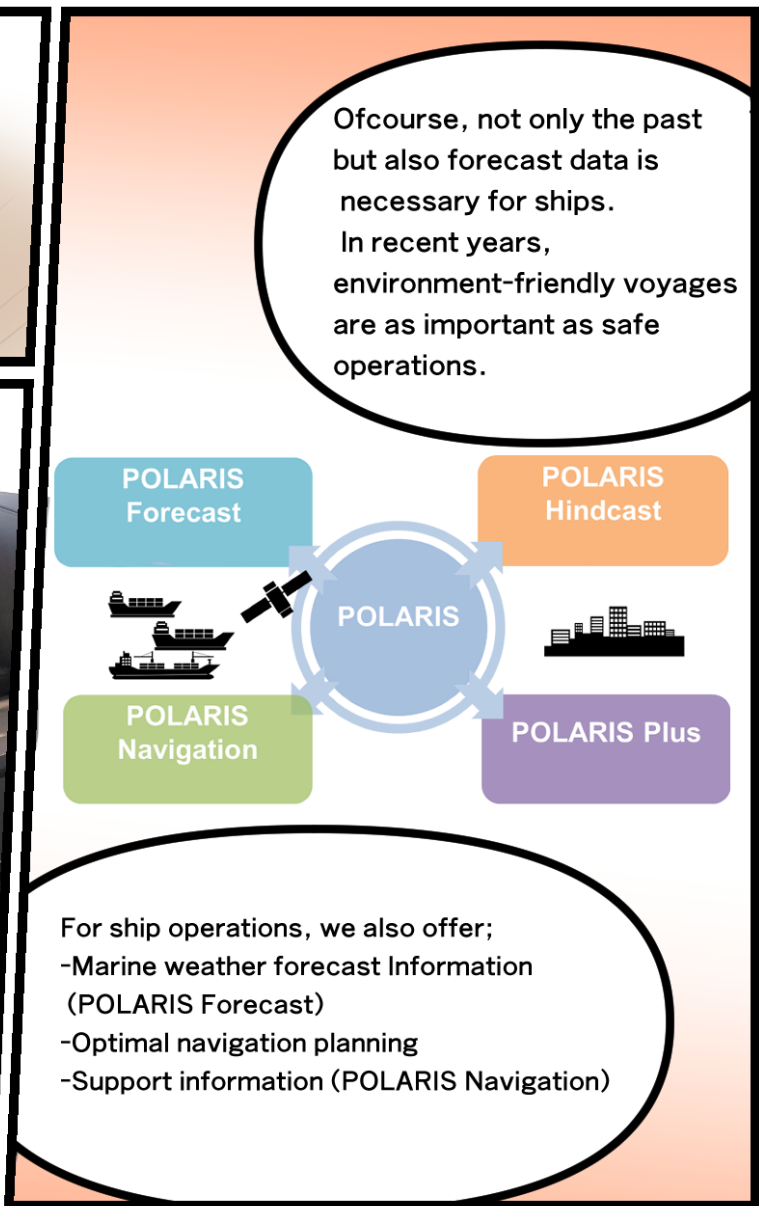
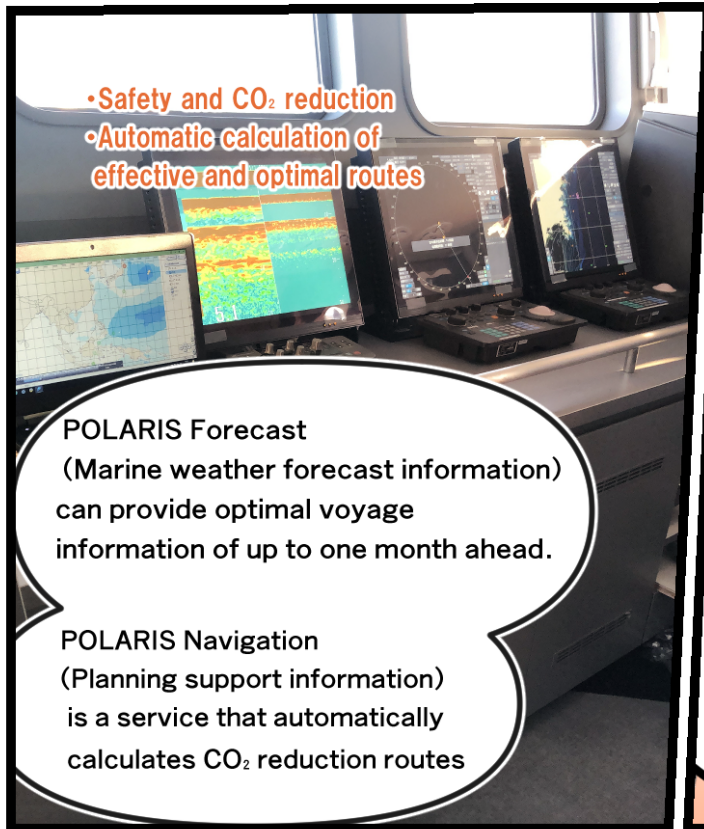
It requires high-quality marine weather data to evaluate actual voyage results, but this is currently difficult to obtain.





Re-analyzed Data







“Please make me an introduction”

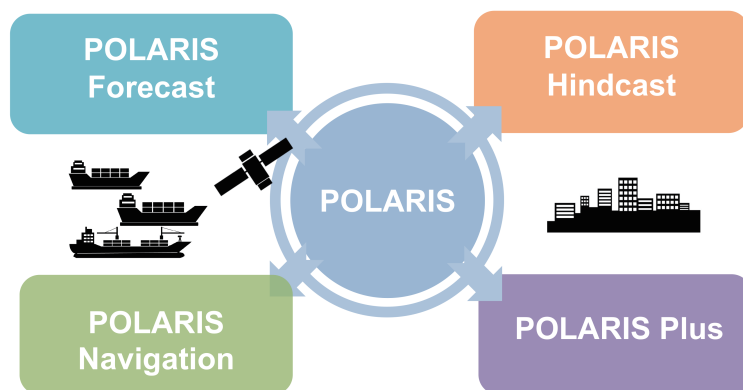
**POLARIS**

Precise Ocean data LibrARy and Intelligent Service

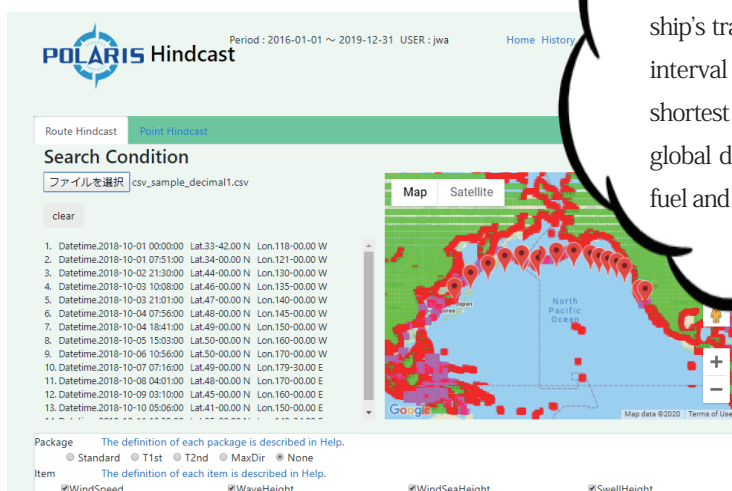
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## “SERVICE MENU of POLARIS”



### POLARIS Hindcast What is “Re-analysis data” ?



POLARIS Hindcast provides various kinds of weather and ocean data associated by the ship's track via Web API. The minimum time interval of this data is 10 minutes, and the shortest distance interval is about 20m. This global data could contribute to improve the fuel and operational efficiency of vessels.

**Dr. Matsuura,**  
Japan Weather Association



**Precise Ocean data LibrARy and Intelligent Service**



\*Please find  
"POLARIS" services"  
at the JWA website.

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