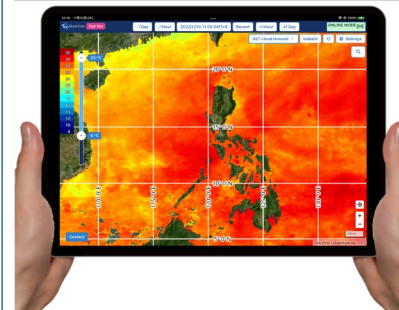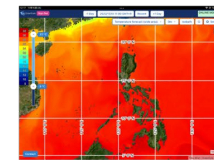# Fishery Support SaaS 『FNAVI Pro』

A cloud service that delivers satellite data and forecast information to assist fishermen in determining optimal fishing locations.
AI processes satellite sea surface temperature data, which is sensitive to cloud interference, to estimate temperatures beneath clouds.
Access to subsea temperatures, currents, and forecast data up to several days in advance—beyond what satellite data alone can provide.
The system learns to understand fishermen's behavior in locating fishing grounds, predicting potential fishing locations (optional).
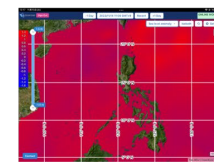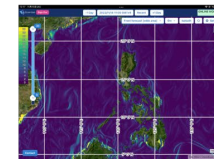
Company name	**Ocean Eyes Co., Ltd.**
Service Overview	**Integrated Solution with Satellite, Ocean Simulation, and Deep Learning** • In addition to satellite ocean environment observation data, the system provides forecasts of future ocean conditions and fishing grounds to meet the needs of users who are concerned about global ocean weather fluctuations and changes in fishing grounds. The data can be used anytime and anywhere via a browser on a tablet or PC, as long as the vessel has access to an Internet connection. **Forecasting the marine conditions using a proprietary high-resolution model** • The latest data on seawater temperature and current velocity, which are important for determining fishing grounds, are available 365 days a year. • As one of the few private companies in the world that independently develops and operates oceanographic numerical models, we are able to respond to requests for spatial resolution of forecast data, target depths, etc. in detail. • We also provide "Cloudless Sea Surface Temperature," which estimates temperatures below clouds using image restoration technology based on deep learning from images taken by the Himawari meteorological satellite. We also cover a wide range of satellite data required for predicting fishing grounds in the southern ocean, such as sea surface altitude and chlorophyll concentration. **Deep learning for predicting potential fishing grounds (optional)** • For fishermen who need to predict potential fishing grounds, such as fishing ground fluctuations due to climate change or inexperience due to new employment, we provide distribution maps of potential fishing grounds. • We are highly regarded for our technological capabilities in the field of potential fishing ground prediction, including joint research with the Japan Fisheries Research and Education Agency on a fishing ground formation model. • In Indonesia, some fishing companies are now making full use of our AI fishing ground forecasts to achieve successful results, and we are also highly regarded in the fishing industry.
User	**Fishery, Government, R&D, Corporations**
Satellite	**Himawari, Aqua, and etc.**
URL	**https://oceaneyes.co.jp/fnavipro**

SST satellite → SST cloud removal

Temperature forecast (wide area)

Current forecast (wide area)

Sea level anomaly

Chlorophyll

Front forecast (wide area)