

Discover the future of sustainable fisheries and aquaculture with NextOcean – your gateway to innovative data solutions using the latest satellite technology.

NextOcean serves as an online marketplace, uniting remote sensing organisations committed to delivering precise, verifiable data to support fisheries and aquaculture operations.

Create an account today to access earth observation data, providing valuable insights for better-informed decision-making in your organisation.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.101004362



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Service providers



PML

Plymouth Marine Laboratory



Technical development



TERRADUE

Business development



Alpha users



NEXT OCEAN

CLEAR INSIGHTS INTO
FISHERIES AND AQUACULTURE

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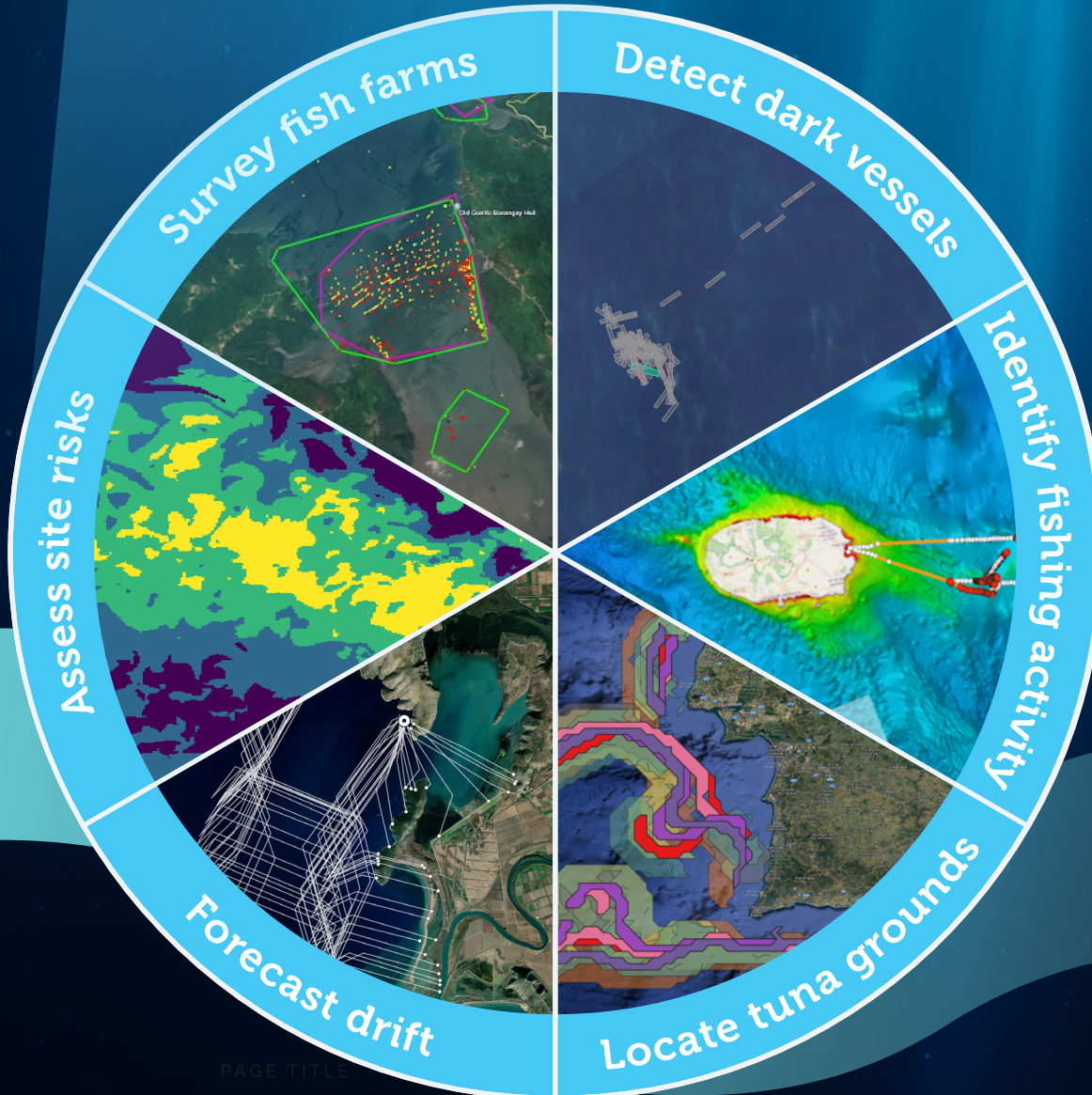
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Earth Observation services for fisheries and aquaculture

NextOcean services empower aquaculture operators, fisheries stakeholders, and regulatory authorities with actionable insights and data-driven solutions for effective management and sustainable utilisation of marine resources:



Site Risk Assessment

- > Analysis of weather and ocean parameters to assess site suitability and risks
- > Provision of forecasts of marine heatwaves to aid in feed planning and risk mitigation

Fish Farm Impacts

- > Environmental impact assessment through simulation of drift and dispersion of litter, such as plastic materials
- > Modelling the trajectory of lost material to understand ecological risks and assist in recovery

Monitoring of Aquaculture Structures

- > Detection of features using SAR and optical sensors for infrastructure monitoring

Fishing Activity Indicator

- > Monitoring vessel behaviour to determine fishing activity
- > Aggregating data to show fishing intensity and patterns

Fisheries Monitoring & Surveillance

- > Automatic detection of suspicious fishing vessels using advanced algorithms

Characterisation of Fishing Areas

- > Identification of ocean fronts and high biological productivity zones for optimal fishing
- > Specialised analytics for identifying tuna aggregations to support sustainable fishing practices

