







Legacy from e-shape

Deimos led the Water showcase, with 7 pilot applications



e-shape's co-design framework allowed for including stakeholders needs in the development process and empowering them as 'co-owners' of the result



Sustainability and communication transversal activities greatly supported different forms of commercial exploitation



DIAS services limitations were not compatible with operational needs, both in terms of coverage and reliability



Difficulty in accessing sensitive proprietary data hinders the accuracy and scalability of applications & services

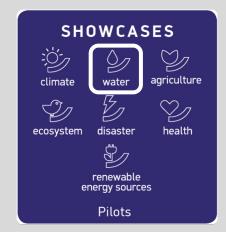
Fishing services developed by Deimos in e-shape were integrated as commercial services within NextOcean





e-shape.eu/ helpdesk.e-shape.eu/

4 years - 37 pilots EU contribution ≈ 15 M€



Showcase 5 - Pilots

Pilot 5.1 | Improved historical water availability & quality information service

Pilot 5.2 | Satellite Earth

Observation-derived water bodies

& floodwater record over Europe

Pilot 5.3 | Dive - Diver Information

on Visibility in Europe

Pilot 5.4 | Sargassum detection for seasonal planning

Pilot 5.5 | Monitoring fishing activity

Pilot 5.6 | EO based phytoplankton

biomass for WFD reporting

Pilot 5.7 Rheticus® AquaculturePlus



The e-shape project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 820852



Service Providers









Technical Integration





Business Development



Alpha Users





NextOcean is working to co-develop a suite of Earth observation based services for sustainable fisheries and aquaculture.

Services will enable valuable insights into the performance and impact of operations to enable informed management decisions

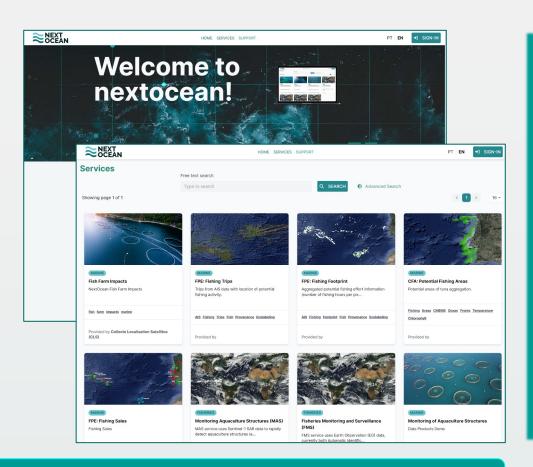




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NextOcean Store & Service Portfolio

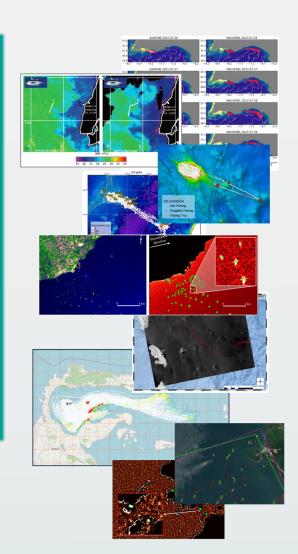


Fisheries:

- Characterisation of Fishing Areas
- Fish Provenance and Ecolabeling
- Fisheries Monitoring & Surveillance

Aquaculture:

- Monitoring of Aquaculture Structures
- Site Risk Assessment
- Fish Farm Impacts



https://nextocean.services4eo.com



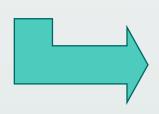
Value proposition

For the **consumers**:

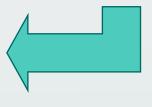
A user-friendly one-stop-shop for quick access to a range of accurate, high resolution, up-to-date and competitively priced individual and bundled EO services with proven success in fishing and aquaculture.

For the service providers:

To provide a simple, automated platform, with low operating and sales costs, for selling individual or bundled EO services in fishing and aquaculture, reaching new customers globally.









Key Methods & Tools

Co-design with users



EO exploitation platforms



Value Creation Wheel



Main challenges

- Technical framework
 - EO limitations (resolution, revisit time)
 - 24/7 operations in cloud infrastructure
 - help desk support







Main challenges

- Technical framework
- Define business model and refine value proposition
 - target customers
 - legal framework
 - cost & pricing models



Main challenges

- Technical framework
- Define business model and refine value proposition
- Bridge the "gap" between potential buyers and service providers
 - use cases definition
 - co-design methods
 - market segmentation & funding options
 - service customisation









