

27th September 2023 | WWF EPO Office, Brussels

1st Fish-X Conference

Digital solutions for SSF developed by the Fish-X project

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EU-project no.: 101060879



Co-funded by
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Small-Scale Fisheries: Too big to be ignored

- About 75% of active EU fishing vessels
- Approx. 48% of employment
- Responsible for ca. 23% of total catch
- Source of traditional ecological knowledge
- Lack of data on SSF

Source: Lopes, 2022

Photo: Camila Prisco Paraiso

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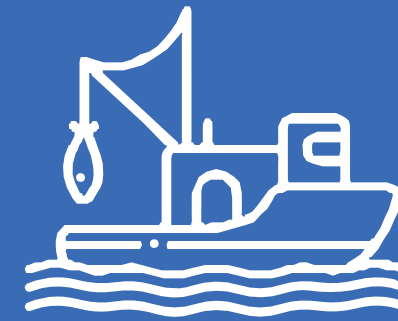


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SSF in the Focus: Overview of the Current Status



Revised Control Regulation



vessel tracking, electronic
catch reporting for all by 2030



Traceability (EU CATCH IT):
vessel identifier, catching
method and catch area



Importance of Collaboration

Due to the role of SSF in EU Fisheries:

- SSF need to be actively involved in the implementation process / transition time
- SSF to be treated as partners
- Voices of SSF to be heard



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Challenges and Opportunities of Digitalisation



Digitalisation of EU SSF



Opportunities

Resource Management

Traceability and Compliance

Improved Stock Assessment

Ecosystem Monitoring

Fair Economic returns

Escape IUU Stigmatization

Be part of policy-making

Safeguard their fishing areas



Challenges

Data management

Data Protection

Collection and Sharing fisheries data

Lack of regulatory clarity

Transition time for new technologies

Aging community



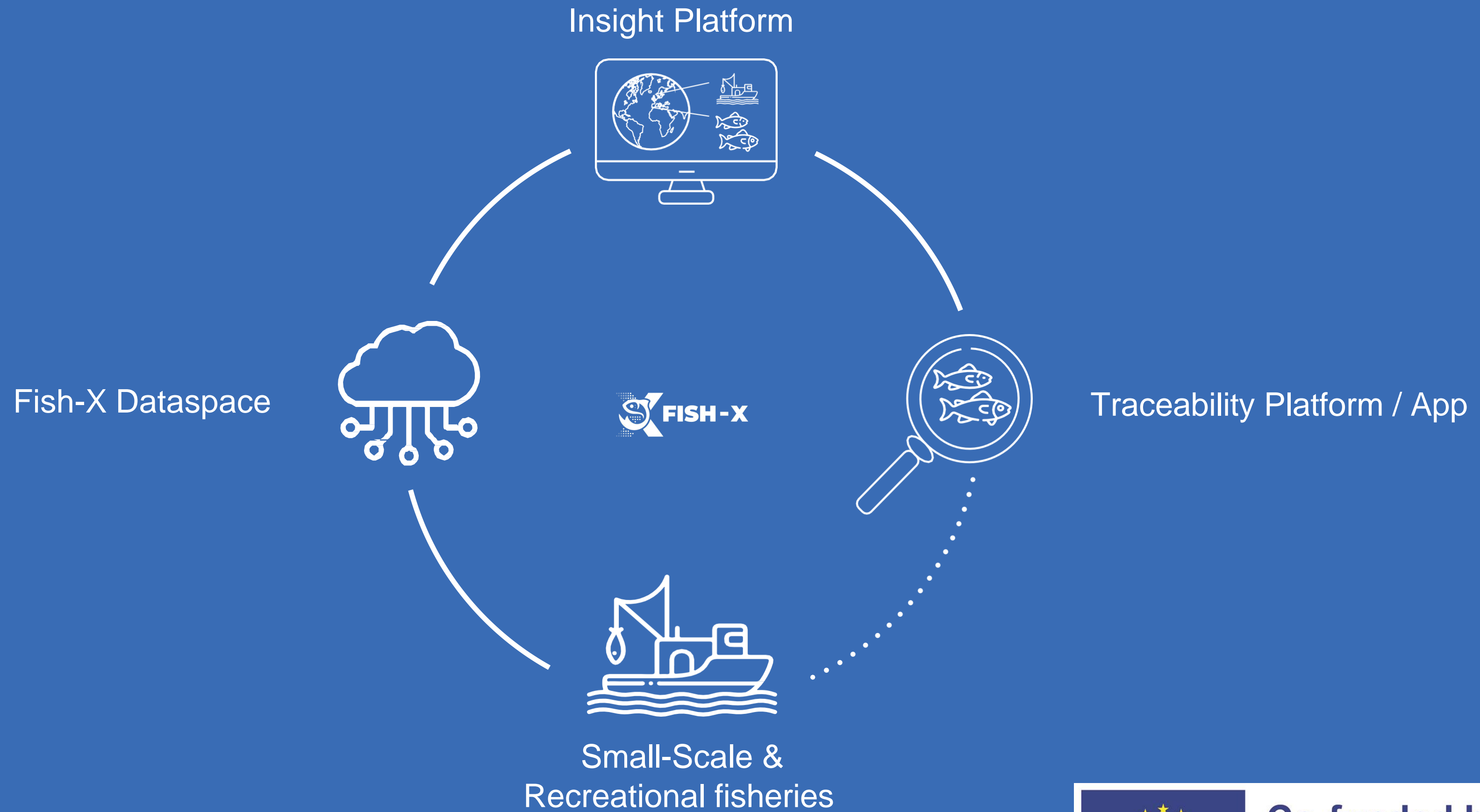
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How does Fish-X help in overcoming these challenges and leveraging new opportunities?



FISH-X in a Nutshell:

What we do?



Project timeline:
06/22 - 05/25
(36 months)



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Fish-X in a Nutshell

How we do it?

Use Cases

Duration: August 2023 till May 2025

Baltic Sea:

Bay of Kiel / Fehmarn, Germany

Mediterranean Coast:

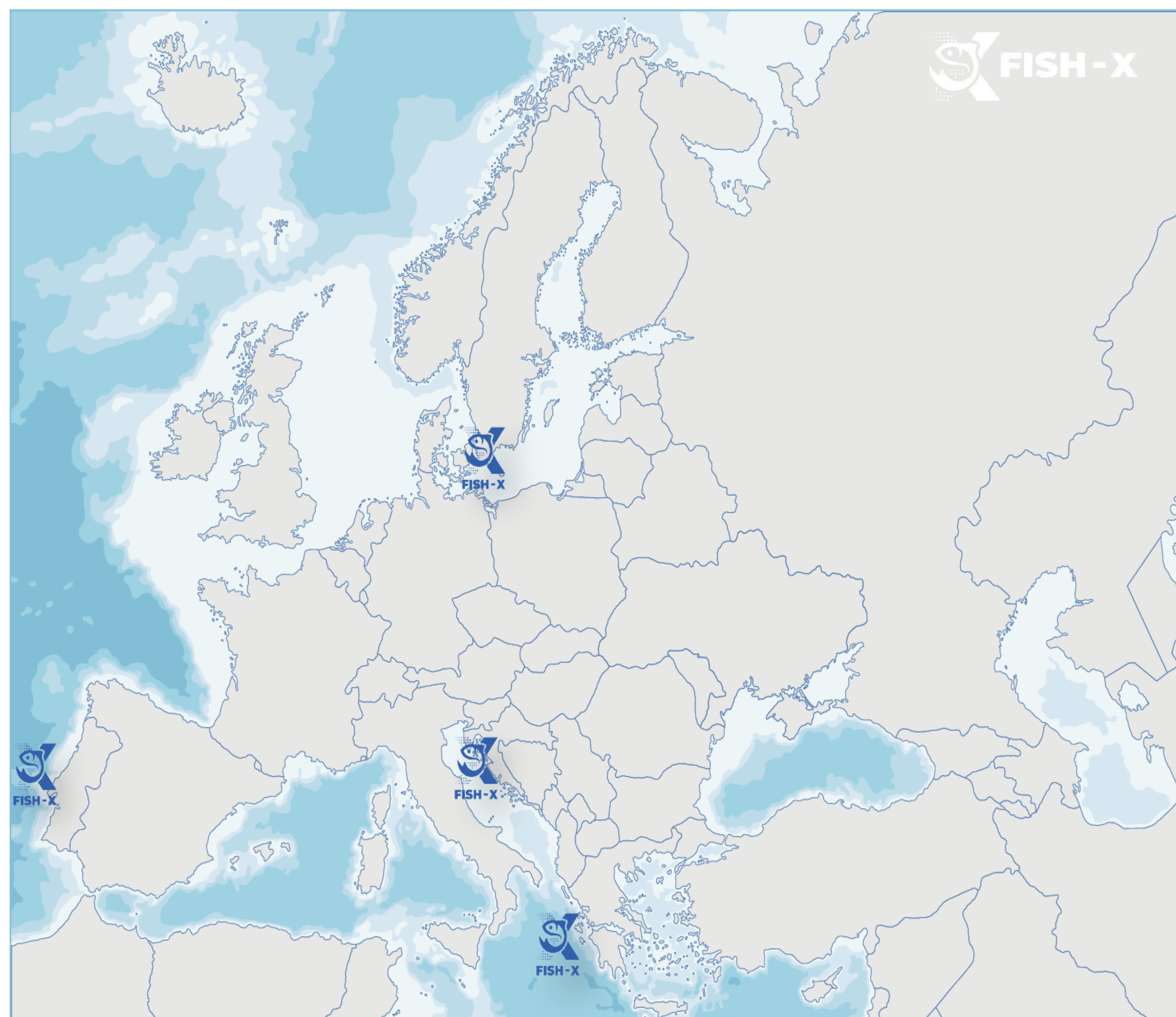
Adriatic sea, Croatia

Atlantic Coast:

Portugal

Greece:

Post Processing of Starfish Project



PORTUGAL



Fisheries Industry Roadmap

with Policy Recommendations



Objective: Support a just digital transition of SSF in the EU by 2023

Method: Consultative approach with key actors

Status: Preliminary version published

Next steps: comprehensive analysis & synthesis to expand and refine preliminary version



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SCIAENA
Oceans # Conservation # Awareness



EUTECH



north.io

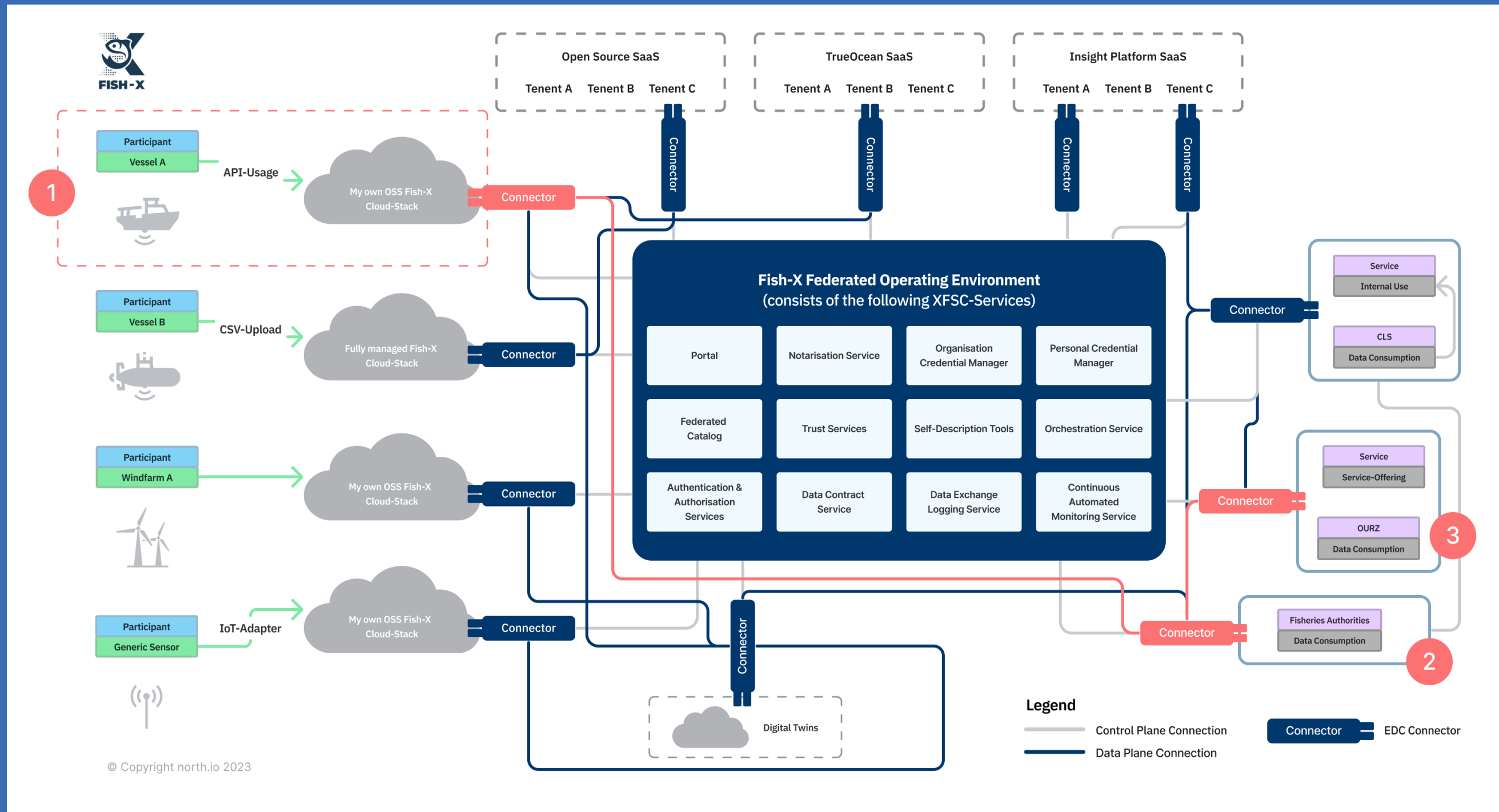
www.fish-x.eu | info@fish-x.eu

*„We believe in
a common responsibility to
foster sustainable fisheries and
marine biodiversity.“*



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Fish-X Dataspace

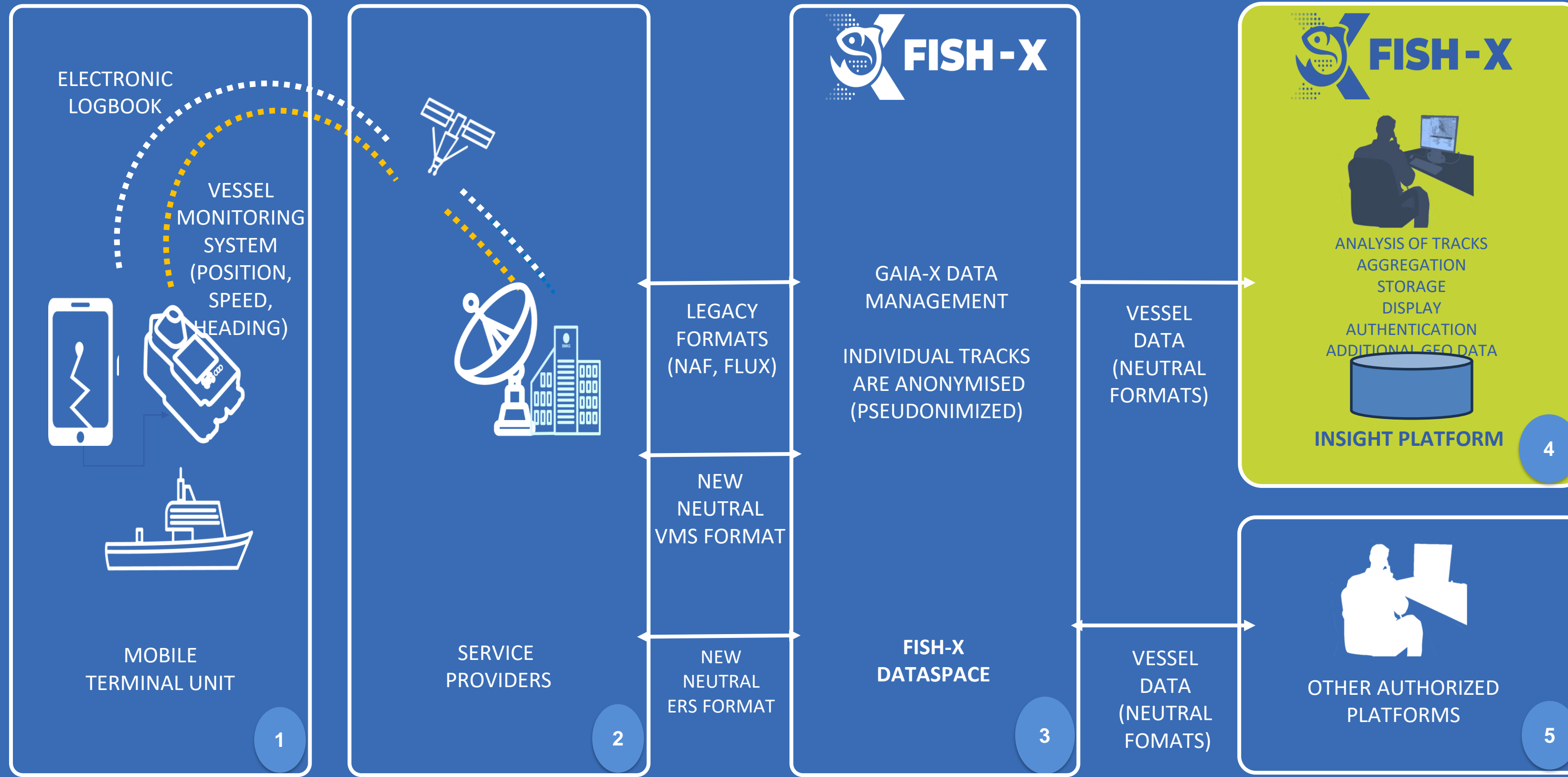


Key Features:

- Data sovereignty: Protects European data within borders
- Interoperability: Standardized data sharing and exchange
- Transparency: Promotes trust and compliance
- Portability: Easy data and app movement
- Secure sharing: Robust data protection measures

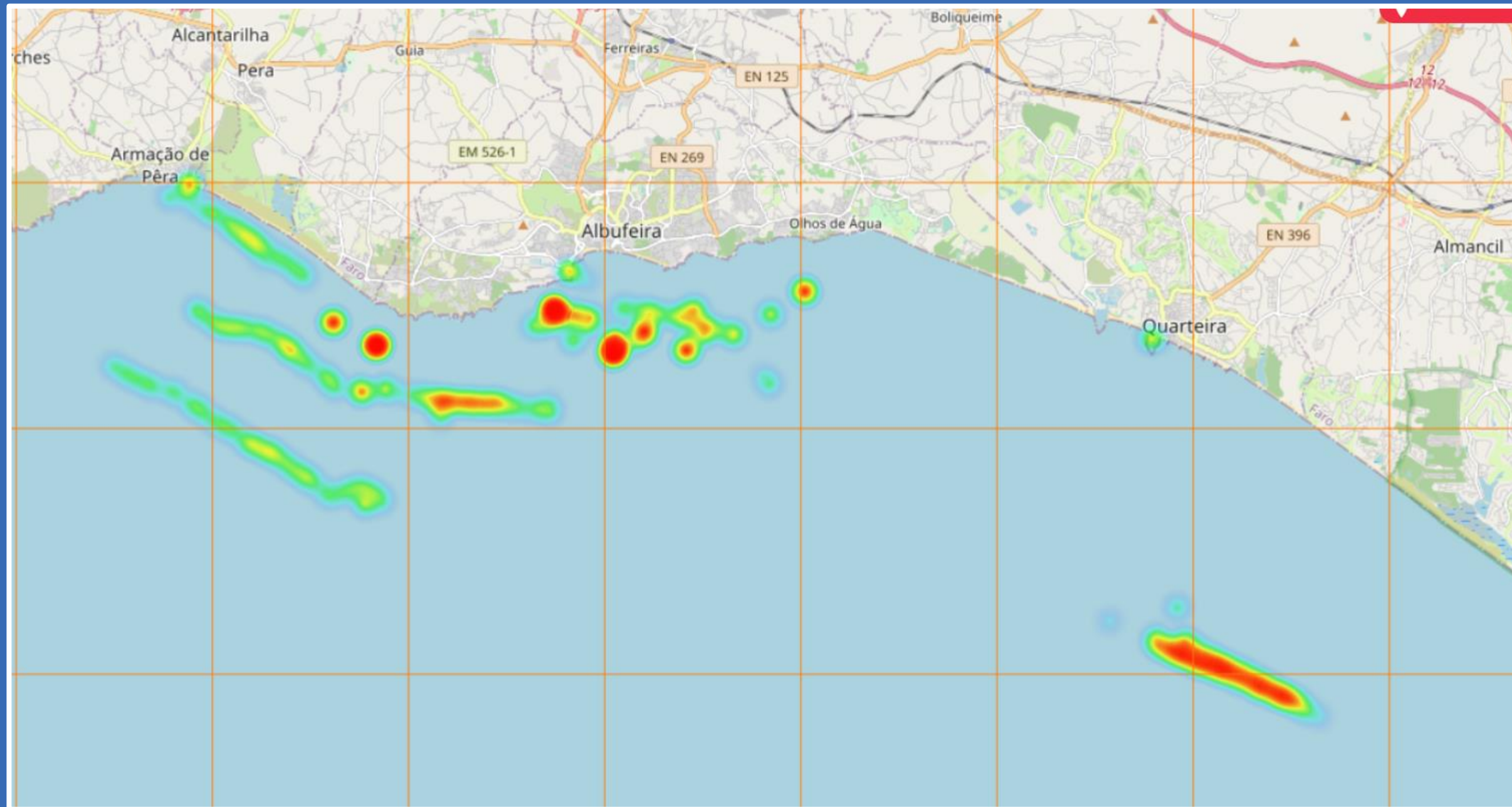
Insight Platform

Mapping application using the dataspace as a source



Insight Platform

Map view



Key Features:

- Display SSF activities
- Not only institutional users, also open for fishers' commercial apps
- Display anonymised and aggregated data, not vessel tracks (e.g. cumulated fishing time per area)
- Indicators to be defined (co-design)
- Sources: VMS, logbook, AIS

Example of aggregated VMS data (demo)

- Colours indicate cumulated fishing hours
- Estimation of fishing / not fishing status produced before aggregation

Traceability

Platform

- Effective batch traceability & storytelling
- Impact metrics
- Consumer insights
- Risk & compliance management

App

- Intuitive & easy-to-use interface
- Holistic experience of the product journey
- Detailed product insights
- Brand / producer interaction

