

# CLS in Fish-X project

For Earth, from Space

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# CLS 5 Strategic Sectors

#### **ENVIRONMENTAL MONITORING & CLIMATE**



Vision: A **global** company sharing a common **passion**: to design and deploy **space-based solutions** so that we can **understand** and **protect** our planet and **manage its** resources sustainably.

#### SUSTAINABLE FISHERIES MANAGEMENT



#### **ENERGY & MINING**



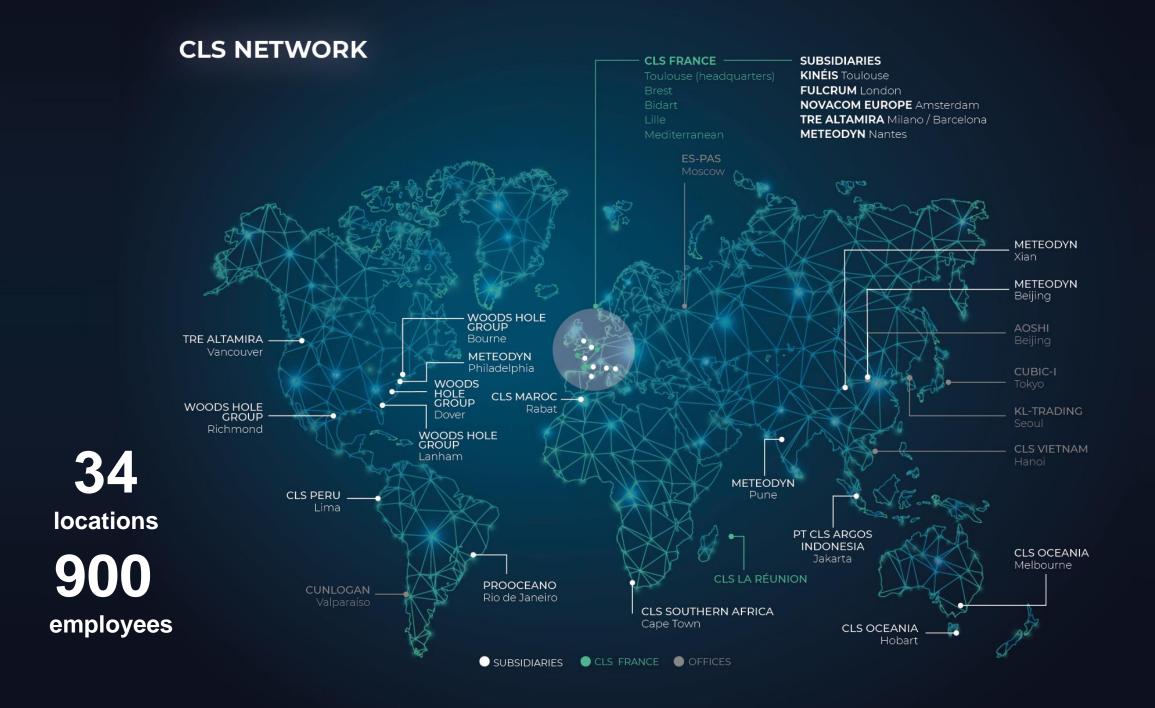
#### MARITIME SAFETY



#### MOBILITY







### **CLS** solutions for fisheries



- + Ensure compliance of fishing industry with national and regional regulations (RFMO's)
- + Used by FAO (GFCM) and DG Mare
- + All ocean presence and compatibility



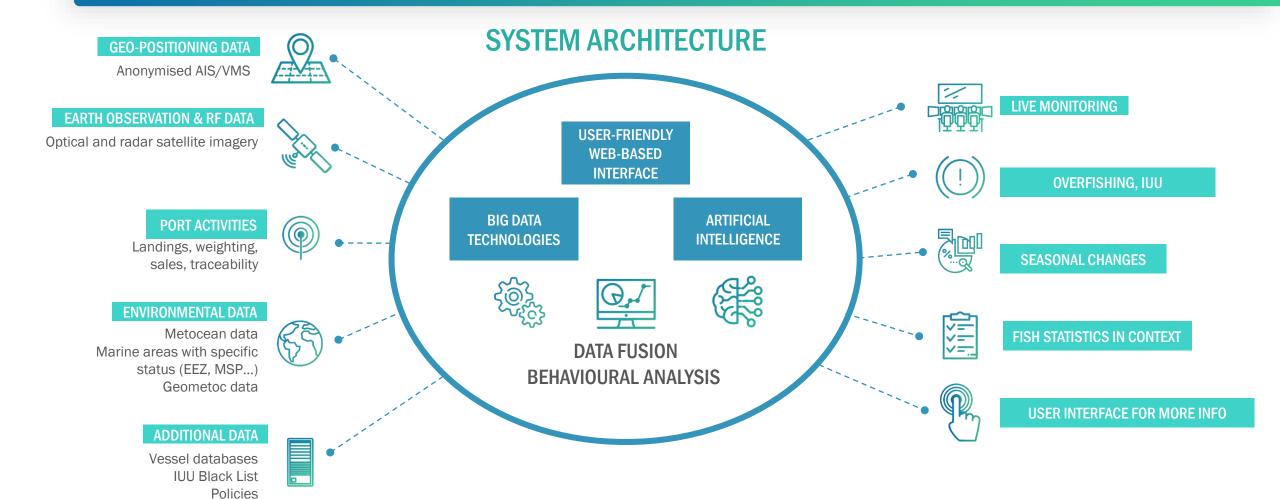
# Fish-X develops the Insight platform

### The online Insight Platform

- Very simple user interface, no long menus, no need for user manual.
- Platform based on marine charts.
- Travel in space: zoom in and out to places of interest
- Travel in time: see how fishing is changing over seasons and years.
- Platform hosting various sources of fisheries data (fishing vessel distribution, fish stock status, others) ready for institutions, science, general audience.
- All data are aggregated to protect fishermen privacy (no vessel name or individual track will be displayed)
- No commercial use.
- Link to other systems: logbooks, landings, first sales, electronic declarations, observer data, traceability data from 3<sup>rd</sup> party systems.
- We are looking for partnerships by European companies and institutions to share data (near realtime or historical data)

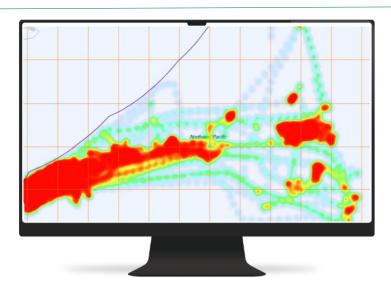


# Fish-X Insight platform architecture





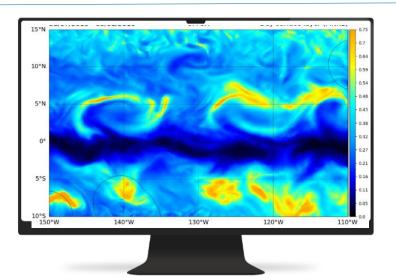
# Fish-X Insight platform data contents



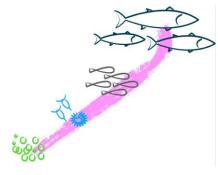
Aggregated fishing effort

## **Examples of contents**

- Vessel tracking data,
- Catch reporting,
- Reports on discards,
- Electronic Monitoring events
- Port operations,
- Monitoring of smallscale, recreational, and longdistance fleet,
- Fishing gear related information (tracking / in-situ data),
- Fish stock contextual data (biomass, level of sustainability)

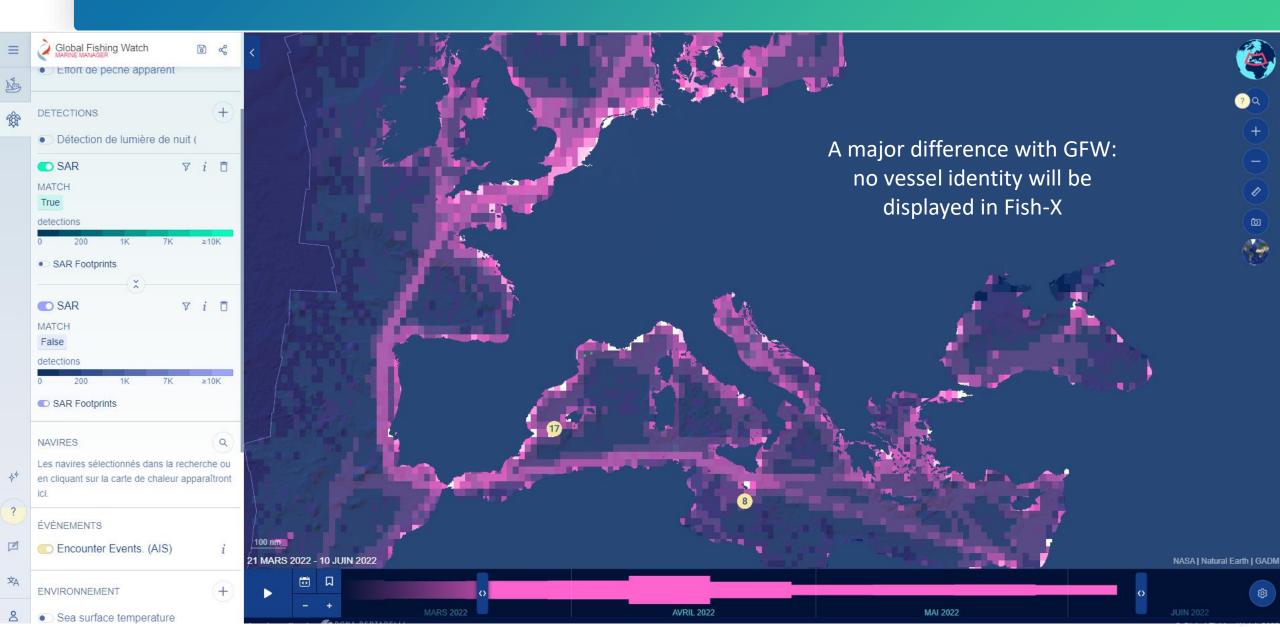


Micronekton maps (food for large pelagic fish)





# Fish-X Insight platform to be benchmarked with **Global Fishing Watch**

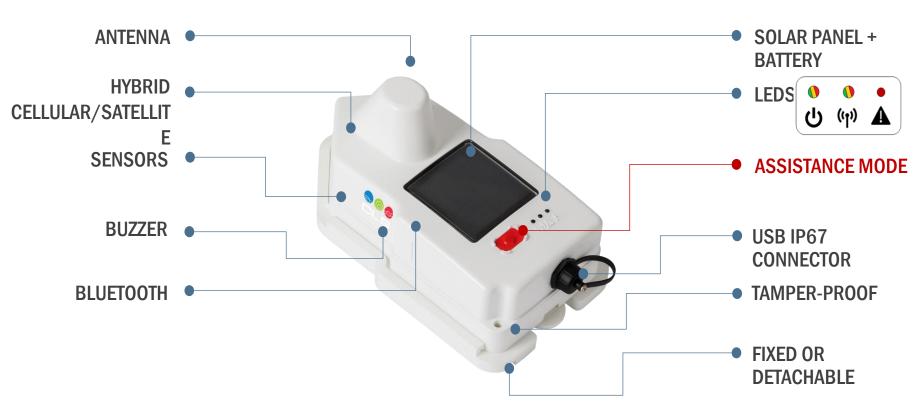


# Initiate demonstrations with small scale fisher groups

Pilot projects with support of WWF and Sciaena in Greece, Croatia, Portugal.











# Thank you for your attention

