



PT02_Aviso3_0009
Projecto Tipo IV – Oil Spill
and Illegal Fishing



EDISOFT - Santa Maria, Azores
National Earth Observation Receiving Ground Station

Type IV Project

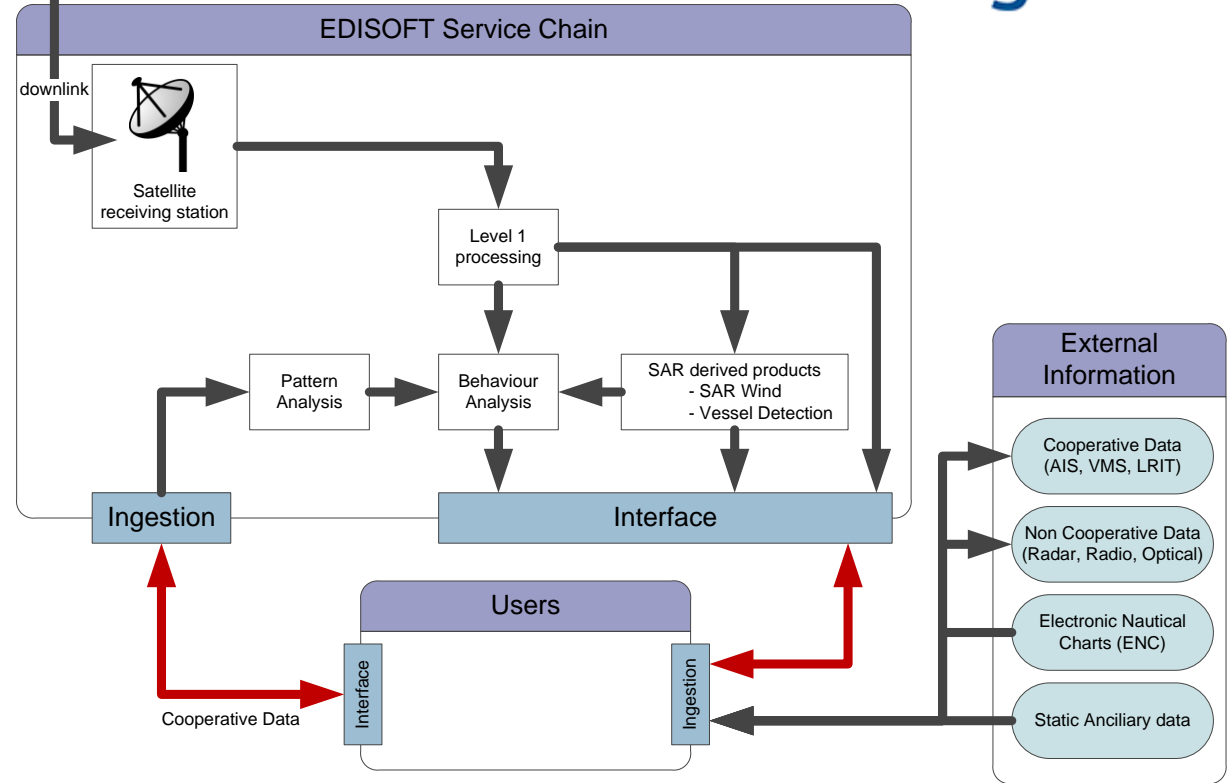
Objective: implementation of a capacity for **early detection of oil spills/discharges** and **illegal fishing activities** in oceanic areas, based on SENTINEL-1 radar imagery.



Synthetic Aperture Radar sensor (SAR)

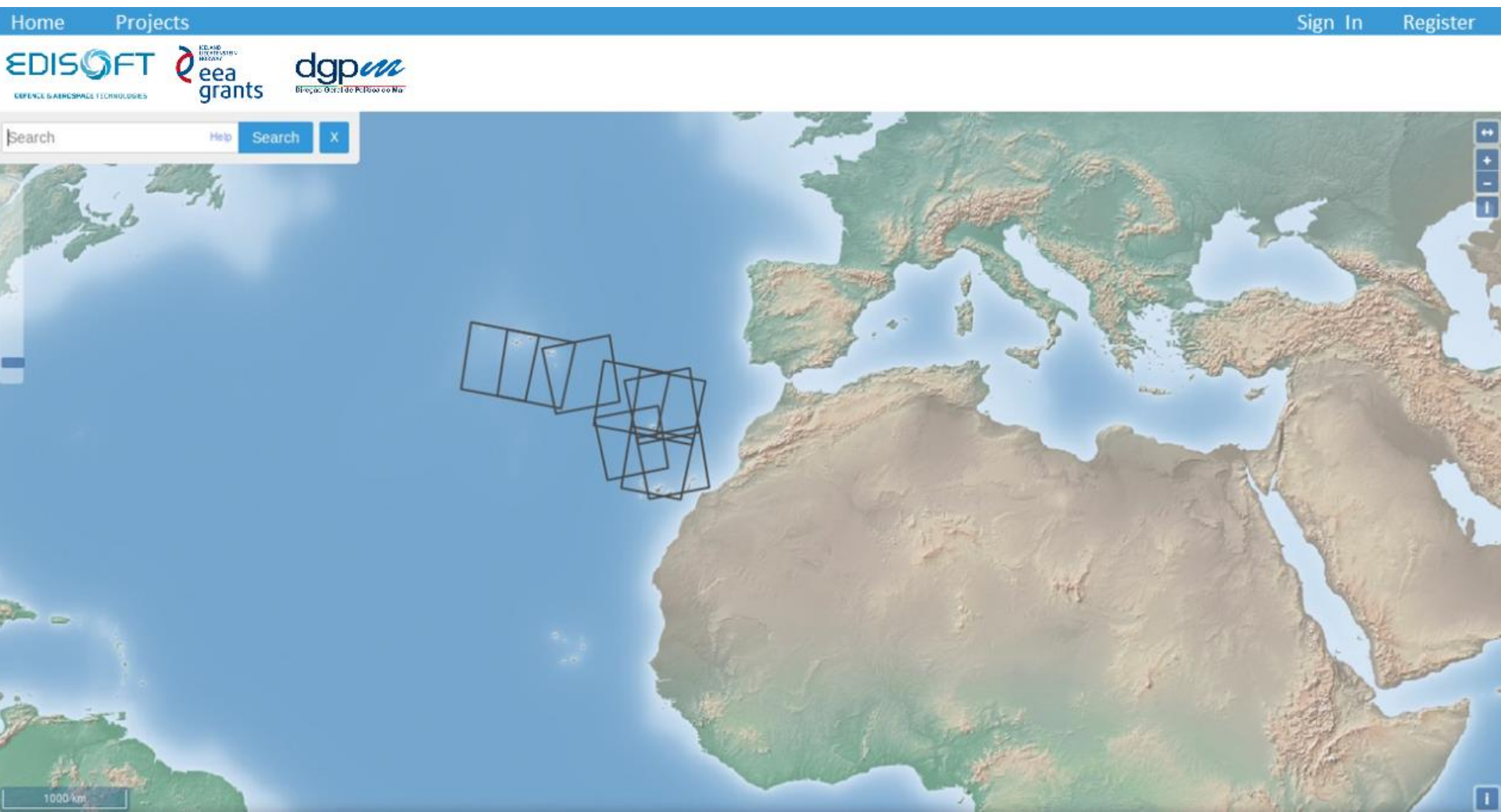
The solution proposed:

- Innovative
- Sustainable
- Scalable
- Distributed Processing Environment
- Cloud Computing
- Virtualization
- 24/7 “Near-Real-Time” operating capability



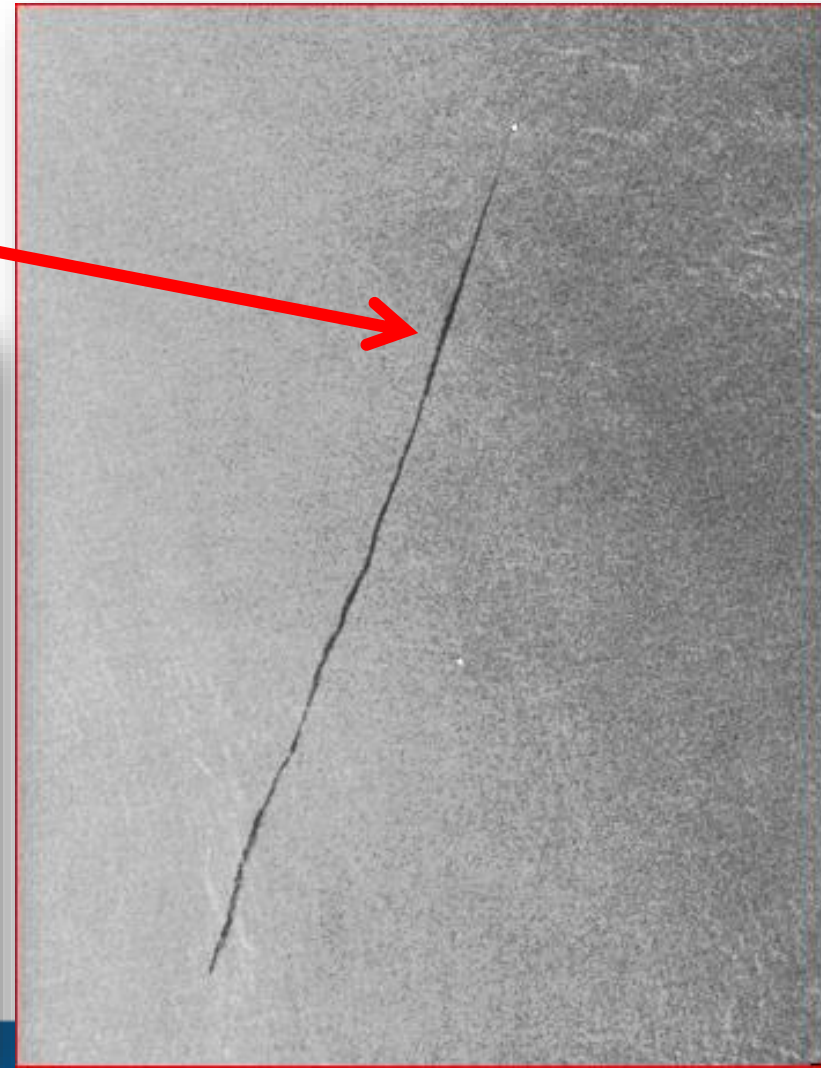
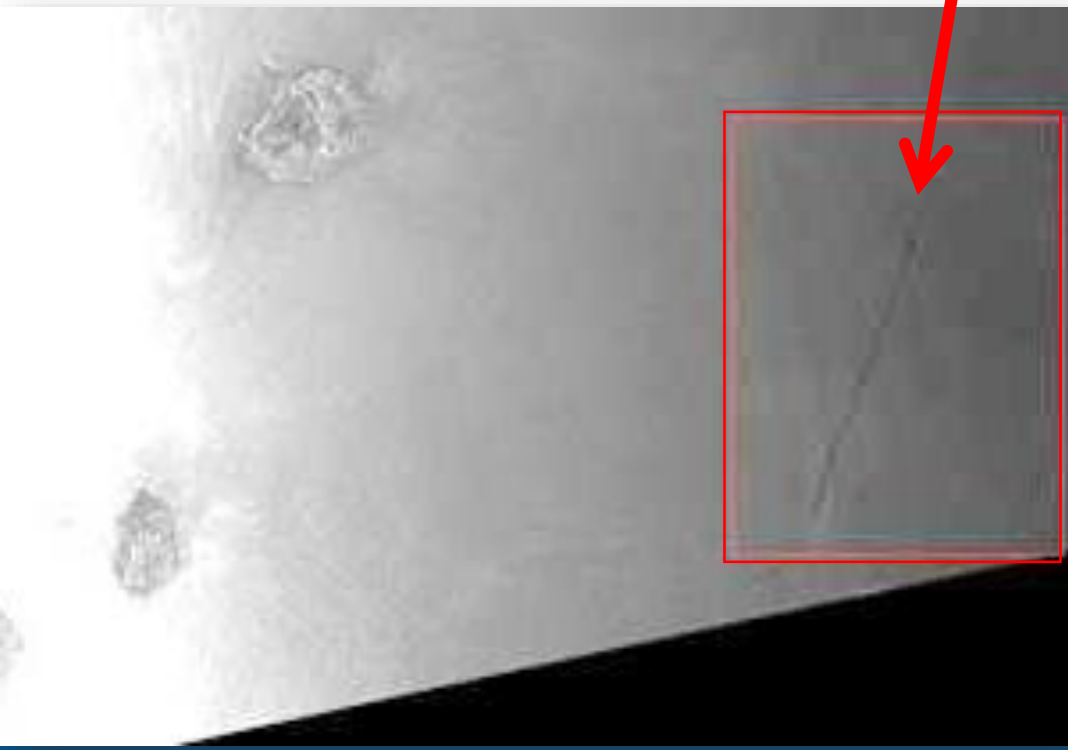
EDISOFT Processing Chain Overview

Example of a web application developed by EDISOFT



Example of an Oil Spill detection by EDISOFT

Oil Spill



Detection of Fishing Ships with Sentinel-1A

- **Fishing Ship (with 24x7m) was detected**
- **Sofia Isabel was identified by AIS**

IMO: -

MMSI: **263407470**

Call Sign: **CULJ7**

Flag: **Portugal (PT)**

AIS Type: **Fishing**

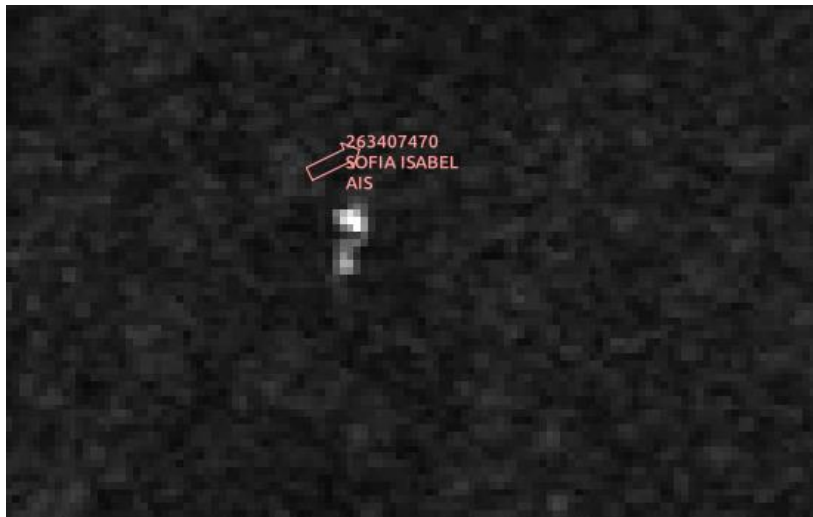
Gross Tonnage: -

Deadweight: -

Length × Breadth: **24m × 7m**

Year Built: -

Status: **Active**



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