

# Copernicus and EU Border Management

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EUROSUR



## Inter-agency cooperation

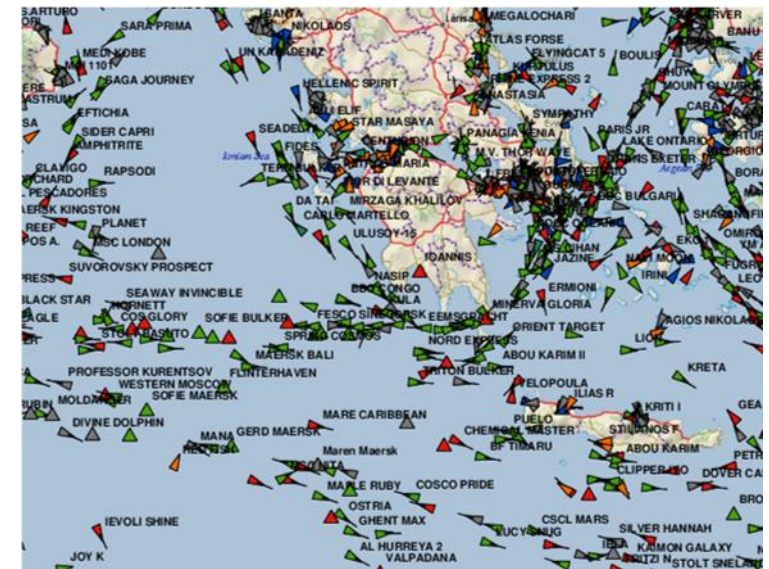
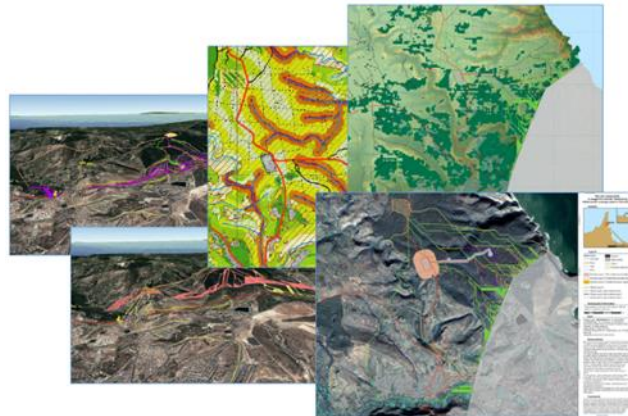
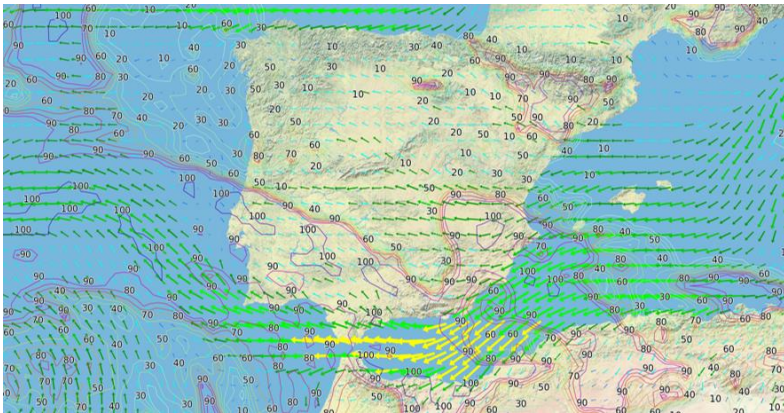


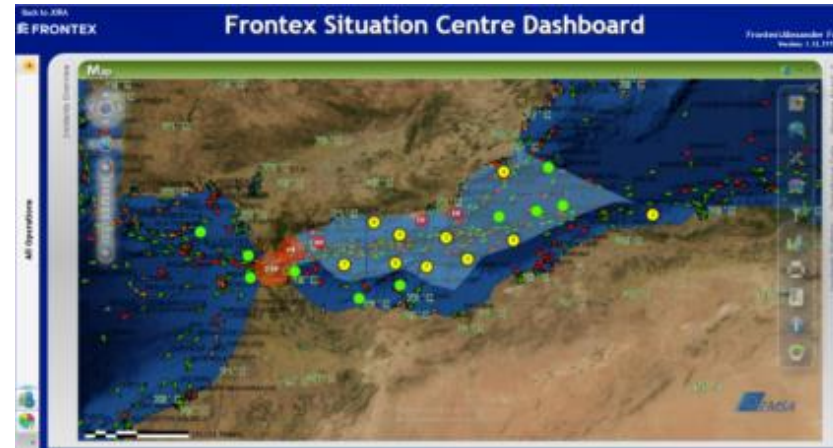
European Union  
Regional Task  
Force in Catania



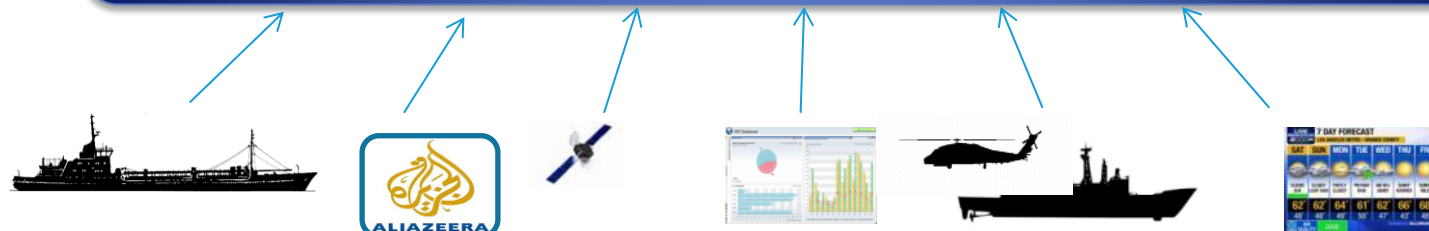
# Copernicus Security Services

- Copernicus - European system for monitoring the Earth
- 6 Copernicus Services: land, marine, atmosphere, climate change, emergency management and security
- 2015: Frontex entrusted entity for the provision of Copernicus Security Services
- Copernicus makes a significant contribution to security needs of the EU





# EUROSUR Fusion Services





**EU Interagency Cooperation**



**SatCen**



**Copernicus**

Commercial  
Supplier



# Frontex Copernicus Security Services I

Services delivery in the framework of Eurosur Fusion Services (EFS). Delivery of following border surveillance services:

- S1 - Coastal Monitoring
- S2 - Pre-frontier Monitoring
- S3 - Reference Mapping
- S4 - Surveillance of Maritime Areas of Interest
- S5 - Vessel Detection
- S6 - Vessel Tracking and Reporting
- S7 - Vessel Anomaly Detection
- S8 - Environmental Information



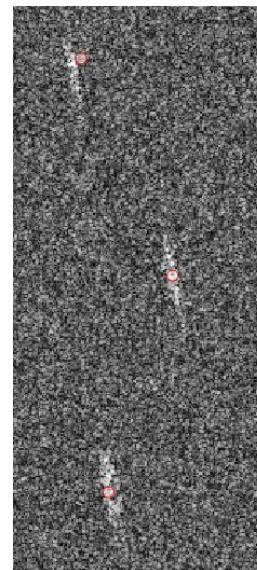
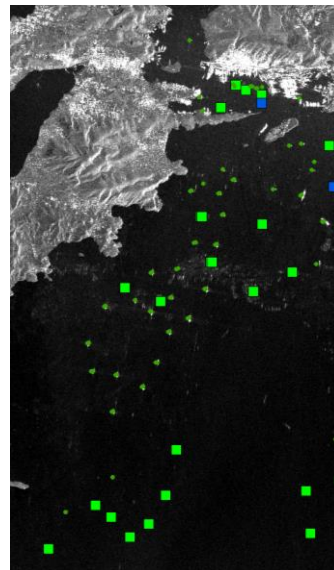
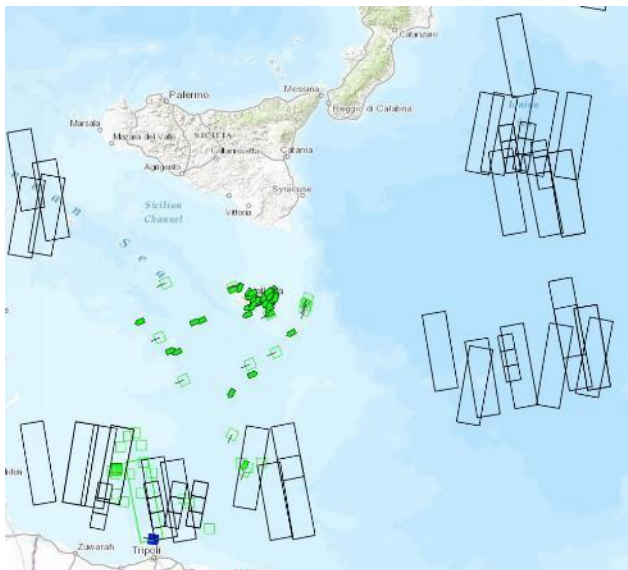
# Copernicus and Frontex activities

- Copernicus/EFS use of optical and radar satellites
- Copernicus complementary to other Frontex services
- Multipurpose aerial Surveillance - real-time, direct stream



# Vessel Detection

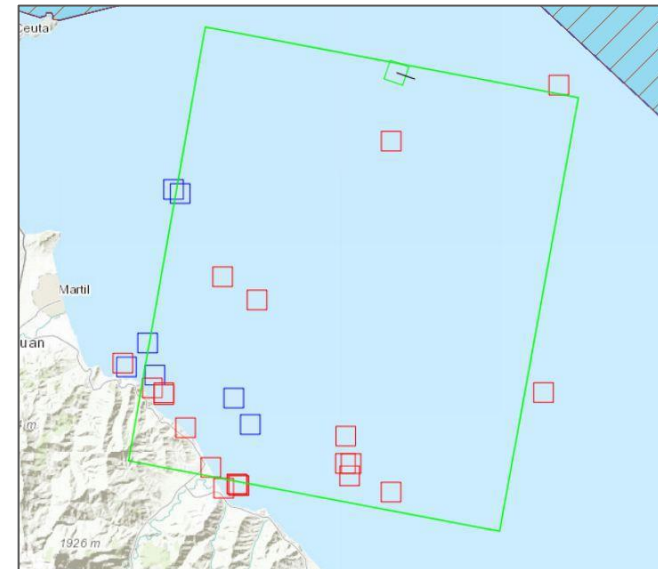
- Satellite radar scans of maritime areas detecting objects on the sea
- Correlation with ship reporting data
- Notification on unidentified objects, even small boats





# Saving lives

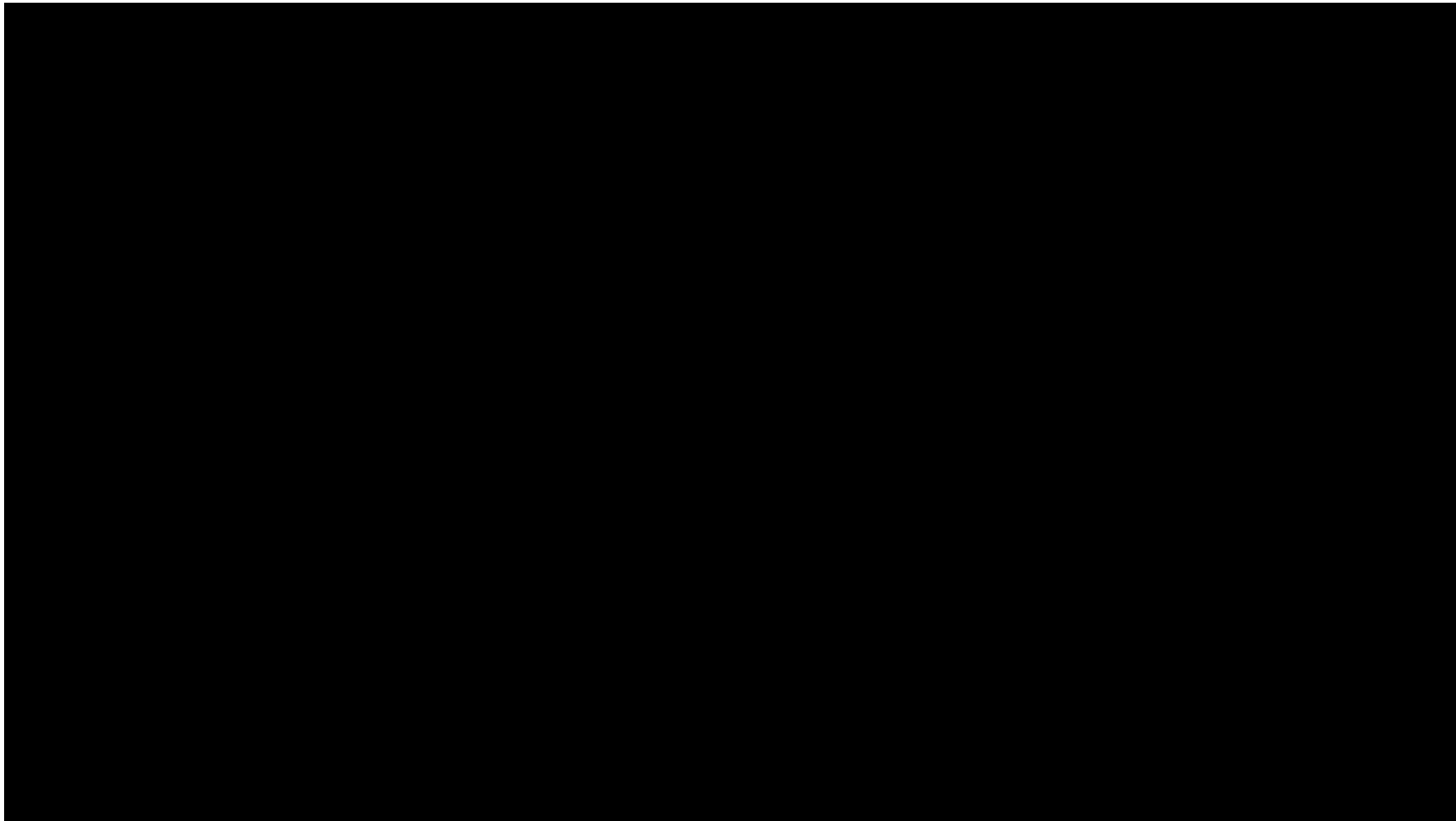
- Hundreds of people saved thanks to Vessel Detection Service



# Fighting cross-border crime

- Vessels smuggling drugs, ammunition and cigarettes intercepted after being tracked by Eurosur Fusion Services





THANK YOU FOR YOUR ATTENTION

