

## VESSELS MONITORING AND TRACKING

- Last vessel positions reported
- Filter options for individual data sources (LRIT, AIS, etc.)
- Historical track for individual vessels

## VESSEL DETECTION SERVICE

- Satellite radar detection of vessels over sea areas of interest
- Correlation with vessels tracks
- Highlighting small unidentified boats

## ANOMALY DETECTION SERVICE

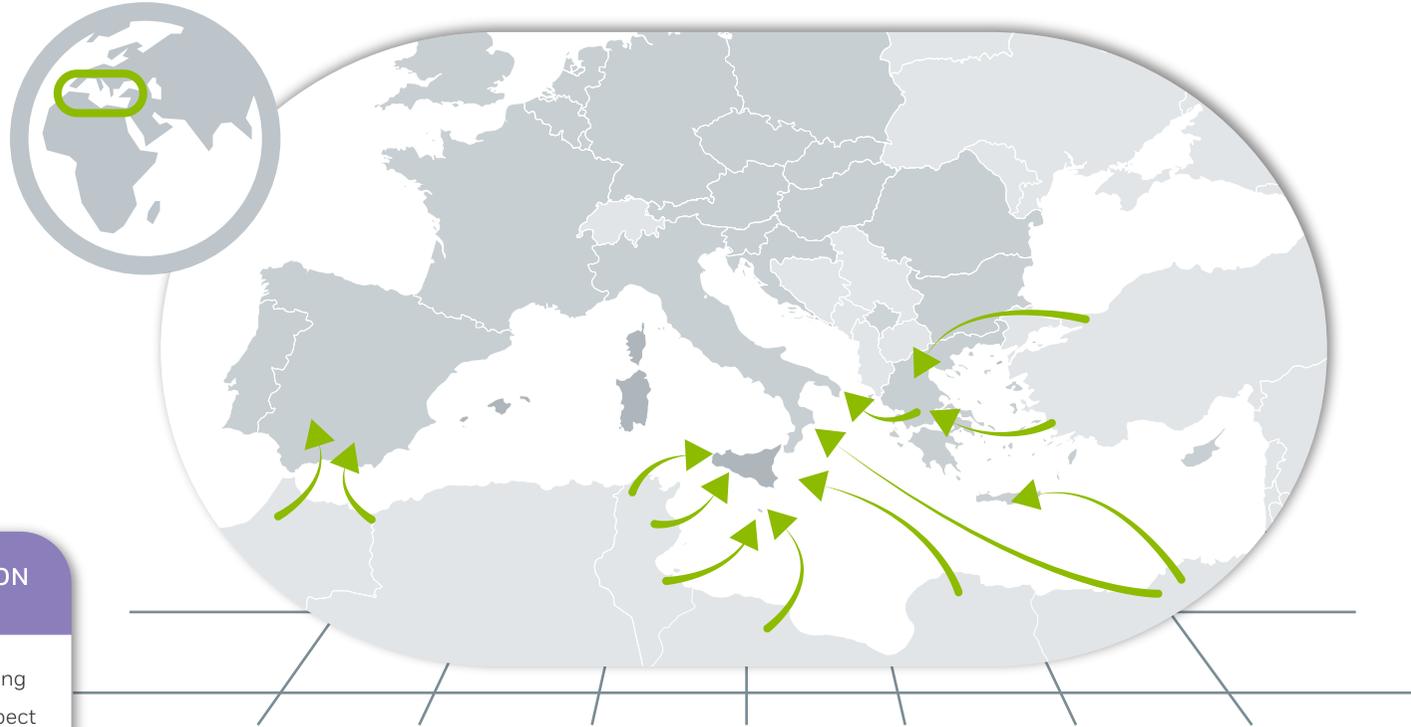
- Vessel behaviour monitoring
- Alert notifications for suspect behaviour
- Advanced anomaly detection algorithms

## ACTIVITY DETECTION SERVICE

- Optical high resolution monitoring
- Activity detection over shore, ports or sea areas

## VESSEL REPORTING SERVICE

- Regular reporting on vessels of interest
- Intelligence driven approach for monitoring potentially suspicious behaviour



**5** EMSA SERVICES TO FRONTEX UNDER THE INTERAGENCY SERVICE LEVEL AGREEMENT



### BIG VESSEL CASE SCENARIO

300 GT vessels and above  
Ships reporting position data via LRIT, AIS, etc.



### SMALL VESSEL CASE SCENARIO

15 metres in length and below  
Boats not reporting position data

✓ MONITORING SERVICES FOR CROSS-BORDER CRIME (SMUGGLING MIGRANTS, WEAPONS, TOBACCO, DRUGS)

✓ TRACKING OF PARTICULAR VESSELS OF INTEREST

✓ IDENTIFYING BEHAVIOURAL PATTERNS OF UNLAWFUL ACTS AT SEA

✓ EARLY WARNING DETECTION SERVICE BY SATELLITE RADAR FOR SMALL UNIDENTIFIED BOATS AT SEA

✓ FOLLOW-UP BY MEMBER STATES/FRONTEX ASSETS FOR IDENTIFICATION AND POSSIBLE SEARCH AND RESCUE OPERATIONS

✓ TRANSFER OF INFORMATION IN NEAR REAL TIME TO ALL OPERATIONAL AUTHORITIES INVOLVED