



AUTOMATIC OIL SPILL RECOGNITION AND GEOPOSITIONING
INTEGRATED IN A MARINE MONITORING NETWORK



A EU 7TH FRAMEWORK PROGRAMME
PROJECT

THE ARGOMARINE PROJECT: A LOW COST PLATFORM TO INTEGRATE DATA AND THE EXPLORATORY USE OF NEW TOOLS IN MONITORING OIL SPILL

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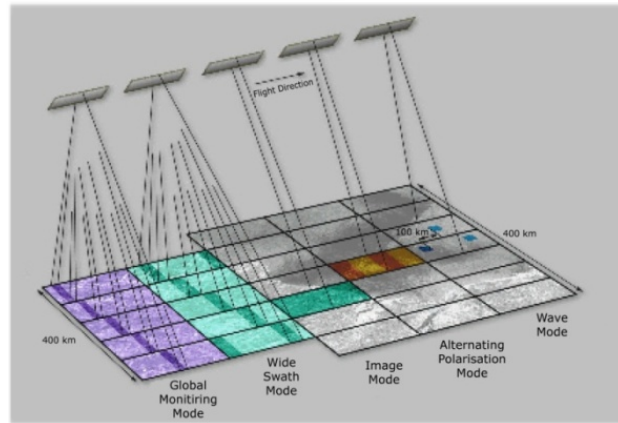
Parco Nazionale Arcipelago Toscano



MIS

Marine Information System

Satellite
remote
sensors



AUV
Autonomous
underwater
vehicle



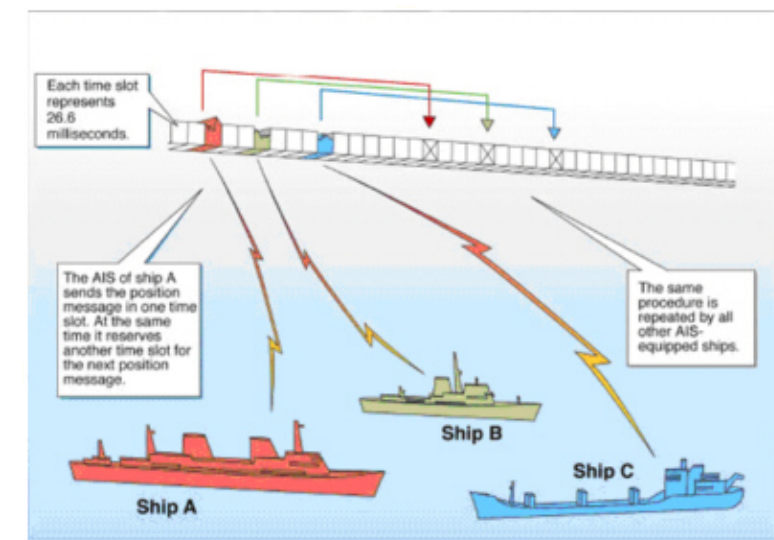
M.I.S



Sensors on
autonomous
buoys



AIS and VTS (radar)

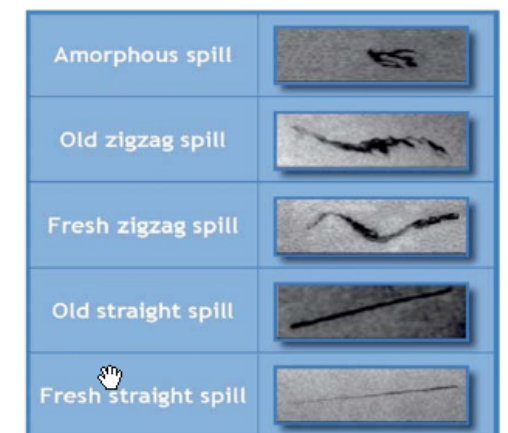
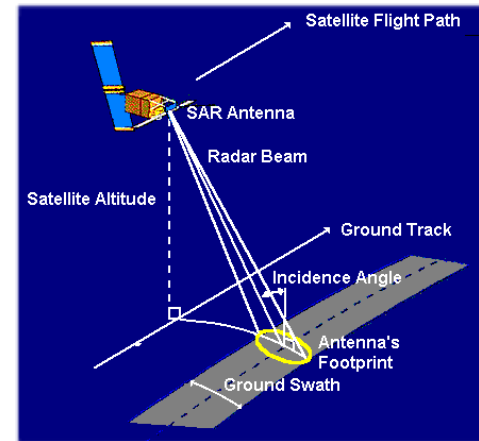


Electronic Noses

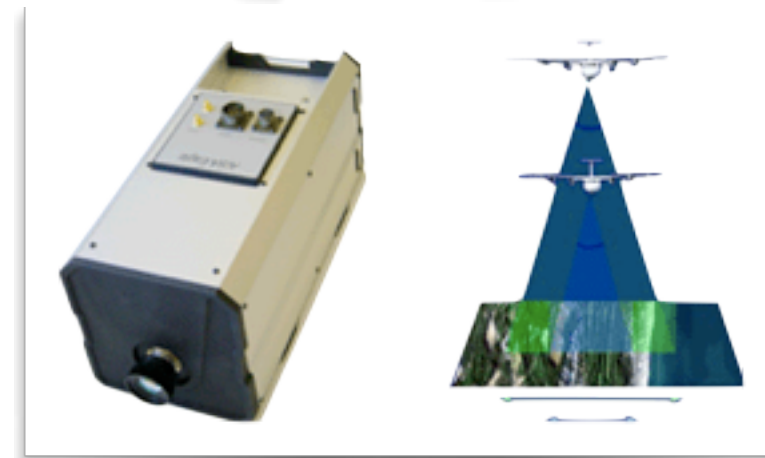


Traditional sources of data collection

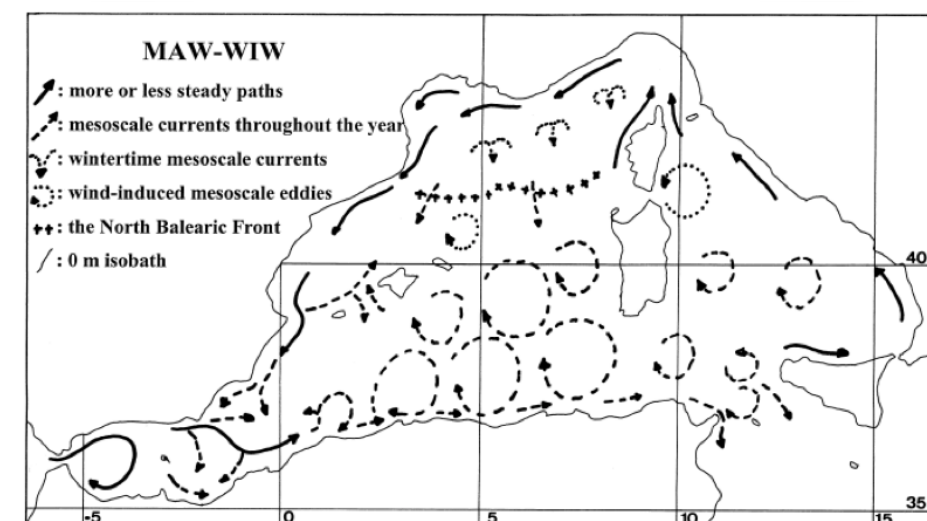
1) SAR sensors (Synthetic Aperture Radar) from ERS-1, ERS-2, ENVISAT-ASAR, TerraSAR-X and Cosmo-SkyMed



2) Hyperspectral sensors
on vessels and airbornes

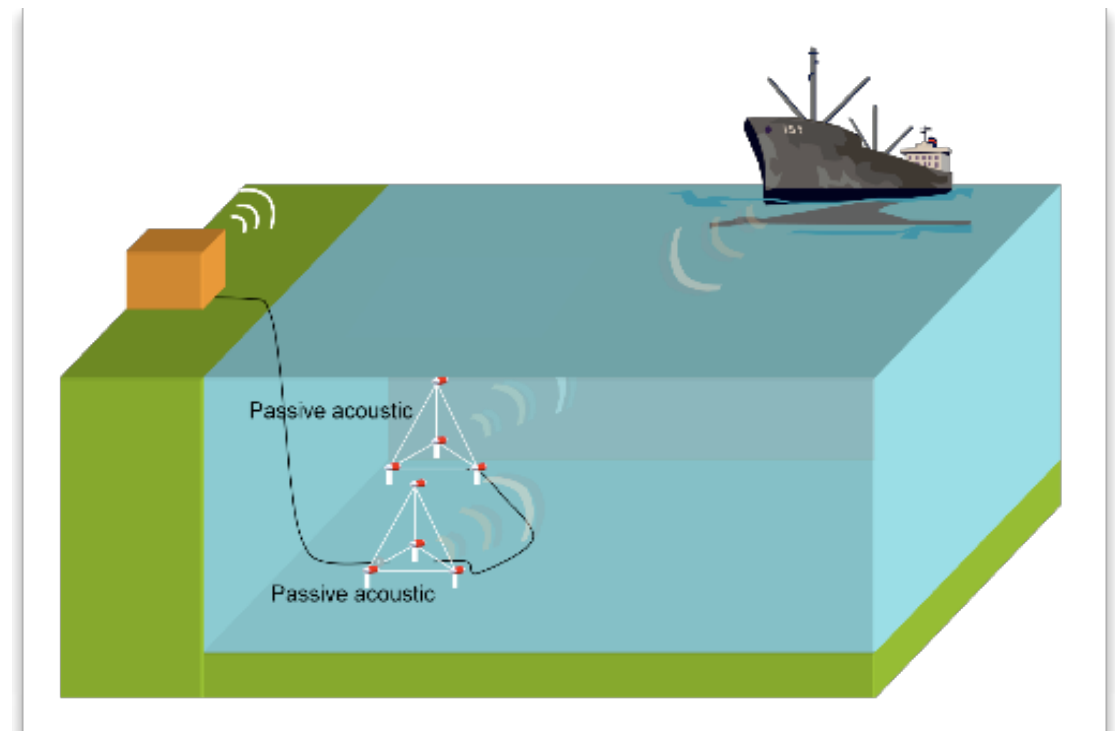


3) Mathematical simulation models



New sources of data collection

4) Passive acoustic sensors



5) Electronic noses on buoys or Autonomous Underwater Vehicles (AUV)

