Virtual Access to HF Radar products from EuskOOS

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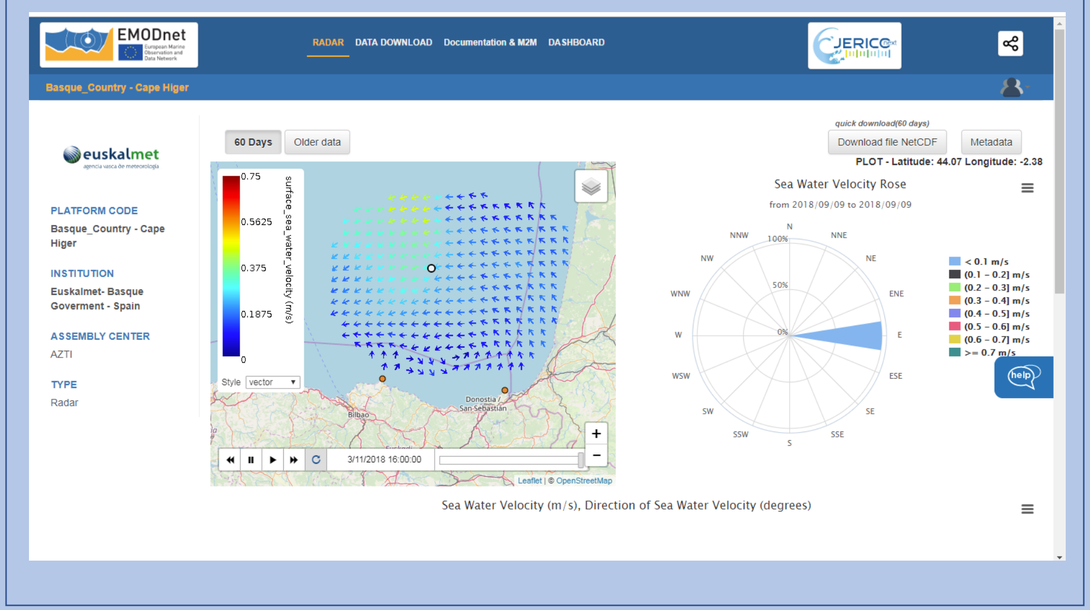
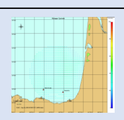
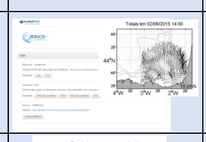
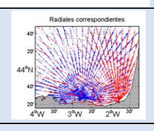
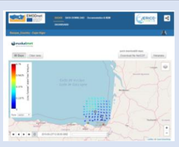
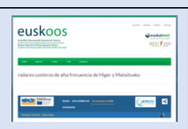
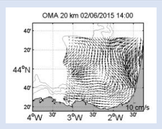
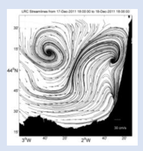
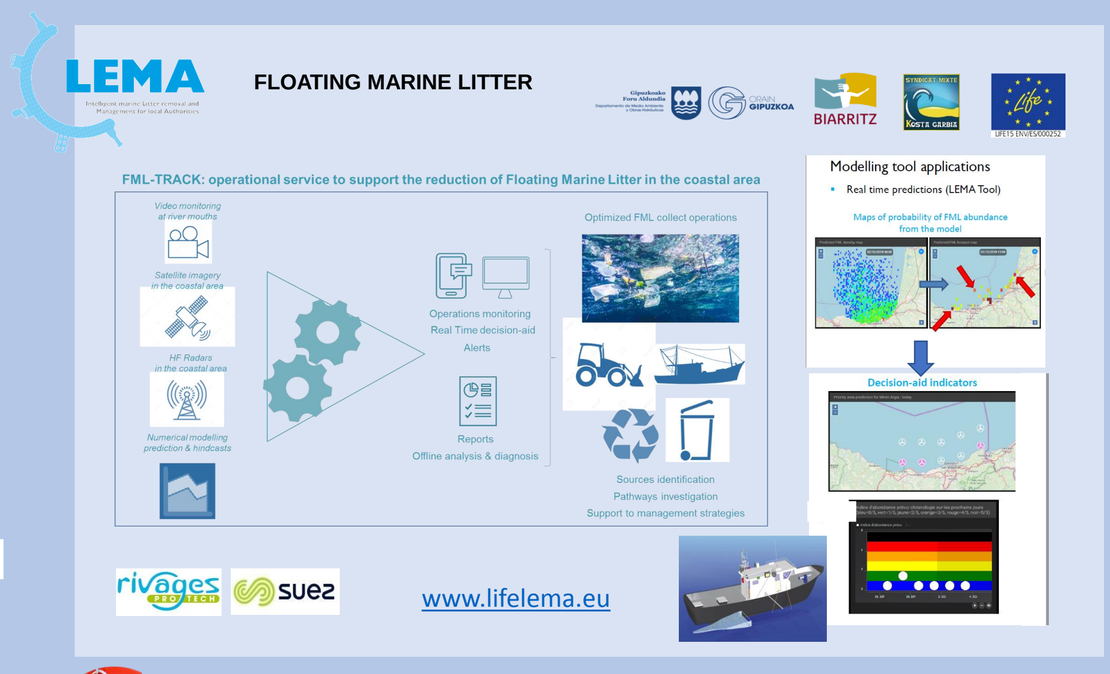
Description:

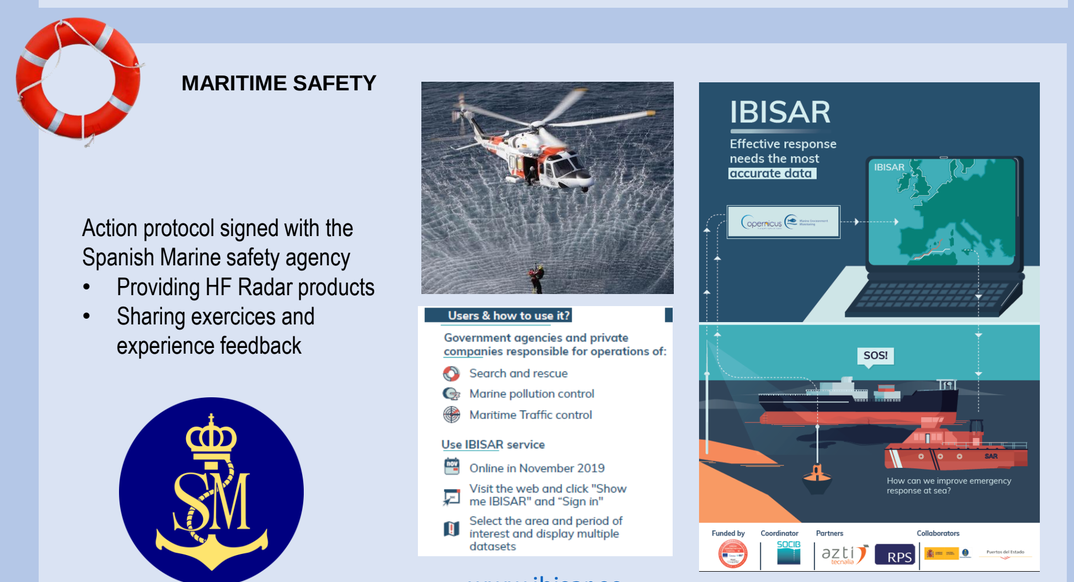
This virtual access concerns data from the Basque HF Radar system, composed by two CODAR Seasonde antennas (transmit frequency 4.525 MHz). It offers many benefits such as: the improvement of the knowledge about surface currents and their forcing physical processes, applications in marine safety, search and rescue, pollution response, validation and calibration of both hydrodynamic and pollutant drift forecasting models, etc.

www.euskoos.eus/en is the portal of the Basque coastal operational oceanography system operated by AZTI and Euskalmet. Through the JERICO-NEXT Virtual Access work-package, AZTI worked on the delivery of quality-controlled HF Radar data products and development of advanced products. Existing European ocean data infrastructure (EMODnet Physics, CMEMS, SDN) and recommendations for standardization (EuroGOOS HFR Task Team) have been considered to put in place the data processing and flow, as well as the visualization and downloading capabilities.



Type of Product	Product Format	Illustration	Product provided
1. Real-time			
Real-time data	Graphic		Map of L3A Total current (hourly updated)
Real-time data	netcdf in local THREDDS		L3B Total currents (preoperational with L3A)
Real-time data	netcdf in local THREDDS		L2B Radial currents (preoperational with L2A)
Real-time data	Graphics (total current map; rose; time series arrows) and netcdf from EMODnet web page		L3B Total currents
2. Archived Data			
Access to archived Data	From local web page		L3B Total currents
Access to archived Data	From EMODnet web page		L3B Total currents
3. Associated Products			
Hourly OMA	netcdf in THREDDS		L4 data product, Hourly OMA, in local AZTI THREDDS server
Hourly lagrangian residual currents from OMA	Graphic		L4 data product, Hourly lagrangian residual currents from OMA; Development of the code (June 2018); Operational implementation and delivery (November 2018)





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