



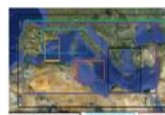
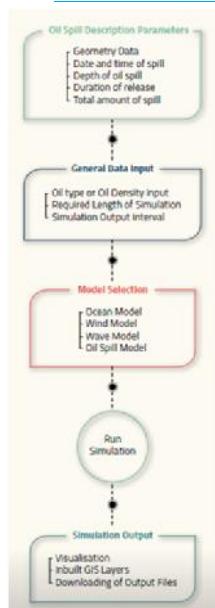
Mediterranean Decision Support System for Marine Safety MEDESS-4MS

Key conclusions from past regional risk assessment projects

Gabino Gonzalez, Head of Officer, REMPEC, Joint Workshop on risk assessment and response planning in Europe, ExCel Centre, London, UK, 14 March 2018

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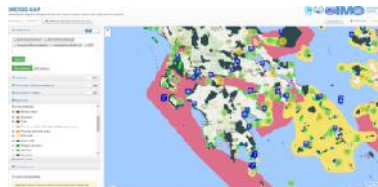
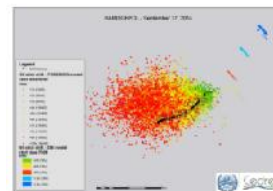
MEDESS-4MS Scope: Operational Tool



Test service functionalities



Multi-model data access

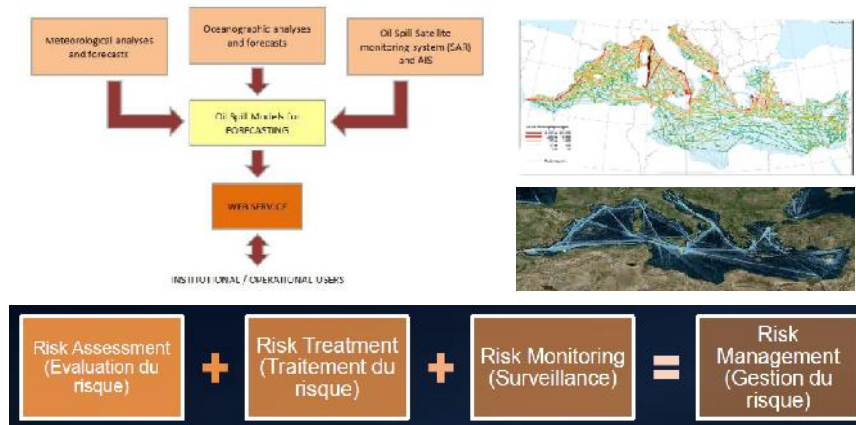


Multilayer operational Geographical Information System

Oil spill risk and impact assessment study

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Methodology / Tool / Approach used



Regional oil spill risk and impact assessment (≈Brisk/Be-Aware):
 Analysis of **ship traffic**; **oil transport**; **historical accident data**; and **socio-economical and sensitivity maps**.

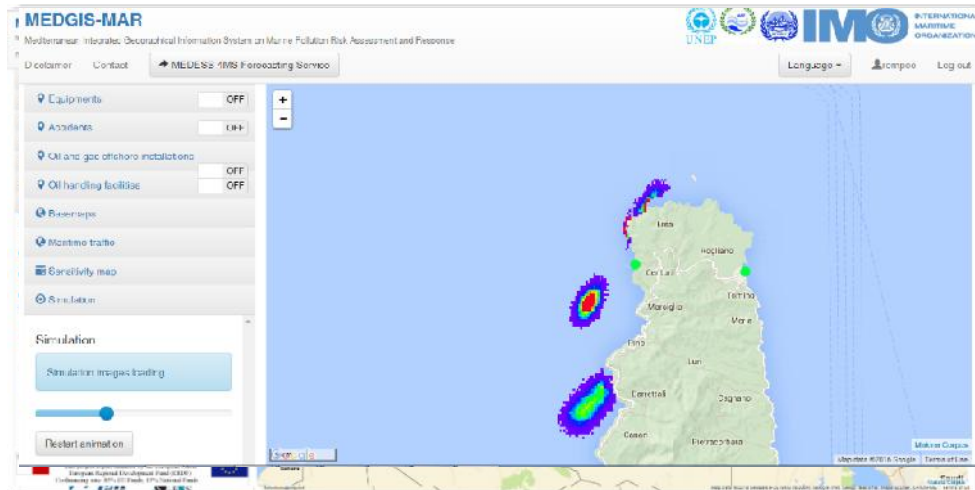
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MAIN CHALLENGES & LIMITATIONS

- Project size: Number of deliverables & partners
- Harmonisation of data a regional level
- Modelling monopole:
 - From AIS to maritime traffic flow
 - From AIS, Ship cargo and Accident data to accident hotspot
 - From accident hotspot/Oceano-meteo data to identification of at sea and shoreline impact hot spot
 - From at sea and shoreline impact hot spot and socio-economical and environmental data to socio-economic and environmental impact assessment

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KEY OUTCOMES



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IMPLEMENTATION

- MEDGIS-MAR National data updated
- MEDGIS-MAR Upgraded
 - Updated environmental layers: SPA/RAC Mediterranean Platform on Biodiversity
 - New filters,
 - New update tools,
 - "Witoll" oil spill forecast import and visualization
- MEDGIS-MAR is used for
 - Training and exercises
 - Monitoring of potential impact during real incidents
 - Planning for response options to minimize damage
 - Risk assessment at national level
- Comprehensive Regional risk assessment inexistence
- Data is available, regular risk assessment requires "opensource" models

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Thank you

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