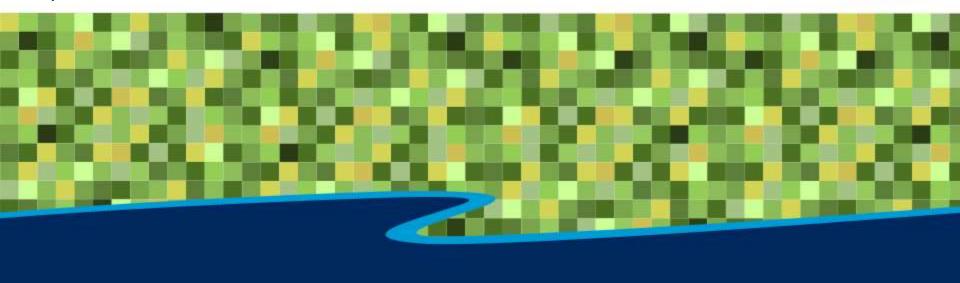
An ecosystem-based approach to reduce pressures on the Mediterranean basin:

Focus on marine litter

UfM Stakeholder Conference on the Blue Economy Naples, 29 - 30 November 2017





Main contributors:

- Dania Abdul Malak (ETC-UMA; Director)
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- Unique ecology of the Mediterranean globally recognized and identified, yet not sufficiently, neither adequately managed
- Increasing pressures, with some global threats such as Marine Pollution are emerging
- Critical role for spatial and temporal information to systematically monitor pollution (distribution, effects on biodiversity,...)
- New regional initiative to synthesise results of relevant projects in Mediterranean and develop platforms to reduce pressures

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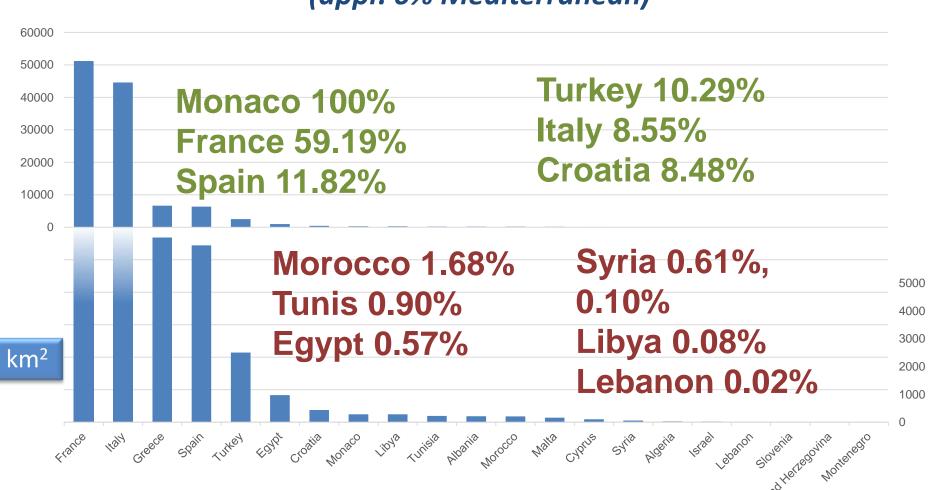
CBD Ecologically and Biologically Significant Areas (15 EBSAs)



Marine Protection in km2

MAPAMed 2014 update (source: Rodriguez-Rodriguez et al., 2016)

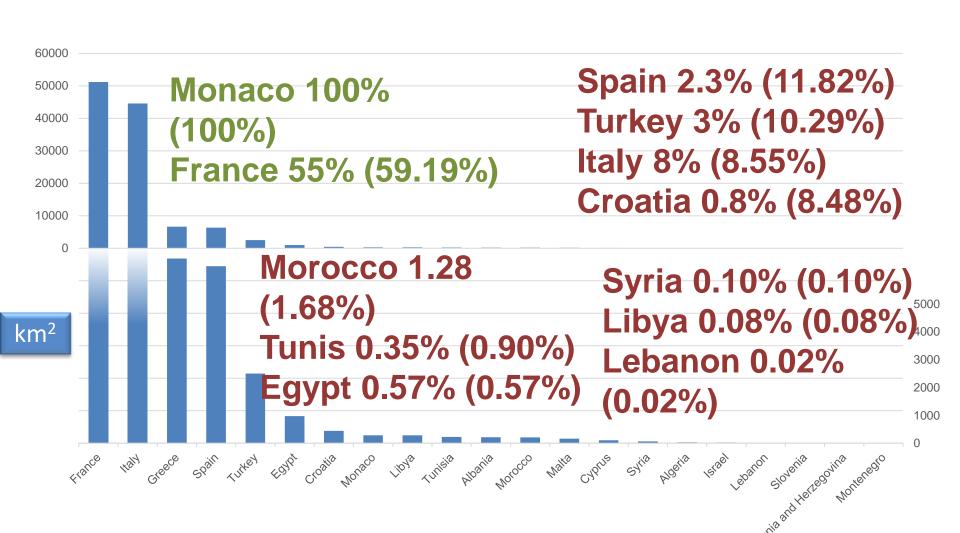
CBD Aichi Target 11 and SDG 14.5 of 10% EEZ Conservation (appr. 6% Mediterranean)



Marine Protection in km²

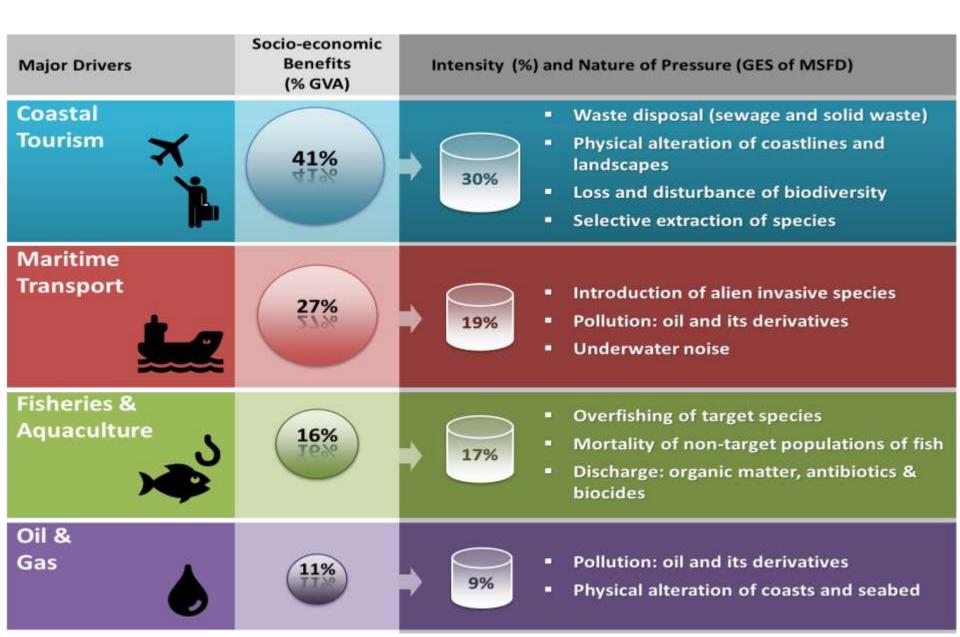
MAPAMed 2014 update (source: Rodriguez-Rodriguez et al., 2016)

% Actual Management (% declaration)



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Drivers and Pressures on ecosystems



Marine litter in the Mediterranean Sea

Source

- Coastal urban population and tourism (50% of plastic litter);
- River waste (20% of plastic litter);
- Maritime transport (30% of plastic litter);

Transport

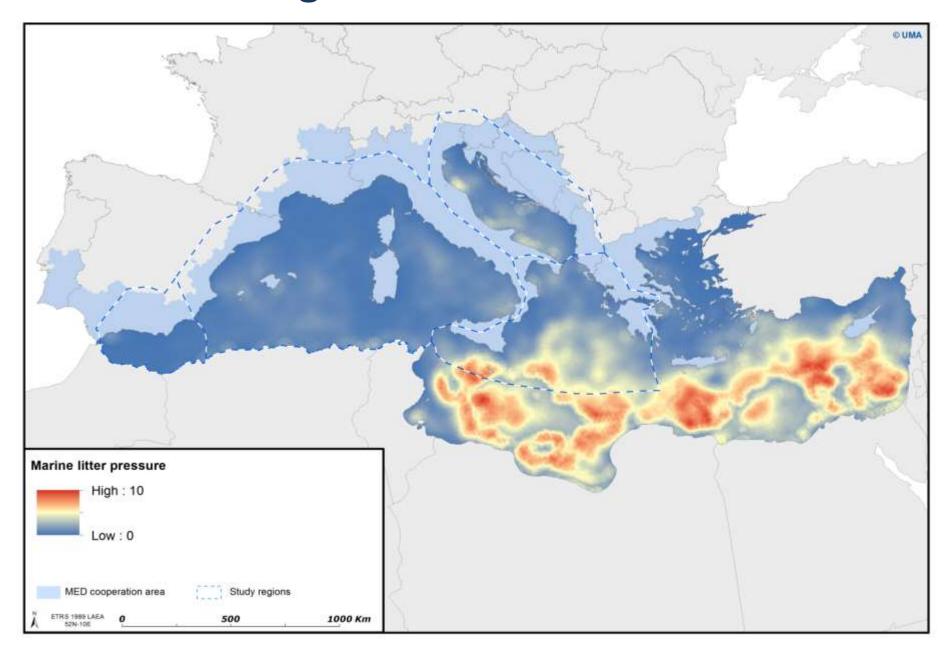
- Superficial Currents
- Waves

Sink

- Beaches
- Coasts
- Marine environment

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Global emergent threats – Marine Litter



Marine governance





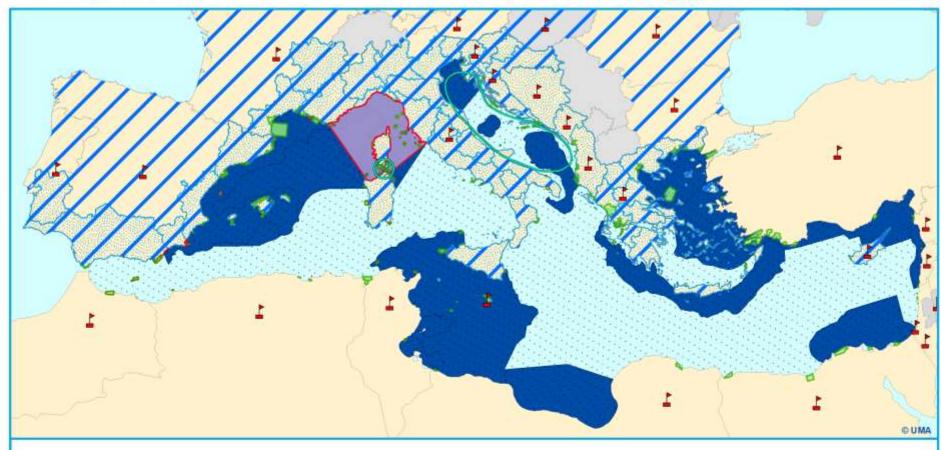




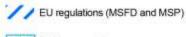


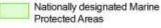






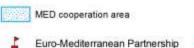
EBSAs and policy frameworks in the Mediterranean Basin

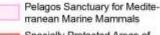


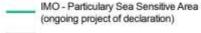


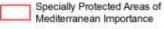


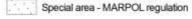
IMO - Particulary Sea Sensitive Area











Barcelona Convention

Ecologically or Biologically Significant Marine Areas (EBSAs)

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PANACeA's roadmap on ML

Test the combination of monitoring protocols on ML within MPAs (MedSeaLitter, ACT4Litter,...)

Transferable technical solutions

Map processes, initiatives and mandates to allow higher effectiveness and better coordination of the collective responses to marine litter challenges

Synthesis &

Integration

Contribute to the definition of a **common framework of measures to tackle marine litter in the Mediterranean MPAs** and broader

Harmonise and standardise monitoring methodologies to make ML lists and metadata compatible,

Develop region-wide RELIABLE and HARMONISED (spatial) indicators

Accessible through an Open Source Platform

Supporting instruments

Feed the regional debate on:

- 1) **EU MSFD descriptor 10** (MSFD TGML behind the EU Plastics Strategy)
- 2) EcAp Ecological Objective 10 on ML
- 2) Regional Plan for Marine Litter Management in the Mediterranean (MedPOL)



For more information:

www.etc.uma.es

http://www.medmaritimeprojects.eu/section/med-iamer

http://biodiversity-protection.interreg-med.eu



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