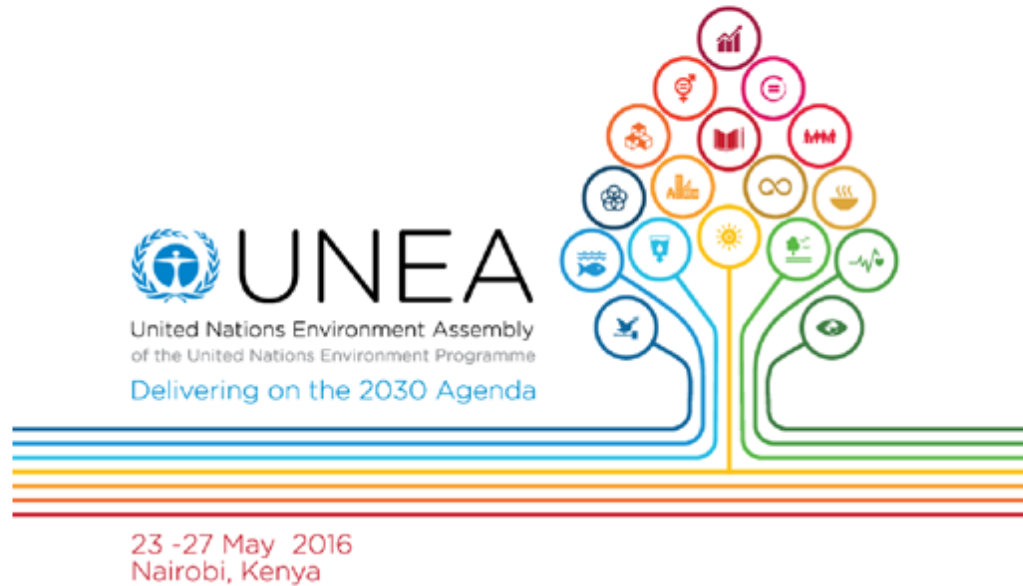




EA/10,11,12

Oceans, Marine litter & microplastics, Coral Reefs

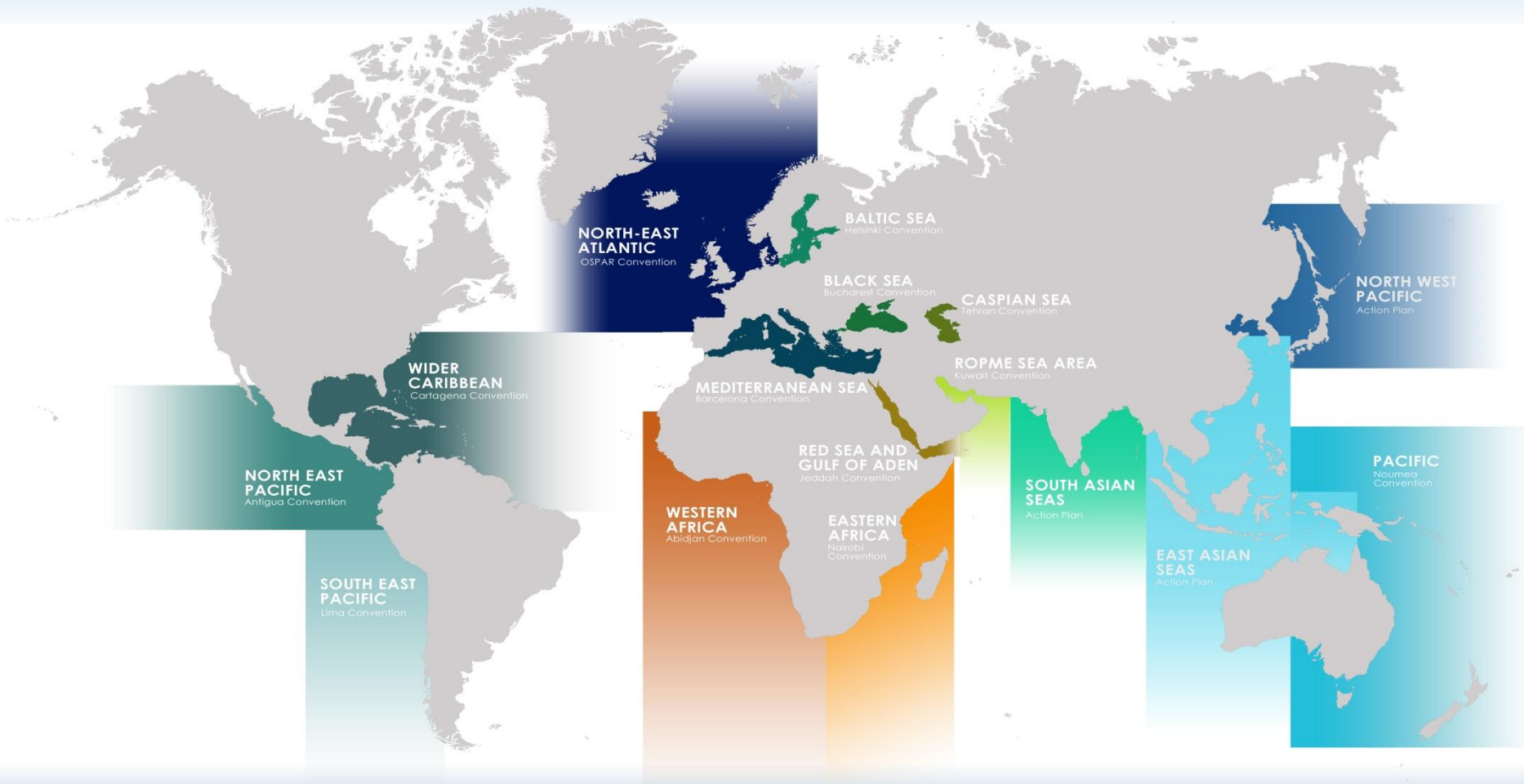
Regional Seas



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ARTIC
Regional Programme



ANTARTIC
Convention on the Conservation of Antarctic Marine Living Resources

EA/2/10 – Oceans



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- Earth's surface, contain 97% of the Earth's water, and represents 99% of the living space on the planet by volume.
- Globally, the market value of marine and coastal resources and industries is estimated at US\$3 trillion per year, or about 5% of global GDP.
- As much as 40% of the world's oceans are heavily affected by human activities, including pollution, depleted fisheries and loss of coastal habitats.

EA/2/10 – Oceans



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- Invites Member States and regional seas to work towards the **implementation of, and reporting on, the different ocean-related Sustainable Development Goals...**the Strategic Plan for Biodiversity 2011–2020 and its Aichi Biodiversity Targets.
- Requests the UNEP....assisting countries and regions in the **application of the ecosystem approach** to managing the marine and coastal environment, including through enabling inter-sectoral cooperation in integrated coastal zone management and **marine spatial planning**;
- Also requests the UNEP to provide...technical advice on the designation, establishment and active **management of marine protected areas...**

EA/2/10 – Oceans



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- SDG 14 on Oceans process:
 - Supporting UN 2017 Conference on Oceans (June, New York) technical input
 - SDG indicator process – assisting countries in future reporting
 - Coordination with regional seas indicators relevant to SDG 14
- Strategies for implementation of SDG 14 at national and regional level (project)
 - Project on ICZM and governance work

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- Ecosystem approach (OP6)
 - Practical guidance on Marine Spatial Planning (MSP)
 - Blue Solutions Portal to share implementation experiences/lessons
 - Future pilot projects (Western Indian Ocean, Adriatic, West Africa, Vietnam; (OP6)
- Marine protected area (MPA) effectiveness (OP7)
 - Guidance on MPA governance/management
 - Decision support system for MPA development (WCR)
 - Regional peer network of MPA managers and practitioners
 - MPA pilot projects (e.g. Dominican Republic, Kenya-Tanzania transboundary MPA)
 - UN 2017 Conference on SDG 14 (Working group on MPAs)

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EA 2/11 - Marine Plastic Litter and Microplastics:



EA 2/11 - Marine Plastic Litter and Microplastics:

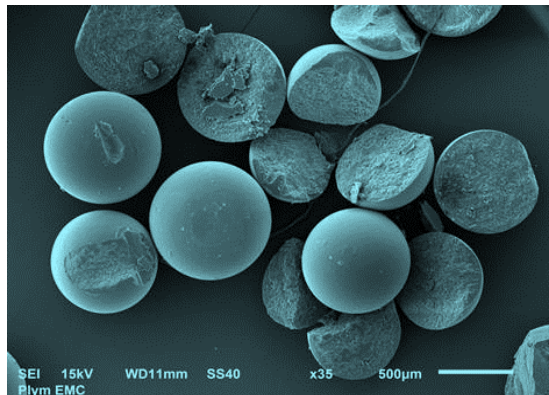
Operational definition – particles < 5mm



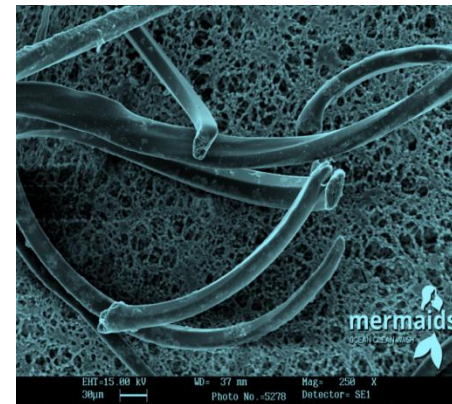
Plastic resin beads, used in plastics manufacture (Ogata)



Beach sample: microplastics, Hawaii
(NOAA Marine Debris Program)



Polyethylene microplastics extracted from shower gel
(A. Bakir and RC Thompson)



Microfiber from synthetic garment (Mermaids Project)

1900 fibers/item

35.6 billion laundry loads in Europe alone

Tyre dust ? Atmospheric transportation?

EA 2/11 - Marine Plastic Litter and Microplastics:



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- Requested UNEP to provide **support to the development of marine litter action plans** upon request by countries (OP11)
- Requested **UNEP ED** to **assess the effectiveness of relevant international, regional and sub-regional governance strategies and approaches** to combat marine plastic litter and microplastics and **identify gaps and options** for addressing them (→ UNEA-3) (OP21)
- Establishment of **public-private partnerships**, development of **campaigns** for awareness-raising, prevention and clean-up, lifecycle environmental impacts of products containing **microbeads and compostable polymers**
- **Collaborate via Global Partnership on Marine Litter**

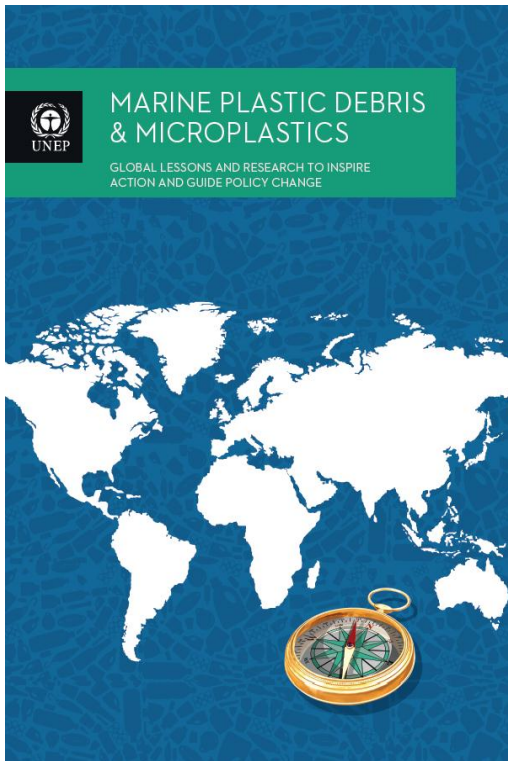
EA 2/11 - Marine Plastic Litter and Microplastics:



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- Areas needing **more research & priority areas for action**
- **Phase out** of microbeads
- Drastic reduction/ban of **single-use plastics**
- **long-term: upstream reduction** Short-t: waste management,
- 'biodegradable' will NOT decrease ML – int. **agreed definition of biodegradability** (marine env.)
- harmonization and **standardization** of methods
- Gaps/solutions for governance frameworks

EA 2/11 - Marine Plastic Litter and Microplastics:

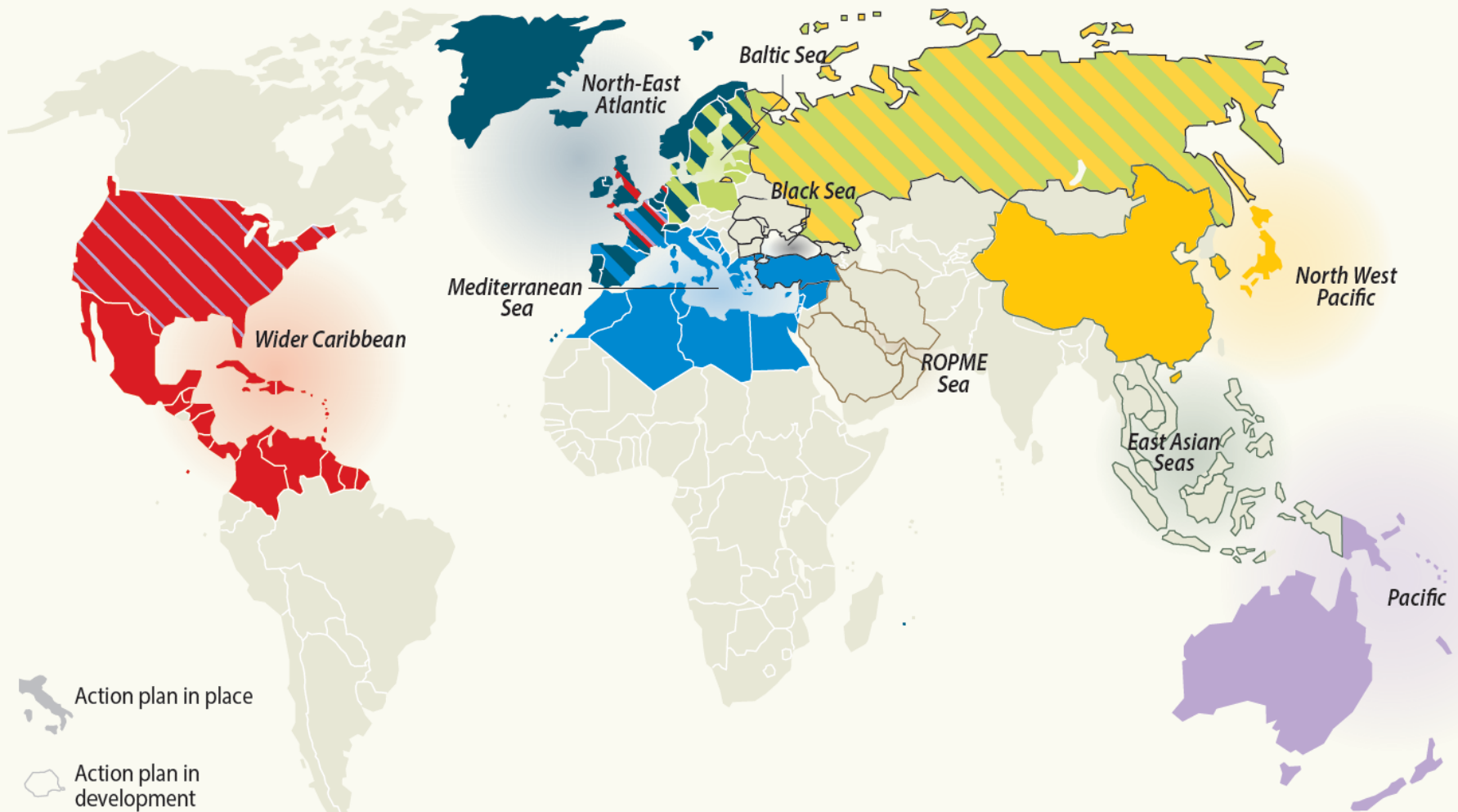


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Regional action plans on marine litter



EA/2/11 Implementation: Capacity building



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First Massive Open Online Course on Marine Litter

Leadership Track:

8 hours - consist of 2 blocks

Expert Track:

32 additional hours consisting
of 6 blocks

6500 registered students
2015/16

2017: English & Spanish
MOOCs

23-27 May 2016



MOOC
Massive Open Online Course on
Marine Litter

COMING SOON
Enrol now and start on October 26th

UNEP GPA Open Universiteit



EA/2/11 Implementation:



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- Assessment – new Advisory Group to be est.
 - Governments & Accredited MGS – 30 September deadline
- Global Campaign on Marine Litter (5yr)
- Database on BATs/BEPs (Uni.of Georgia)
- Innovation Challenge for Universities (Launch 2017)
 - Engineering challenge (redesign, prevention)
 - Communications challenge (raise awareness, engage)
 - Prediction/recovery challenge (predict, modelling, hotspot)
- Plastics management strategy for SIDS & Islands



Opportunities for involvement



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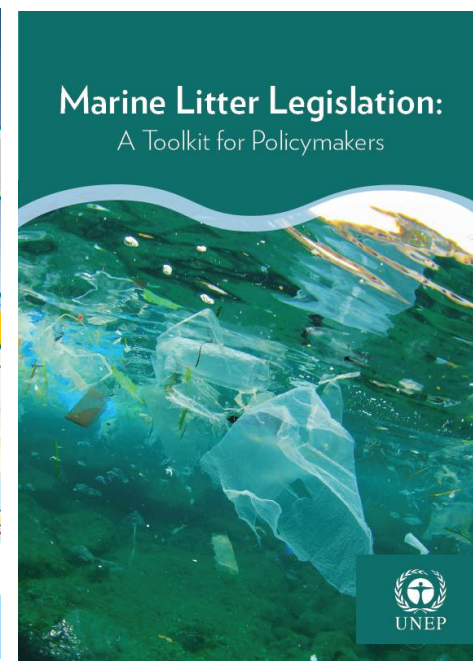
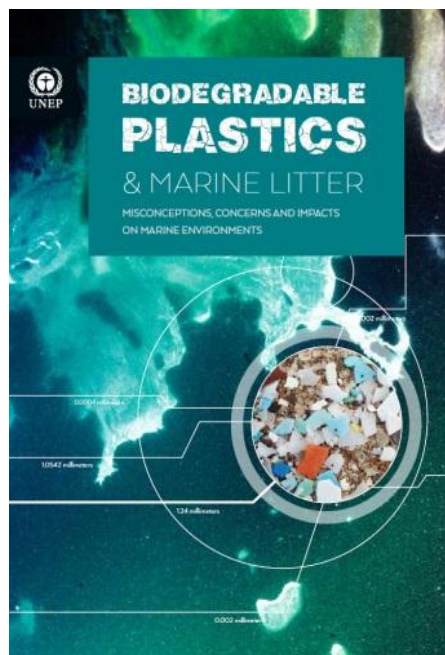
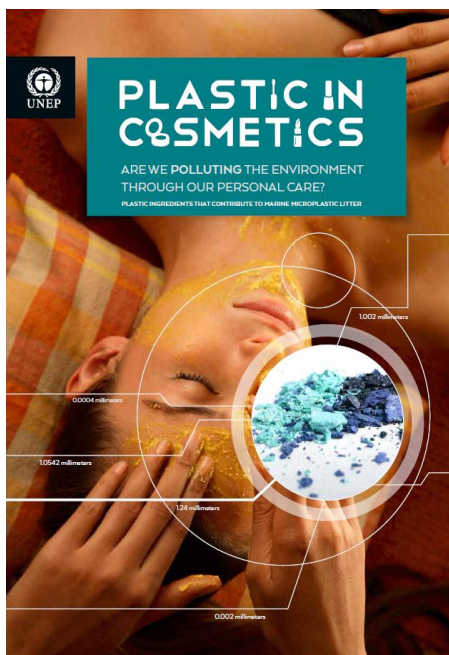
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- Be involved in the development of a regional **action plan** on ML
- Contributing information and/or case studies to the next **MOOC**
- Join the **Global Partnership on Marine Litter**
 - **African Marine Waste Network (database ML, stakeholder, adaptive strategy)**
- Join the **Global Campaign** on Marine Litter
- Nominate experts: **Advisory Group** for the Assessment

Implementation: Knowledge



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www.unep.org/publications

EA/2/12 – Coral Reefs



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- Vital coral reef ecosystem services: food security, livelihoods and income; shoreline maintenance; tourism...
 - especially important in the Western Indian Ocean (both continent and SIDS); Red Sea and Gulf of Aden; some countries in western Africa
- High rates of reef loss from climate and direct anthropogenic stress
 - increasing bleaching and ocean acidification on reefs already weakened by overfishing, development, and land-based pollution
- EA/2/12 ‘Sustainable Coral Reefs Management’
 - emphasizes climate change resilience; human impacts; private sector collaboration; gender; outreach and awareness
 - calls on UNEP to pursue a number of specific actions

EA/2/12 – Coral Reefs



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- Priority activities with opportunities for stakeholder engagement
 - support countries develop and implement measures, e.g. coral reef action plans; corals in coastal management, MPAs and MSP
 - analysis of global and regional policies, by 2018
 - strengthen coral reef monitoring through regional initiatives
 - global awareness raising, potentially 3rd International Year of the Reef 2018
- Opportunities and needs
 - directly applicable tools developed through UNEP's Global Coral Reef Partnership (resilience; ecosystem service values in private and public decision making; data for ecosystem-based management)
 - requires additional resources; broadened technical collaboration



Thank you.