



EO for Africa Symposium 2024

23 - 26 September 2024

ESA | ESRIN, Frascati (IT)



GEO Blue Planet's stakeholder engagement on use of ocean observation and prediction for coastal sustainability in Africa

24/09/2024

Lillian Diarra and Audrey Hasson, Mercator Ocean International

ESA UNCLASSIFIED - For ESA Official Use Only



GEO Blue Planet works to support the sustained development and use of Earth observation to inform policy and decision-making on coastal and ocean challenges



Marine litter



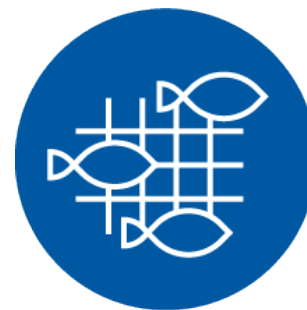
Sargassum



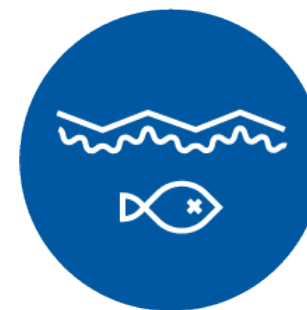
Coastline changes



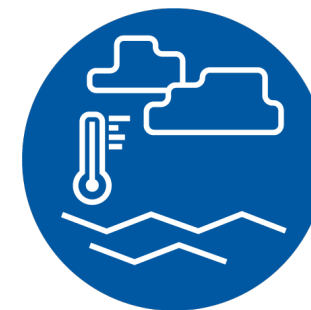
Oil spills



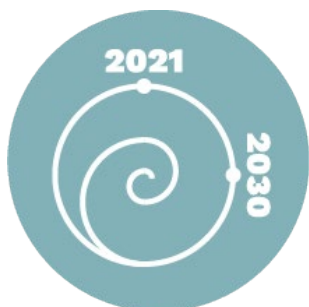
Fisheries



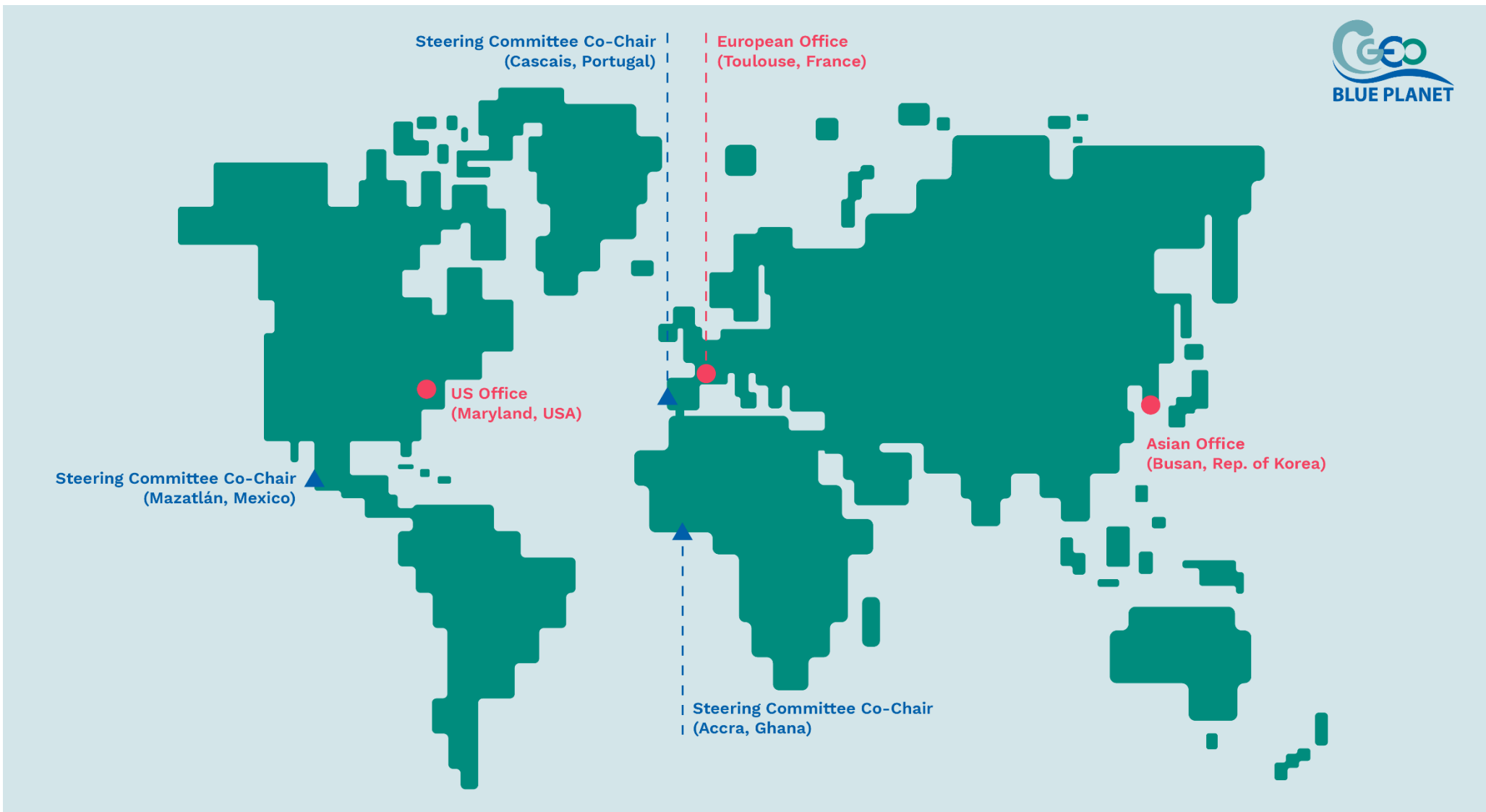
Eutrophication



Climate adaptation



All activities support and contribute to the UN Decade of Ocean Science for Sustainable Development and the Early Career Ocean Professionals Decade Programme





Full day training at GEO Blue Planet Symposium (technical and non-technical tracks)

White paper on National Adaptation Plans for coastal countries submitted as Annex to NAP guidance document by UNFCCC

Portal on data access and tools on monitoring of Sargassum
sargassumhub.org

Aim to improve engagement with African nations to expand the EO community of practice, strengthen local capacity and provide access to EO resources, tools and services



- **3 plenaries** (fisheries, ecosystem conservation, coastal hazards)
- **5 workshops** (Marine litter, Sargassum, Coastline Changes, National Adaptation Planning and Fisheries & Aquaculture)
- **Full day of training sessions**
- **Copernicus Private Sector Opportunities** (EU & Ghanaian EO-based SME pitches focus)
- Local partners Univ.of Ghana & UENR

CODESIGN – LOCAL PARTNERSHIPS – DIVERSITY & INCLUSION

**GEO BLUE PLANET
5th SYMPOSIUM**
24 - 28 October 2022 | Accra, Ghana
LOCAL ACTION IN SUPPORT OF GLOBAL TRACTION

Africa Blue Economy Strategy

**Ocean Decade
Africa Roadmap**



GEO BLUE PLANET

WORKSHOP

Ocean Observation and Prediction for Coastal Sustainability in Africa

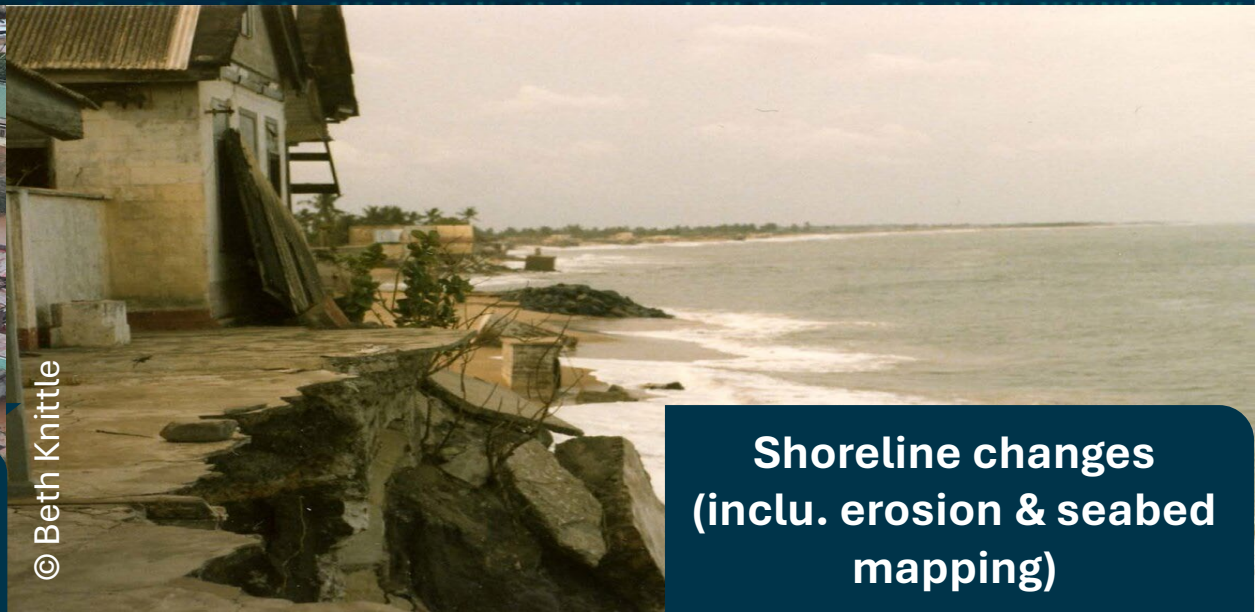
**4 - 7 March 2024
UNON, Nairobi, Kenya**

Hosted by UNEP GEMS Ocean

A data to policy co-design workshop



Flooding and inundation



© Beth Knittle

**Shoreline changes
(inclu. erosion & seabed mapping)**



© Curioso photography

Ecosystem mapping



Water quality

International/regional bodies

- UNEP: GEMS Ocean, Abidjan & Nairobi Conventions
- UNESCO/IOC, IOCAfrica
- Ocean Decade – Africa task force, Ocean Prediction DCC, ECOP
- GEO : GEO Blue Planet, GEO Indigenous Alliance
- IUCN

National agencies/decision makers

- Nigeria, Mozambique, Cote d'Ivoire & Kenya

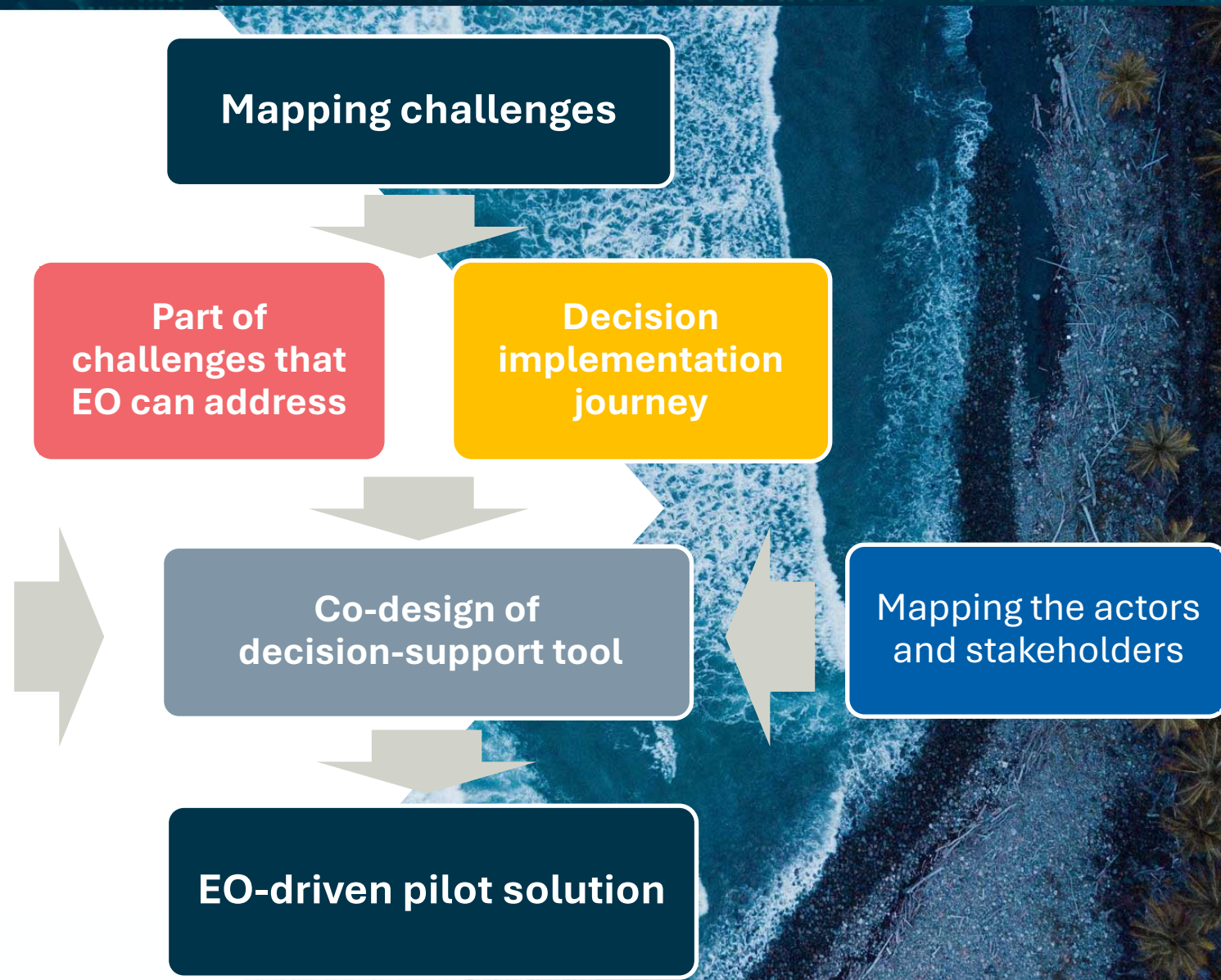
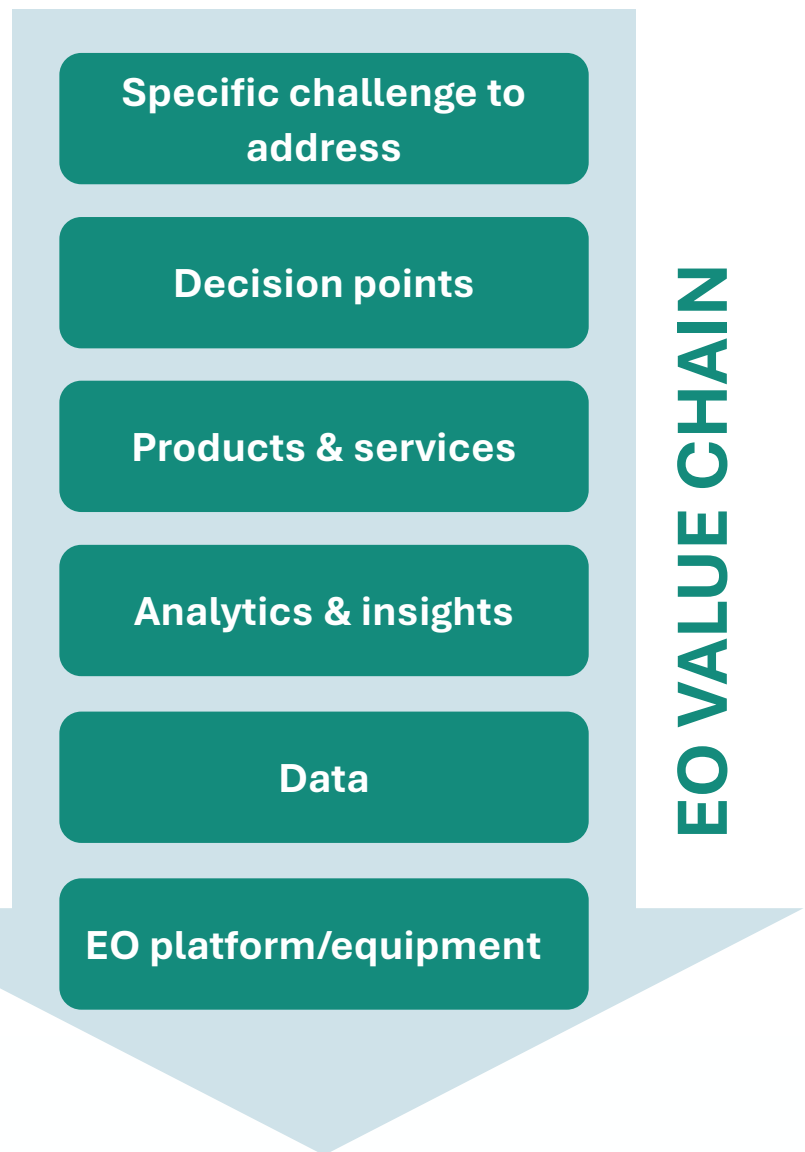
Research organisations/networks

WASCAL - Cape Verde, Univ. Cape Coast, Univ. Cape Town

EO based products and services providers

- Global (EUMETSAT, Copernicus Marine)
- Regional/national (GMES&Africa, CORDIO, OCIMS)
- Private (DigitalEarth Africa, Fugro, CLS)





Pilot solution description

End users

Target audience

Decision points

Benefits

Technical resources

Locally available

Internationally sourced

Scalability

Time

Theme

Location

Financial scheme

Product impact assessment

Long-term commitment

Self-evaluation

Strengths, weaknesses, improvements

Feasibility, impact potential added value, engagement



Achievements

- Brought together users of ocean observations and prediction with service providers to create a dialogue and co-design EO driven solutions
- Reintegration of feedback in GEO Blue Planet coastal working group agenda
- Networking (58 participants from 17 countries, diverse backgrounds)
- Involvement of Early Career Ocean Professionals and gender balance

Next actions

- Develop white papers on EO solutions for each of the 4 themes (e.g. targeting Regional Seas Conventions)
- Create a guiding document for successful data to policy co-design workshops





Thank you for your attention

Lillian Diarra – ldiarra@mercator-ocean.fr



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