



Ocean Observation and Prediction for Coastal Sustainability in Africa

In-person workshop

4-7 March 2024

United Nations Office of Nairobi (UNON), Kenya

Hosted and sponsored by:



Programme

Monday, 4 March (9:00-16:30)

Room: CR3

8:30-9:00	Registration Opens
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Session 1 – Opening Session

Co-Chairs: Audrey Hasson (GEO Blue Planet / Mercator Ocean International) and Joana Akrofi (UNEP)

9:00-9:10	Welcome notes from UNEP	Richard Munang (UNEP)
9:10-9:20	Welcome notes from GEO Blue Planet	Audrey Hasson (GEO Blue Planet / Mercator Ocean International)
9:20-9:30	The UN Ocean Conference 2025	Ashok Adicéam (Ministry of Europe and Foreign Affairs, France)
9:30-9:40	The UN Ocean Decade and the Africa Roadmap	Jacqueline Uku (KMFRI & Chair, African Ocean Decade Taskforce)
9:40-9:50	The Ocean and “Agenda 2063: The Africa We Want”	Bachir Saley (African Union Commission)
9:50-10:00	Responding to needs of impacted coastal communities	Titus Letaapo (GEO Indigenous Alliance)
10:00-10:10	Mercator Ocean international’s actions with Africa	Muriel Lux (Mercator Ocean International)
10:10-10:50	Break (and group photo)	

Session 2 – Policy, Economy and Ocean Observations

Co-Chairs: Lillian Diarra (GEO Blue Planet / Mercator Ocean International) and Stewart Bernard (University of Cape Town)

10:50-11:05	The regional context of the West coast of Africa for coastal management decision making informed by ocean observation	Abdoulaye Diagana (Abidjan Regional Seas Convention)
11:05-11:20	The regional context of the East coast of Africa for coastal management decision making informed by ocean observation	Theuri Mwangi (Nairobi Regional Seas Convention)
11:20-11:30	GO Blue Project	
11:00-11:45	Science and Knowledge for a Resilient and Sustainable Ocean Economy in Africa- SEAWARD Africa	Edwin Mwashinga (UNESCO / IOCAfrica)
11:45-12:00	Ocean observations in support of the National Adaptation Plans (NAPs) development	Louis Celliers (HEREON)
12:00-12:15	Maritime Spatial Planning / A transformative ocean governance to enable sustainability	James Mbugua (Cordio East Africa)
12:15-12:30	IUCN perspective on information needs for coastal resilience	Thomas Sberna (International Union for Conservation of Nature, IUCN)

12:30-14:00	Lunch Break	
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14:00-14:15	Policy needs for ocean data and information in Kenya	Emma Akware (Senior State Council, Kenya)
14:15-14:30	Disaster Risk Management and Reduction efforts needs for ocean data and information – showcasing Mozambique’s Emergency Centre	Armando Alberto (Mozambique National Emergency Operations Centre - CENOE)
14:30-14:45	Policy and blue economy needs for ocean data and information – showcasing Cote d’Ivoire Government	Abou Bamba (Office of the Prime Minister, Cote d’Ivoire)
14:45-15:00	Policy and blue economy needs for ocean data and information – showcasing Nigeria’s Ministry of Marine and Blue Economy	Linda Etta (Ministry of Marine and Blue Economy of Nigeria)
15:00-15:30	Break	
16:00-16:30	Panel Discussion on Earth observation to inform policy design and decision making	

Tuesday, 5 March (9:00 – 16:30)

Room: CR3

Session 3 - Ocean Observations for Decision-making

Co-Chairs: Delphine Lobelle (Fugro) and Edwin Mwashinga (IOCAfrica)

09:00-09:10	Welcome notes	Moderators
09:10-09:25	The role of the ocean in climate, with a focus on the African Seas	Corrine Almeida (West African Science Centre on Climate Change and Adaptation Land Use (WASCAL), Cabo Verde)
09:25-09:40	Ocean observations and prediction, with a focus on African capabilities and recommendations for sustainability	Stewart Bernard (University of Cape Town), South Africa
09:40-09:55	Coastal hazards in Africa	Donatus Angnuureng (University of Cape Coast), Ghana
09:55-10:10	Blue Carbon as Natural Climate Solution	Derrick Njiru (UNEP)
10:10-10:40	Break	

Session 4 - Ocean Products and Services Flash-talks Session

Co-Chairs: Louis Celliers (HEREON) and Hayley Evers-King (EUMETSAT)

10:40-10:50	OceanPrediction Decade Collaborative Centre – Africa Regional Team	Jennifer Veitch (SAEON)
10:50-11:00	GMES & Africa	Kwame Adu Agyekum (GMES and Africa)
11:00-11:10	Global Environment Monitoring Services for the Ocean and Coasts (GEMS Ocean and Coasts)	Joana Akrofi (UNEP)
11:10-11:20	CORDIO East Africa	James Mbugua (CORDIO East Africa)
11:20-11:30	South African Oceans and Coastal Information Management System (OCIMS)	Marie Smith (CSIR)
11:30-11:40	Short Break	
11:40-11:50	EUMETSAT	Hayley Evers-King (EUMETSAT)
11:50-12:00	Digital Twin of the Ocean and the Copernicus Marine Service at Mercator Ocean International	Muriel Lux (Mercator Ocean International)

12:00-12:10	CLS Tools for Integrated Coastal Zone Management	Gildenhuis Sanette (CLS South Africa)
12:10-12:20	Digital Earth Africa tools, data and learning resources for marine and coastal monitoring and reporting	Kenneth Mubea (Digital Earth Africa)
12:20-12:30	Fugro digital solutions supporting coastal resilience efforts and decision-making	Delphine Lobelle (Fugro)
12:30-14:00	Lunch Break	

Session 5 - Needs and Limitations for EWE in Africa

Co-Chairs : Muriel Lux (Mercator Ocean International) and Joana Akrofi (UNEP)

14:00-14:15	UNEP's Early Warning for Environment (EWE) vision – Introduction to Panel discussion	Richard Munang (UNEP)
14:15-15:00	Panel Discussion of the value chain for Early Warning for Environment	
15:00-15:30	Break	

Working Sessions Introduction

Co-Chairs : Audrey Hasson (GEO Blue Planet / Mercator Ocean International) and Stewart Bernard (University of Cape Town)

15:30-15:50	Working Sessions Introduction	Moderators
15:50-16:00	Case study / Intro to WS #1	Ignatius Williams (GMES and Africa) & Donatus Angnuureng (University of Cape Coast)
16:00-16:10	Case study / Intro to WS #2	Delphine Lobelle (Fugro) & Kenneth Mubea (DEA)
16:10-16:20	Case study / Intro to WS #3	Louis Celliers (HEREON) and James Mbugua (Cordio East Africa)
16:20-16:30	Case study / Intro to WS #4	Hayley Evers-King (EUMETSAT) and Liu Ning (UNEP)

Wednesday, 6 March (09:00-16:30 + Social event)

Rooms: Conf. Room 3,6,7,8

09:00-16:30	Parallel Working Sessions
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Working Session #1	Working Session #2	Working Session #3	Working Session #4
Conf. Room 6	Conf. Room 3	Conf. Room 8	Conf. Room 7
Shoreline changes incl. erosion and seabed mapping	Coastal flooding and inundation	Coastal ecosystem mapping	Coastal waters quality
Ignatius Williams (GMES and Africa) & Donatus Angnuureng (University of Cape Coast)	Delphine Lobelle (Fugro) & Kenneth Mubea (DEA)	Louis Celliers (Hereon) and James Mbugua (Cordio East Africa)	Hayley Evers-King (EUMETSAT) and Liu Ning (UNEP)

10:30-11:00	Tea Break
12:30-14:00	Lunch Break
15:00-15:30	Tea Break
16:30	Social Event

Thursday, 7 March (09:00-16:30)

Rooms: Conf. Room 1,6,7,8

09:00-12:30	Parallel Working Sessions
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Working Session #1	Working Session #2	Working Session #3	Working Session #4
Conf. Room 6	Conf. Room 1	Conf. Room 8	Conf. Room 7
Shoreline changes incl. erosion and seabed mapping	Coastal flooding and inundation	Coastal ecosystem mapping	Coastal waters quality

10:30-11:00	Tea Break
12:30-14:00	Lunch Break

Session 6 - Closing Session

Co-Chairs : Audrey Hasson (GEO Blue Planet / Mercator Ocean) and Joana Akrofi (UNEP)

Room: Plenary room for 50 ppl

14:00-14:10	Welcome Notes	Moderators
14:10-14:20	WS #1 restitution	Ignatius Williams (GMES and Africa) & Donatus Angnuureng (University of Cape Coast)
14:20-14:30	WS #2 restitution	Delphine Lobelle (Fugro) & Kenneth Mubea (DEA)
14:30-14:40	WS #3 restitution	Louis Celliers (Hereon) and James Mbugua (Cordio East Africa)
14:40-14:50	WS #4 restitution	Hayley Evers-King (EUMETSAT) and Liu Ning (UNEP)
14:50-15:00	Final notes from organisers	Audrey Hasson (GEO Blue Planet / Mercator Ocean International)
15:00-15:30	Break	
15:30-16:30	WS Outcome Document Finalisation	Audrey Hasson (GEO Blue Planet / Mercator Ocean International)

Programme committee:

Prof. Kouadio Affian (IOC Africa – GOOS Africa)

Joana Akrofi (UNEP – GEMS Ocean and Coast Programme)

Dr. Muriel Lux (Mercator Ocean International)

Dr. Louis Celliers (Hereon)

Dr. Steward Bernard (University of Cape Town)

Dr. Bachir Saley (African Union)

Dr. Hayley Evers-King (EUMETSAT)

Dr. Delphine Lobelle (FUGRO)

Dr. Bennet Foli (University of Ghana - GMES and Africa – GEO Blue Planet co-chair)

Jose Moutinho (Atlantic International Research (AIR) Centre - GEO Blue Planet co-chair)

Dr. Audrey Hasson (GEO Blue Planet / Mercator Ocean International)

Lillian Diarra (Mercator Ocean International)

Event webpage:

<https://geoblueplanet.org/ocean-observation-and-prediction-for-coastal-sustainability-in-africa/>

Social Media handles:

LinkedIn - @GEO Blue Planet

X/Twitter - @GEOBluePlanet

Title	Last Name	First Name	Groups	Working session
Dr.	Agyekum	Kwame Adu	GMES & Africa Project, University of Ghana	4
Prof.	Almeida	Corrine	Atlantic Technical University, WASCAL Cabo Verde	3
Prof	Amougou	Joseph	National Observatory on Climate Change (ONACC) Cameroon	2
Dr.	Angnuureng	Bapentire Donatus	ACECoR, University of Cape Coast	1
Dr.	Bernard	Stewart	University of Cape Town	2
Dr.	Celliers	Louis	Hereon	3
Ms.	Diarra	Lillian	Mercator Ocean International	3
Dr.	Du Plessis	Nicole	National Research Foundation - South African Environmental Observation Network (NRF-SAEON)	3
Dr.	Evers-King	Hayley	EUMETSAT	4
Ms.	Gildenhuis	Sanette	CLS Southern Africa	4
Dr.	Giunta	Valentina	Mercator Ocean International	3
Dr.	Hasson	Audrey	Mercator Ocean International	1
Mr	Hawkins	Robert	Fugro	1
Ms.	Innes	Lorien	ESRI Eastern Africa	2
Dr.	Kairo	James Gitundu	Kenya Marine and Fisheries Research Institute	3
Ms.	Lerma	Natalie	NOAA / GEO Blue Planet	2
Dr.	Lobelle	Delphine	Fugro	2
Dr.	Lux	Muriel	Mercator Ocean International	2
Mr.	Mbugua	James	CORDIO East Africa	1
Dr.	Mubea	Kenneth	Digital Earth Africa	2
Ms.	Mwangi	Pauline	KMFRI/ECOPs	1
Dr.	Onganda	Harrison	KMFRI	3
Dr.	Smith	Marie	Council for Scientific and Industrial Research	4
Dr.	Veitch	Jennifer	The South African Environmental Observation Network	2
Mr.	Williams	Ignatius	GMES and Africa Project, University of Ghana	1

Title	Last Name	First Name	Groups	Working session
Ms.	Zouh Tem	Isabella	National Observatory on Climate Change (ONACC) Cameroon	3
Mr.	Adicéam	Ashok	Ministry of Europe and Foreign Affairs, France	
Mrs.	Akrofi	Joana	UNEP / GEMS Ocean and Coast	1
Ms.	Akware	Emmah	Gouvernement of Kenya	3
Mr.	Armando	Alberto	National Emergency Operations Center (CENOE) - Mozambique	2
Dr.	Awolala	David	The African Group of Negotiators Experts Support (AGNES) Nairobi	3
Mr.	Bamba	Abou	Abidjan Legacy Program - Office of the Prime Minister, Cote d'Ivoire	4
Dr.	Bosire	Jared	UNEP / GO-Blue Project	3
Dr.	Diagana	Abdoulaye	Abidjan Convention/UN Environment	1
Ms.	Etta	Linda	Advisor at Ministry of Marine and Blue economy	4
Mr.	Kirugara	David	ENSAFO Group Ltd	4
Mr.	Letaapo	Titus	GEO Indigenous Alliance	1
Dr.	Liu	Ning	UNEP	4
Mr.	Maritim	Zachary	The Nature Conservancy (TNC)	1
Mr.	Miranga	Okindo	World Bank	
Dr.	Munang	Richard	UNEP	2
Mr.	Mwashinga	Edwin	IOC UNESCO / IOCAFRICA	4
Mr.	Ndarathi	John Ngatia	IOC UNESCO / IOCAFRICA	2
Dr.	Saley	Mahaman Bachir	African Union Commission	2
Mr.	Theuri	Mwangi	UNEP - Nairobi Convention Secretariat	1
Ms.	Traore	Marie Suzanna	Réseau régional d'Aires Marines Protégées en Afrique de l'Ouest (RAMPAO)	3
Dr.	Wamukoya	George	African Group of Negotiators Experts Support	2