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**IOC's Sub  
Commission for Africa  
& the Adjacent Island  
States  
IOCAFRICA**

**Prof Kouadio Affian, IOCAFRICA Chair  
32nd session of the IOC Assembly  
20-30 June 2023, Paris, France**

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# Sixth Session of IOC's Sub Commission for Africa and the Adjacent Island States (IOCAFRICA-VI)

**Dates: 13-15 April 2021**

**Venue: Online**

## IOCAFRICA-VI Proposed actions:

1. Establishment of a Regional Planning Group for the UN Decade of Ocean Science for Sustainable Development (**Done – Africa Ocean Decade Task Force**).
2. Extension of the mandate of the IOCAFRICA Strategic Planning Group (**Done – reconstituted to include IOCAFRICA Officers and invited Senior scientists from the region: regular virtual meetings in 2022 and 2023**).
3. Strengthening Collaboration with the African Union Commission (**Done**).
4. IOCAFRICA work programme for 2021-2023 (**in progress**)
  - ✓ Ocean Observations and Data and Information Management
  - ✓ Ocean Sciences and Application to Management
  - ✓ Capacity Development for Marine Science and Technology

***Details on implementation are provided in subsequent slides***

# Ocean Observations and Data and Information Management



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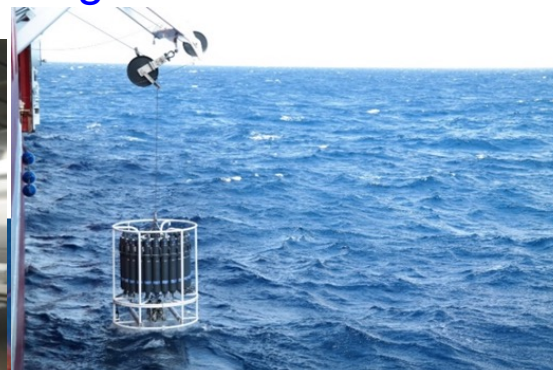
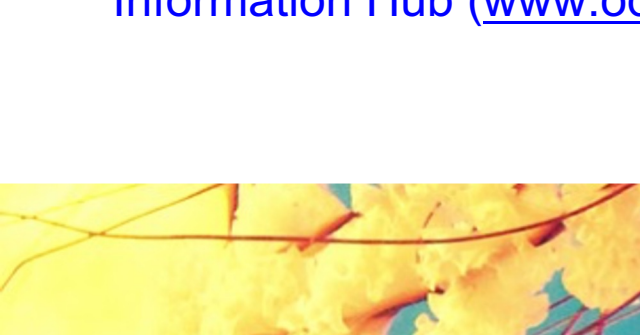
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## ✓ Workshop and webinars:

- GOOS Africa re-activation and collaboration with African Union Commission's GMES and Africa: 2nd GMES and Africa Forum (Dec 2021, Abidjan, Cote d'Ivoire) & GMES and GOOS Africa workshop (Nov 2022, Kigali, Rwanda)
- Ocean Related Hazards in the Gulf of Guinea, 13-14 October 2021, online
- Review of the status of ocean observation platforms in Africa and the Adjacent Island States (8 June 2021 and 23 March 2022),
- Reactivation of the Ocean Data and Information Network for Africa – ODINAFRICA (24 March 2022)

## ✓ Migration of the African Coastal and Marine Atlas to the new GeoNode software and planned further development and updates of the national and subregional Atlases.

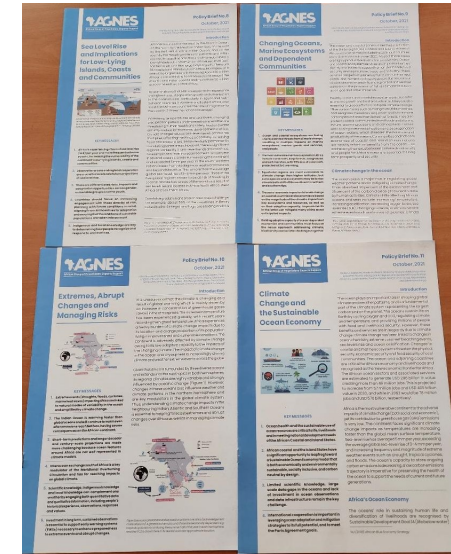
## ✓ Development of the ODINAFRICA portal as the regional node for the Ocean Information Hub ([www.odinafrica.org](http://www.odinafrica.org))



# Ocean Sciences and Application to Management



- Policy briefs on climate change adaptation in coastal zones focusing on (i) Sea Level Rise and Implications for Low-Lying Islands, Coasts and Communities, (ii) Changing Oceans, Marine Ecosystems and Dependent Communities, (iii) Extremes, Abrupt Changes and Managing Risks and (iv) Climate Change & Ocean Economy
- Case studies on Gender and poverty perspectives in Madagascar, Kenya and Tanzania
- Marine Spatial Planning national workshop for the Comoros
- Marine Spatial Planning and Blue Economy in Kenya
- DETECTION AND EARLY WARNING SYSTEMS FOR HARMFUL ALGAE AFRICA (Potential Member States partners and beneficiaries: Alexandria University, EGYPT ; Institut National de Recherche Halieutique MOROCCO; Directorate of Aquaculture and Inland Fisheries NAMIBIA; Institut National Scientifique et de la Technologie de La Mer, TUNISIA)
- Ocean Acidification research and observation – increasing capacity to manage and reduce the impacts of ocean acidification in Africa (CRO, Cote d'Ivoire; IHSM, Madagascar; and NIOMR, Nigeria).



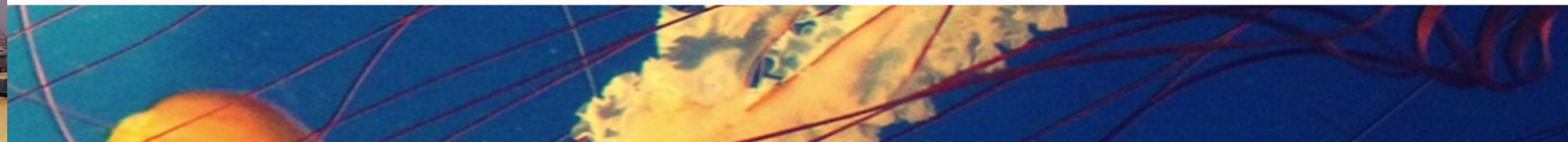
# Capacity Development for Marine Science and Technology



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- ✓ AFRICAN PORTAL ON TRAINING OPPORTUNITIES - <https://africa.marinetraining.org/>
- ✓ OCEAN TEACHER GLOBAL ACADEMY
  - In Ghana (24 January-4 February 2022) on Earth Observation data and techniques for fisheries management (online) and benefitting 17 participants from 14 African countries;
  - At the Flanders Marine Institute (VLIZ), Belgium (28 March-6 May 2022) on Ocean Data Management (online), and benefitting ten participants from six African countries;
  - in Mozambique (9 May-31 October 2022) on Oceanographic data collection techniques and accessing free online data (online) and benefitting six participants from three African countries;
- ✓ TRAINING COURSE ON VESSEL-BASED OCEAN MONITORING WITH APPLICATIONS TO R/V DR FRIDTJOF NANSEN SURVEYS (IOCAFRICA, FAO/EAFNANSEN and OTGA, Swakopmund, Namibia) benefiting 13 participants from 8 African countries
- ✓ REMOTE SENSING APPLIED TO OCEANOGRAPHY, 5-9 December 2022, Abidjan, Côte d'Ivoire , benefiting 15 participants from 8 African countries



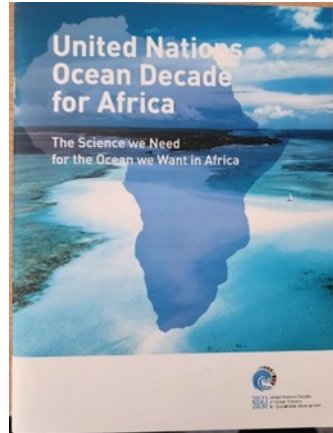
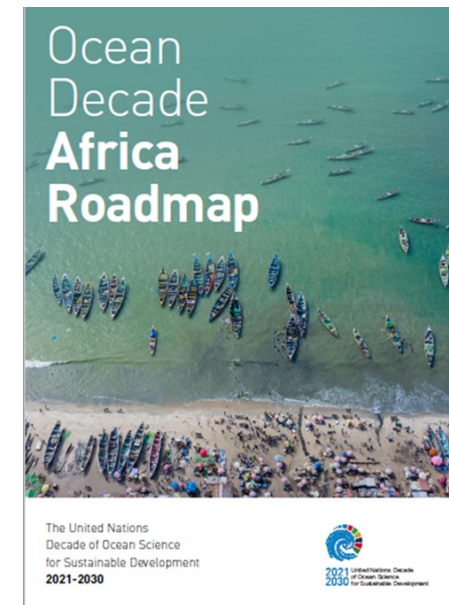
# UN Decade of Ocean Science for Sustainable Development.

1. Regional codesign workshop online November 2021
2. Regional Gap Analysis
3. Development of Ocean Decade Africa Roadmap
4. African Conference on Priority Setting and Partnership for the UN Decade of Ocean Science for sustainable development (10-12 May 2022)
5. National Ocean Decade workshops in Ghana, Madagascar and Tanzania
6. Africa Ocean Decade Task Force (October 2022)
7. Publication of Roadmap and Booklet (with ECOPS)
8. Establishment of Africa Ocean Decade task Force
9. Special sessions on the Africa Roadmap at the UN Ocean Summit (Lisbon, Portugal), WIOMSA Scientific Conference (South Africa), COP27 (Egypt).



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Under Auspices of

**Prof. Khaled Abd El-Ghaffar**  
Minister of Higher Education and Scientific Research

**Prof. Amr Hamouda**  
President of National Institute of Oceanography and Fisheries (NIOF)

**Dr. Vladimir Ryabinin**  
Executive Secretary, IOC-UNESCO

**AFRICAN OCEAN 2022**

"African Conference on Priority Setting & Partnership Development for the UN Decade of Ocean Science for Sustainable Development"  
Current Status, Challenges and Opportunities

HYBRID CONFERENCE WITH LIMITED PHYSICAL PRESENCE

[www.africanocean-iocegypt2022.com](http://www.africanocean-iocegypt2022.com)

10 / 12 May 2022

From 12 PM On 10 May  
From 9 AM On 11, 12 May

GRAND NILE TOWER HOTEL (FORMERLY GRAND HYATT) GARDEN CITY, CAIRO

# Seventh Session of IOC's Sub Commission for Africa and the Adjacent Island States (IOCAFRICA-VII)



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**Dates: 15-17 March 2023**

**Venue: Nairobi, Kenya**

## IOCAFRICA-VII Recommendations

1. Regional Implementation of the UN Decade of Ocean science for Sustainable Development
2. GOOS–AFRICA
3. Partnerships and Resource Mobilization
4. IOCAFRICA work plan and budget for 2023-2025



## Re-election of IOCAFRICA Officers for another term 2023-2025

|                     |                                     |
|---------------------|-------------------------------------|
| Chair :             | Prof Kouadio Affian (Côte d'Ivoire) |
| Vice Chair Group A: | Dr Ir. Zacharie Sohou (Benin)       |
| Vice Chair Group B: | Cândida Inês Sete (Mozambique)      |
| Vice Chair Group C: | Dr Suzan M. El-Gharabawy (Egypt)    |





# OTHER IOCAFRICA-VII RECOMMENDATIONS.



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## ***Regional Implementation of the UN Ocean Decade***

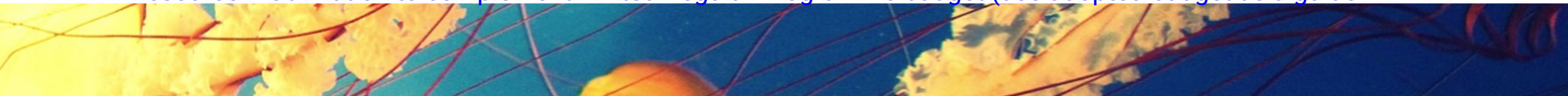
- Development and implementation of Regional Ocean Decade Actions
- Establishment and running of a regional Decade Coordination Office
- Special session on Africa at the 2nd UN Ocean Decade Conference (April 2024, Barcelona, Spain)
- Africa Ocean Decade Conference in 2025 to mark the mid-point of the UN Ocean Decade and the end of the Decade of Africa Oceans and Seas.

## ***GOOS–AFRICA***

- Implementation of the GOOS-Africa work plan (*developed in collaboration with the AUC's GMES and Africa project*)
- Joint regional cruises in the context of the Africa Decade of Oceans and Seas and the UN Decade of Ocean Science for Sustainable Development
- Support by Member States in the region for national ocean operational centres and observation systems
- Strengthening of the GOOS-Africa Coordination Office at the Centre Universitaire de Recherche et d'Application en Télédétection – CURAT (Abidjan, Côte d'Ivoire).

## ***Partnerships and Resource Mobilization:***

- Developing and strengthening partnerships with other organizations/programmes
- Resource mobilization to complement limited Regular Programme budget (use adopted budget as a guide)



# IOCAFRICA WORK PLAN 2023-2025

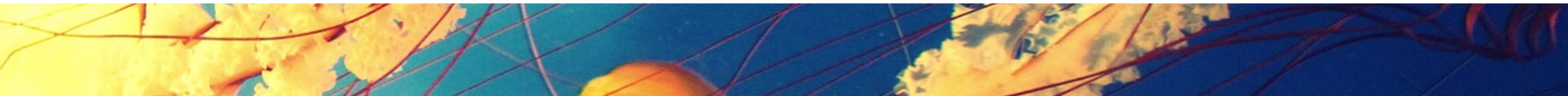
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- **Ocean Observations and Data and Information Management:** Oceanographic surveys, installation and maintenance of tide gauges, strengthening of the ocean data and information network for Africa, establishment of an African natural hazards warning system, strengthening of GOOS Africa **(USD380,000)**.
- **Ocean Sciences and Application to Management :** Vulnerability and adaptation of coastal ecosystems to Climate change, ocean acidification, harmful algal blooms, assessment of marine pollution and related parameters, Marine Spatial Planning, preparation of policy briefs and advocacy materials. **(USD640,000)**
- **Capacity Development for Marine Science and Technology:** training on-board oceanographic research vessels, workshops on – marine applications of remote sensing, modelling, ocean observations and forecasting, data and information management, eDNA, etc **(USD800,000)**
- **Ocean Literacy, Public Awareness and Advocacy:** Ocean literacy/awareness activities especially targeting youth, revamping of IOCAFRICA websites, organizing special session on Africa and the 2<sup>nd</sup> UN Ocean Decade Conference in Barcelona, Spain in April 2024, and an Africa Ocean Decade Conference in 2025. **(USD140,000)**



# BUDGET ALLOCATION TO IOCAFRICA 2018-2023

***(UNESCO and IOC GLOBAL PRIORITY???)***

## REGULAR PROGRAMME



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| BIENNIUM               | YEARS          | IOCAFRICA ALLOCATION | IOC PROGRAM BUDGET | PERCENTAGE OF PROG BUDGET TO IOCAFRICA |
|------------------------|----------------|----------------------|--------------------|--|
| <b>39C5</b>            | <b>2018-19</b> | <b>205,000</b>       | 2,659,100          | <b>0.077</b>                           |
| <b>40C5</b>            | <b>2020-21</b> | <b>205,000</b>       | 2,602,300          | <b>0.078</b>                           |
| <b>41C5</b>            | <b>2022-23</b> | <b>138,000</b>       | 1,834,800          | <b>0.075</b>                           |
| 42C5 ZNG scenario      | 2024-25        | 167,900              | 2,206,937          | <b>0.076</b>                           |
| 42C5Base Case scenario | 2024-25        | 238,895              | 3,587,583          | <b>0.066</b>                           |

- China Trust funds (Capacity development ranged from USD30k to USD50k/per year)
- Flanders-Belgium (OTGA and Ocean Info Hub)
- Norway funds (in 2020 to 2021 total USD441k): *Training portal 45k; HAB 207; Ocean Acidification 189k*
- Sweden Funds (Regional Ocean Decade, MSP & Ocean Literacy implementation)
- Spain (programme in the CCLME region)

IN-kind contribution: Cote d'Ivoire, Egypt, Kenya, Mozambique, South Africa

Partners contributed significantly for joint implementation of activities: WIOMSA, AUC, UNEP Nairobi and Abidjan Conventions

# IOCAFRICA-VII WORK PLAN AND BUDGET-1



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| ACTIVITY   | BUDGET ESTIMATE | TOTALS             |
|--|-----------------|--------------------|
| <b>Ocean Observations and Data and Information Management</b>  |                 | <b>USD 380,000</b> |
| Activity 1.1: Travel support for Oceanography training and survey (Nigerian and South Africa research vessels)           | USD20,000       |                    |
| Activity 1.2: Installation and maintenance of tide gauges  | USD50,000       |                    |
| Activity 1.3: Strengthen and update the ocean data and information network for Africa                                    | USD10,000       |                    |
| Activity 1.4.: Install more marine technology (gliders, Argo floats etc) for surveying                                   | USD200,000      |                    |
| Activity 1.5: African natural hazard Warning System, building on existing UNDRR/AUC initiatives                          | USD100,000      |                    |
| Activity 1.6 Strengthening of the GOOS Africa coordination office at CURAT, Abidjan, Côte d'Ivoire                       |                 |                    |
| <b>Ocean Sciences and Application to Management</b>  |                 | <b>USD 640,000</b> |
| Activity 2.1: Assessment of the vulnerability and adaptation of Africa's marine and coastal ecosystems to climate change | USD20,000       |                    |
| Activity 2.2: Capacity Building for ocean acidification research, observation and detection, and early warning for HABs  | USD100,000      |                    |
| Activity 2.3. Survey and assessment of marine pollution and related parameters   | USD200,000      |                    |
| Activity 2.4. Support for Marine Spatial Planning  | USD300,000      |                    |
| Activity 2.5. Policy briefs and advocacy addressing priorities identified in regional/global processes                   | USD20,000       |                    |

# IOCAFRICA-VII WORK PLAN AND BUDGET-2



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| ACTIVITY   | BUDGET ESTIMATE   | TOTALS               |
|--|-------------------|----------------------|
| <b>Capacity Development for Marine Science and Technology</b>  |                   | <b>USD 800,000</b>   |
| Activity 3.1: On-board training on Egyptian research vessels   | USD400,000.       |                      |
| Activity 3.2: Training on Remote sensing marine applications (2 courses)                                   | USD100,000        |                      |
| Activity 3.3: Training on Modelling, Observations and forecasting (2 courses)                              | USD100,000        |                      |
| Activity 3.4: Training on data acquisition, data processing, interpretation and data archiving (2 courses) | USD100,000        |                      |
| Activity 3.5: Training on eDNA for marine biology (2 courses)  | USD100,000        |                      |
| Activity 3.6: Additional training programs at OTGA-RTCs and UNESCO Chairs                                  |                   |                      |
| <b>Ocean literacy, Public Awareness and Advocacy</b>   |                   | <b>USD 140,000</b>   |
| Activity 4.1: Outreach programs targeting the general populace   | USD20,000.        |                      |
| Activity 4.2: Special session on Africa at 2nd UN Ocean Decade Conference in Barcelona, Spain              | USD50,000         |                      |
| Activity 4.3: African Ocean Decade Conference 2025 (venue, Date TBC)                                       | USD100,000        |                      |
| Activity 4.4: Ocean literacy/awareness   | USD20,000         |                      |
| <b>5. Organization of the Eight session of IOCAFRICA</b>   | <b>USD100,000</b> | <b>USD100,000</b>    |
| <b>Total</b>   |                   | <b>USD 2,060,000</b> |



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**THANK YOU** 