

The Cameroon Fisheries Society (SCH)

The Association of Professionals in Coastal and Aquatic Management (APCAM)

The Cameroon Association for Research and Innovation in Energy and Environmental Technology  
(ACRITEE)

The Cameroon Mangrove Network / Cameroon Wildlife Conservation Society (RCM/CWCS)

The Institute of Research for Development (IRD)

Organize

## AN INTERNATIONAL CONFERENCE

on the theme

## COASTAL VULNERABILITIES, MONITORING AND DEVELOPMENTS

Date: From 04<sup>th</sup> to 05<sup>th</sup> December 2023

Place: At Douala, Cameroon

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## A WORKSHOP

on

## WEST AND CENTRAL AFRICAN COASTAL AREAS MAPPING VULNERABILITY, ADAPTABILITY AND RESILIENCE IN A CHANGING CLIMATE (WACA-VAR)

Date: From 06<sup>th</sup> to 08<sup>th</sup> December 2023

Place: At Kribi, Cameroon

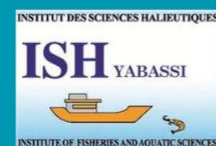


Objective: Popularize research results on issues related to the management, development and monitoring of coastal areas

Our partners

Target public

- Associations
- Universities lecturers
- Researchers
- Professionnals
- Students
- NGOs
- Local authorities
- Companies and societies
- Government authorities



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# SPECIFIC TOPICS

## FOR THE INTERNATIONAL CONFERENCE

### Oral Presentations and Posters

From 04<sup>th</sup> to 05<sup>th</sup> December 2023  
At Douala, Cameroon

#### BIODIVERSITY OF COASTAL ECOSYSTEMS

- Microflora and microfauna
- Responses of micro-organisms to global change
- Bioremediation
- Valorization of microalgae
- Migration of marine species
- Large marine fauna (marine turtles, marine mammals, elasmobranchs, marine birds, etc.)



#### SUSTAINABILITY OF COASTAL ECOSYSTEMS

- Contamination and pollution (indicators, spatial and temporal scales, modeling)
- Habitat degradation (mangroves, benthic and coastal habitats)
- Coastal ecosystem health and water quality (microbiological, physicochemical and biological quality)
- Biogeochemistry (eutrophication, deoxygenation, acidification)
- Salinization of waters (saline intrusion)



#### COASTAL EROSION AND FLOODING

- Coastal erosion
- Extreme swell and flooding events
- Impact of sea level rise
- Coastal currents
- Coastal developments and protection
- Morpho-dynamic of beaches
- Remote sensing and instrumentation
- Hydrodynamic, morphologic and sediment transport modeling
- Coastal geology and bathymetry

#### ECONOMY AND VULNERABILITY OF FISHERIES

- Resilience and fisheries management
- Vulnerabilities and adaptation of tourism territories
- Ecological alternatives to mangrove degradation
- Mapping of economic activities in coastal areas at risk
- Waste collection and water treatment
- Improved smokehouses and dryers for fishery products

- Call for papers: **April 03, 2023**
- Abstract submission deadline: **June 30, 2023**  
(Text in Word format, Times New Roman 12, 1.5 line spacing, 2.5 cm margins, 300 words maximum, Languages: English or French)
- Notification deadline: **July 15, 2023**
- Deadline for submission of papers: **September 30, 2023**
- Evaluation of papers: **October 15, 2023**
- Deadline for receipt of corrected papers: **November 15, 2023**
- Registration deadline: **November 15, 2023**

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# THE WORKSHOP SESSIONS

Training and scientific research

From 06<sup>th</sup> to 08<sup>th</sup> December 2023  
At Kribi, Cameroon

## MEPELS NUMERICAL MODELING

- MEPELS : Model of the evolution of sandy beaches and coastal environments
- Open sources codes
- Xbeach and Croco models
- Training for potential users

## USING SATELLITE DATA

- Topographic measurements using satellite data
- Detecting the shoreline from satellite data
- S2Shores bathymetry from Sentinel 2 imagery
- Training for potential users

## AFRICAN COASTAL VIDEO CAMERAS NETWORK

- All-in-one collecting system of hydrodynamic and morphological parameters at the coast
- Github for sharing processing codes
- Training for potential users



## WACA-VAR ACTIVITIES

- Presentation of activities carried out
- Presentation and implementation of the International Research Network
- Funding and projects

## MANGROVE SUSTAINABILITY

- Associations / networks in action
- Presentation of activities carried out
- Funding and projects

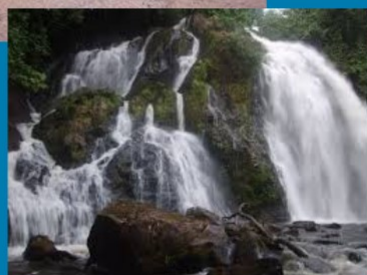
## FACILITIES AND VULNERABILITIES OF LOCAL COMMUNITIES

- Identifying vulnerabilities
- Solutions and facilities
- Funding and projects

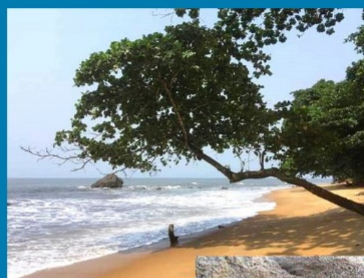
## STATE OF THE ART ON COASTAL VULNERABILITIES IN WEST AND CENTRAL AFRICA

- Articles for the special issue
- Ensure the mobility of scientists, teachers, students, etc.

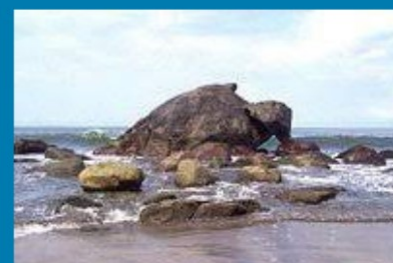
Visit to the Lobé Falls



Visit of the Ebodjé beach (nesting site of marine turtles)



Visit to Wolf Rock



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## Conference and Workshops Fees

Enseignant - Chercheur - Professionnel : 25 000 FCFA

Etudiant : 15 000 FCFA



### General coordination

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