



UNIVERSITY OF  
CAPE COAST



# Centre for Coastal Management

*Prof. Denis W. Aheto (PhD)*

Director

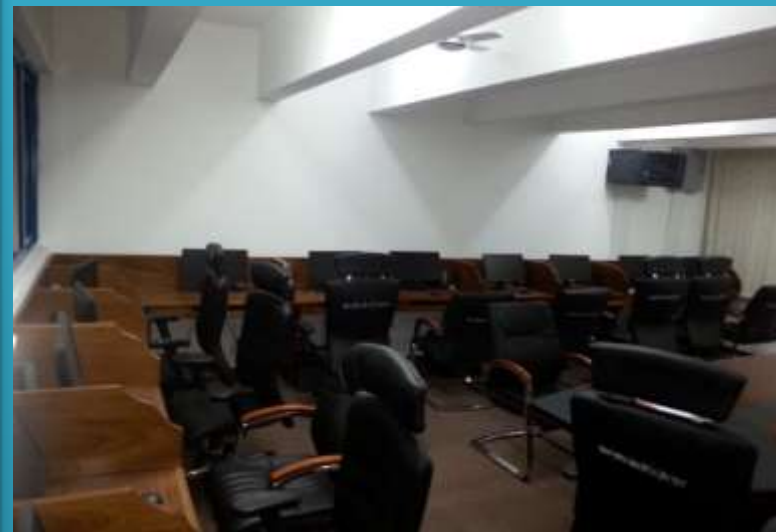
*Delivered at Orientation Programme for Postgraduate students of  
ACECoR at the University of Cape Coast*

*16<sup>th</sup> October, 2019*

# CCM'S Website

The screenshot displays the homepage of the Centre for Coastal Management (CCM) website. The browser's address bar shows the URL <https://ccm.anansewaa.com/#>. The website header features the CCM logo, which includes a globe and the text "CENTRE FOR COASTAL MANAGEMENT" and "UNIVERSITY OF CAPE COAST". To the right of the logo are navigation buttons for "HOME", "CONTACT", and "SEARCH". Below the header is a horizontal menu with the following items: "About" (subtext: *Know Us*), "Our Team" (subtext: *Our Backbone*), "Partnerships" (subtext: *About Partners*), "Projects" (subtext: *Our Activities*), "Publications" (subtext: *Policy & Research*), "Press Centre" (subtext: *News and more*), and "Links" (subtext: *Other Links*). The main content area features a large banner image of a group of delegates at a conference. The banner includes the text "CONFERENCE ON FISHERIES AND COASTAL ENVIRONMENT" in large white letters. To the right of the image, there is a caption: "Section of delegates at the just ended conference on Fisheries and Coastal Environment" and a pink "MORE" button. The Windows taskbar at the bottom shows the search bar with the text "Type here to search", various application icons, and the system clock displaying "7:13 AM 12/7/2017".

- Development of Proposal & Strategic Plan (2012)
- Approval for the establishment of CCM on December 9, 2013
- 8-member Advisory Board in place July 7, 2014
- Allocation of Office Space at CELT
- Draft Strategic Plan (2017-2022)
- Draft Research Policy Developed (2017-2022)
- Grants/ Proposal writing



# Vision Statement

To become a Centre of Excellence in coastal management with capacity to ensure healthy coastal ecosystems for sustained provision of goods and services in collaboration with public and private institutions both locally and internationally

CCM Strategic Plan (2012-2017)

# Mission Statement

The Centre for Coastal Management (CCM) at University of Cape Coast (UCC) aims to achieve an appropriate balance between the conservation and utilization of Ghana's coastal resources through integrated scientific research, education of the future generation of scientists and coastal management practitioners, community collaboration and outreach

CCM Strategic Plan (2012-2017)



# CRITICAL ACTIVITIES

- Market ACECoR as a focal point for research on coastal zone issues in Africa
- Identify partners for sustained funding
- Strengthen ICM library
- Undertake awareness campaigns in ICM, fisheries management and climate change
- Engage policy makers & stakeholders
- Occasional briefs for public consumption
- Established a laboratory for with equipment for aquatic environmental testing
- Assist communities with complementary income generation activities
- Business plan for EIA and SIA services



# CURRENT / ONGOING ACTIVITIES

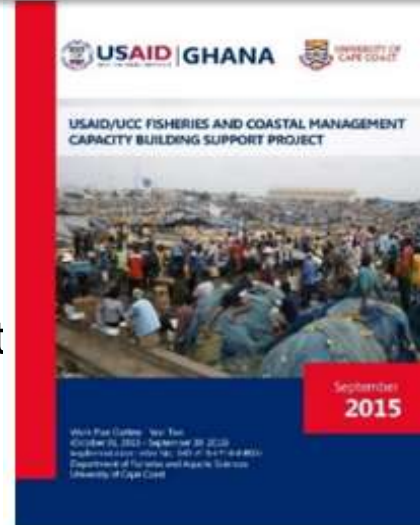
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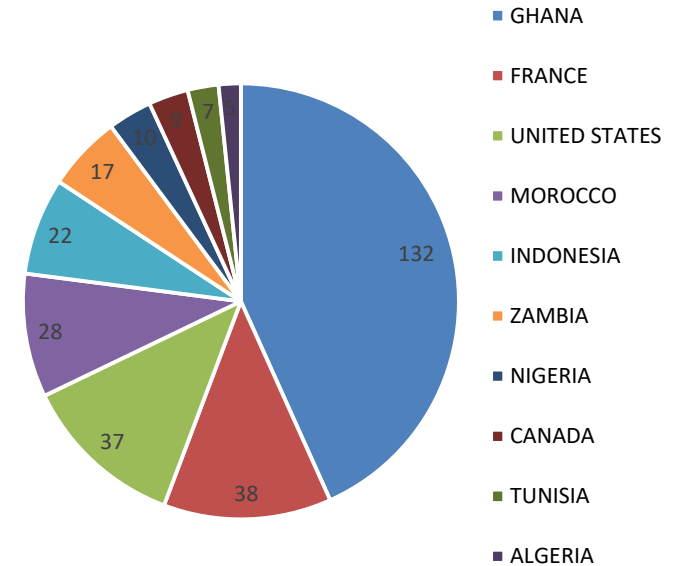
THE WORLD BANK



- I. **World Bank funded** Africa Centre of Excellence in Coastal Resilience (ACECoR)
- II. **USAID** funded Fisheries and Coastal Support Project
- III. **DANIDA funded** Research-based management of Gulf of Guinea
- IV. **National Geographic Society Funded-** Beach dynamics studies through video monitoring in West Africa
- V. **French Embassy in Ghana:** Beach resilience and development along the Ghanaian coast through remote sensing
- VI. **Funded by Third World Academy of Science** Funded by the Ghanaian Beach Monitoring Project



# FishComGhana: Advancing Ghana's coastal and fisheries knowledge base



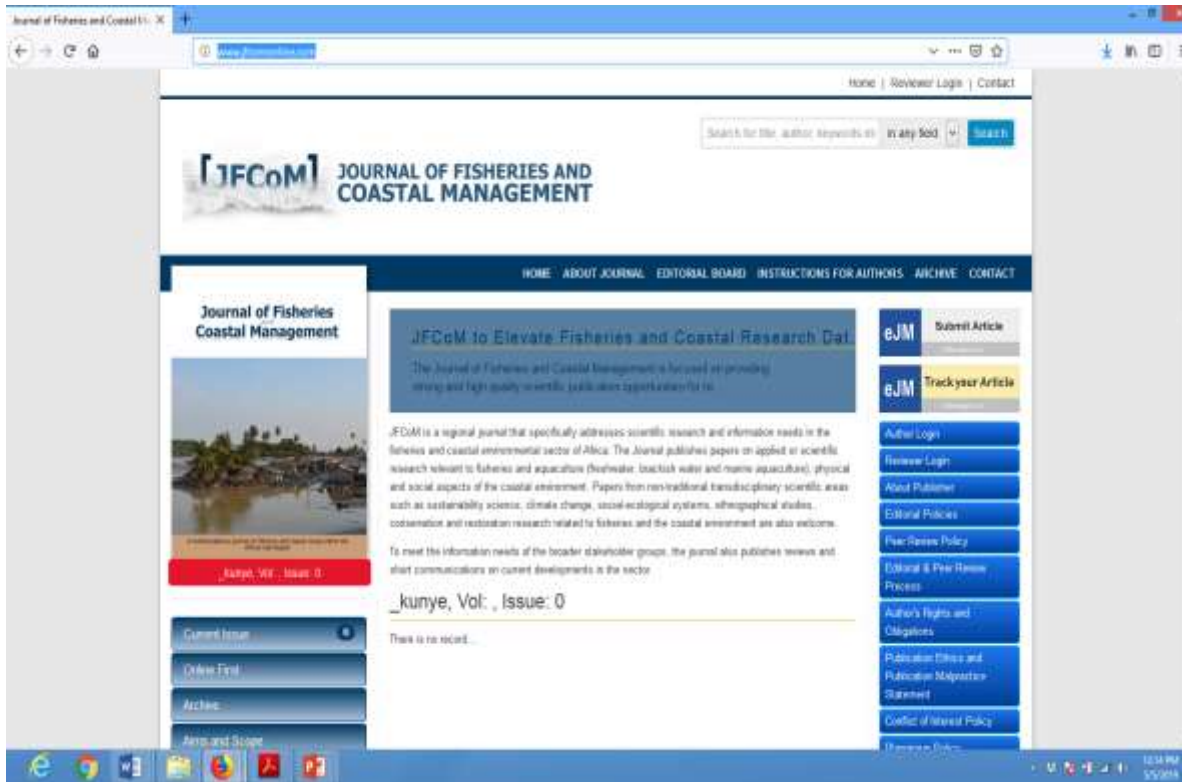
N = 374; Marine= 198; Coastal 84; Freshwater= 92; Page referrals = 848; Visits = 79,000;

<https://fishcomghana.com/>



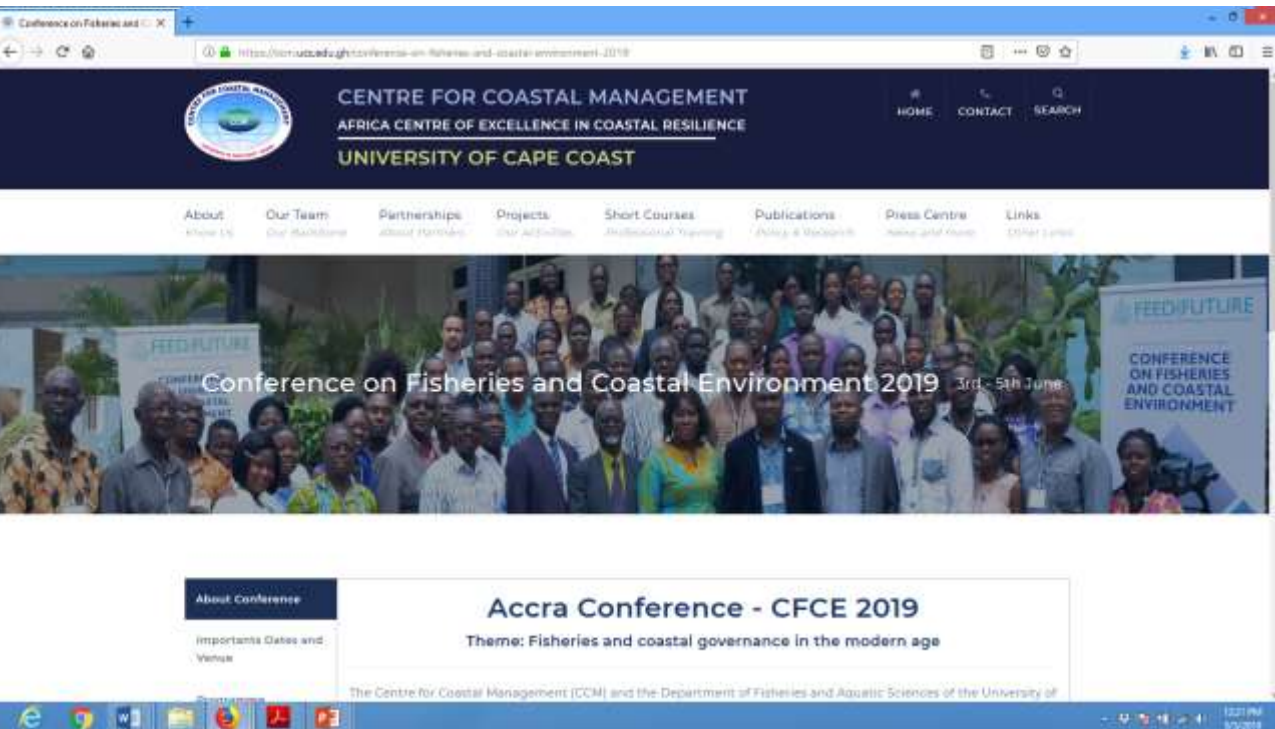
# Journal of Fisheries and Coastal Management (JFCoM)

Regional scientific journal providing information needs in the fisheries and coastal environmental sector of Africa. The Journal also publishes papers on applied or scientific research relevant to fisheries and aquaculture (freshwater, brackish water and marine aquaculture), physical and social aspects of the coastal environment.



<https://fishcomghana.com/>

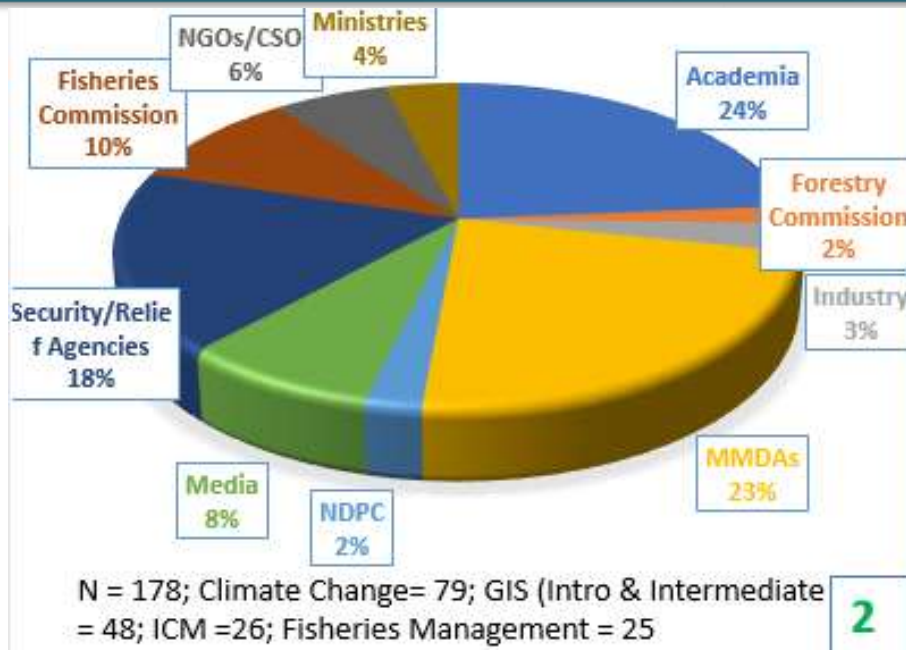
# *Biannual Conference on Fisheries and Coastal Environment (CFCE)*



Accepted abstracts will be published in a Book of Abstracts. Outcomes of the conference will be published as a Communique and resulting scientific papers accepted will be published in the peer reviewed Journal of Fisheries and the Coastal Management.

<https://fishcomghana.com/>

# Professional short courses








# Drone (UAV) Pilot Certification by the Ghana Civil Aviation Authority



R28-CA-009

## REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS) PILOTING LICENCE #




[GCAA/RPAS-014]

- The holder of this licence has met the requirements of Ghana Civil Aviation Authority for the issuance of an RPAS Piloting Licence:
  - Name: **Bernard EKUMAH**
  - Date of Birth: **04 / 06 / 1987**
  - Nationality: **GHANA**
  - Sex: **M**
  - Address: **Cape Coast**
- Is restricted to operating or flying only the type(s) of Remotely Piloted Aircraft System (RPAS) or drone under the following Conditions and Limitations attached.
- Any other RPAS activity, apart from those stated in this licence, shall constitute a violation of the Ghana Civil Aviation Flight Standards Directives and the holder may be liable to fine, imprisonment or both.
- This licence is invalid without the attached Conditions and Limitations.**
- The validity of the licence is 5 years but must be renewed every year** to allow the holder to continue operating or flying the type(s) of RPAS or drone under the conditions and limitations stated herein.
- This licence allows the holder to fly his/her RPAS within Visual Line of Sight, below four hundred (400) feet above ground level and only during daytime unless otherwise stated in the attached Conditions and Limitations.
- Notwithstanding the above, the holder is required to adhere to all the provisions of the Ghana Civil Aviation Flight Standards Directives as well as all local and national laws as applicable when operating or flying RPAS approved for his/her use.
- The Holder shall have this licence in his/her possession when operating an RPAS and shall make it available upon request to any relevant authority.
- Signature of Holder: 
- Signature and stamp of approving Inspector:  
- Date of Issue: **[16/04/2019]**
- Date of Expiry: **[15/04/2020]**



R28-CA-009

## CONDITIONS AND LIMITATIONS

- | Make and Model of RPAS: | Date of endorsement: |
|-------------------------|----------------------|
| DJI Phantom IV Series   | 16/04/2019           |
| DJI Phantom III Series  | 16/04/2019           |
- Limitations:  
**Flight Operations only with GPS mode**
- Exemptions:  
**None specified.**
- Special Authorisations:  
**None specified.**
- Medical Expiry: **14/03/2023**
- English Language Proficiency: **N/A**
- Signature of Holder:  

- Signature and stamp of approving Inspector:  
 
- Date of Issue: **[16/04/2019]**
- Date of Expiry: **[15/04/2020]**



# AFRICA CENTRE OF EXCELLENCE IN COASTAL RESILIENCE FOR COASTAL RESILIENCE (ACECoR)

A Novel Approach to Coastal Adaptation and  
Resilience to Action on West Africa's  
Disappearing Coastal Zones



WORLD BANK GROUP



Association of  
African Universities

Association des universités africaines  
ةيفف ةرفألا تا ءمرا ءل ءطبار

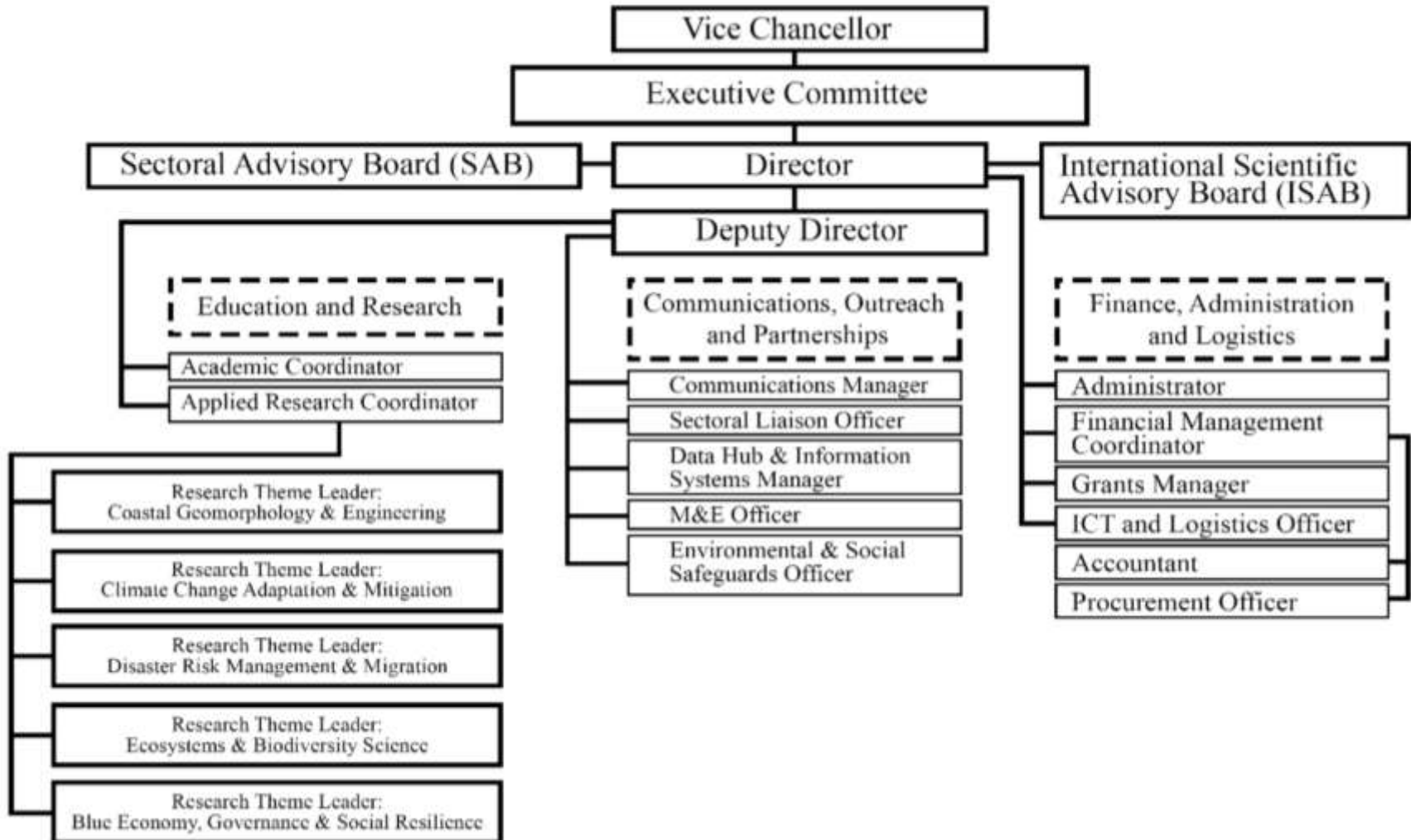


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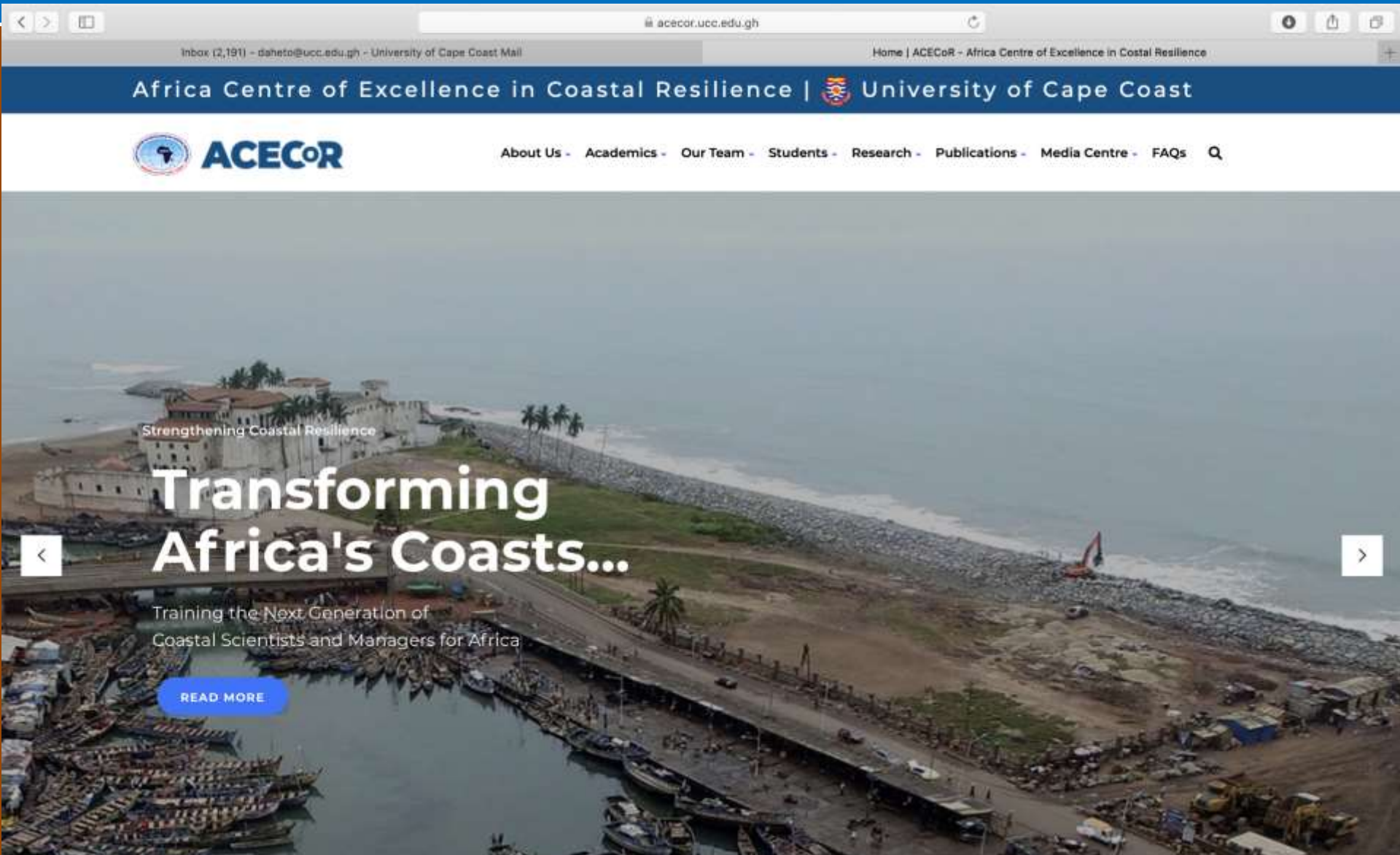


GHANA

# ACECoR Organogram



# Website



Inbox (2,191) - daheto@ucc.edu.gh - University of Cape Coast Mail

acecor.ucc.edu.gh

Home | ACECoR - Africa Centre of Excellence in Coastal Resilience

Africa Centre of Excellence in Coastal Resilience |  University of Cape Coast



[About Us](#) - [Academics](#) - [Our Team](#) - [Students](#) - [Research](#) - [Publications](#) - [Media Centre](#) - [FAQs](#) 

Strengthening Coastal Resilience

## Transforming Africa's Coasts...

Training the Next Generation of  
Coastal Scientists and Managers for Africa

[READ MORE](#)



# Rationale

- The degradation occurring in the coast of West Africa is complex in nature.
- Occurring in the face of rapid urbanization and population growth as well as economic growth fueled by the discovery of petroleum reserves
- Innovative approaches are urgently needed to strengthen the coastal communities as well as promote resilience in order to stem the coastal degradation.





# 1. Collaborative innovations



*Collaborative innovation* is a process in which multiple players within and outside an organization contribute towards creating and developing new products, services, processes and solutions using the **3 C's - Co-design, Coordination, & Communication**)



# 1. Collaborative innovations

- *Building synergies across development partners. USAID, World Bank, DANIDA*
- *Engagement in collective research and training in universities (i.e. the ACE model in coastal resilience)*
- *Regional facilitation programs i.e. faculty exchanges, conferences/ workshops, open access to research information, dual degrees  
Network of experts in coastal management*





# 1. Collaborative innovations

- *Community engagement* and the use of traditional knowledge
- *Deepen role of multiple NGOs and Civil Society* (such as Nature Today, FoN, Hen Poano etc)
- Engage private sector through industry partnerships in designing new products for training and capacity building
- Informed use of the social media (Facebook, twitter, skype, etc.)



# 2. Deepened role of academic and research institutions

## **ICT for Coastal Management**

- Introduce educational technologies, Smart classrooms for online teaching and web-conferencing, use virtual learning platforms (e.g. podcasts, infographic tools)
- Supplying computer hardware and software to deliver courses to the expected standards
- Development of digital stories, pictorial and video data to support teaching and learning
- Remote sensing data (e.g. satellite imagery) and mapping using drones etc.
- Creation of online databases and regional journals for data storage and information sharing (e.g. FishCoMGhana; JFCoM)





# 2. Deepened role of academic and research institutions

## ***Human capital development***

- Focus on postgraduate training (PhD and Masters). Post-docs and short-course programs geared to help resources managers and researchers etc.
- Applied research; demand-driven from industry and society (e.g. studying the impacts of pollution on coastal ecosystems and biodiversity, disaster risk management, valuation of ecosystem services, modelling and forecasting coastal processes)



## 2. Deepened role of academic and research institutions

### **Human capital development**

- Introduction of new academic curricula with strong industry linkages e.g. coastal engineering, hazards and disaster risk management, and migration, observer programs; blue economy, marine meteorology, social resilience
- Modular methods of teaching
- Regionalization through staff & student exchanges
- Seeking international accreditation for programs
- Introduction of short courses for professionals

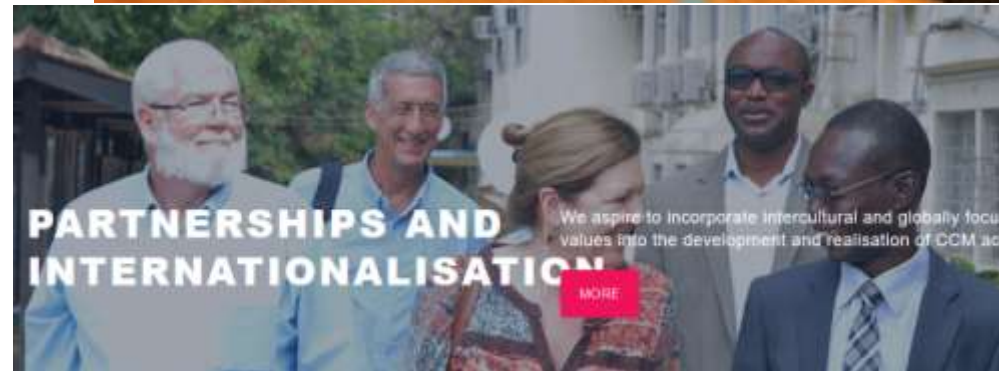


# 2. Deepened role of academic and research institutions

## 2. Deepened role of academic and research institutions

### *Human capital development*

- Pursuing dual degrees
- In-country and regional Study tours, industrial attachments
- Investments in scientific equipment for regional environmental testing
- Provide incentives for teaching & research and in-service training for professionals. (e.g. joint research and publications)
- Sustainable financing mechanisms to include provision of scholarships for students





# 3. Focus on Blue Economy

## ***Incubation and Regional Stimulation Labs with World Bank WACA Programme***

- Investments in entrepreneurial skills to address coastal management challenges
- Sustainable financing mechanisms to include provision of incentives and business-startup funds for new businesses
- Regional networking of institutions in Coastal Resilience



# Future perspectives – ACECoR Site Location



# *Future perspectives – ACECoR Building*

- Lecture rooms – 5 classrooms (with three smart): three 30 seating capacity per room; and two 15 seating capacity
- Laboratories – 4 (large general lab (1), specialized labs (2 – organic and inorganic), wet lab (1))
- Offices for faculty and postdocs – 20
- Offices for PhD students - 1 large room partitioned with 40 cubicles
- ICT Lab with Office – Large room for computers ( 30 computers)
- Simulation room – 1
- Meetings and Board rooms – 3 rooms (1 relatively big (30) , and Library with books and installed e-facility – 1 for 50 seating capacity
- Mini auditorium –150 seater





THANK YOU



