



AFRICAN UNION  
**INTERAFRICAN BUREAU  
FOR ANIMAL RESOURCES**



# Department of Fisheries and Aquatic Sciences

(AU Centre of Excellence in Marine Fisheries and Coastal Zone Management)

University of Cape Coast, GHANA

**Noble K. Asare (PhD)**

Centre Leader

(27 January 2023)



# Outline

## Department of Fisheries and Aquatic Sciences, University of Cape Coast and

- Background
- Organisational Structure
- Teaching and Research
- Funded Projects



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Background

- The University of Cape Coast is a seafront University in Ghana established in 1962
- Has a total student population of about 80,000



# Department of Fisheries and Aquatic Sciences, University of Cape Coast



UNIVERSITY of  
CAPE COAST



The Performance of the University of Cape Coast in the

## TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKINGS 2023



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Background

- The Department of Fisheries and Aquatic Sciences (DFAS) was established in 2002
- 1 of 7 Departments and a Centre under the **School of Biological Sciences** within the **College of Agriculture and Natural Sciences**



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Background

### **MANDATE**

To provide training, research and extension services for the sustainable management of fisheries and aquatic resources



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Background

### VISION

To be a regional centre of excellence in research, training and extension in fisheries and aquaculture

### MISSION

To constantly develop and use highly qualified expertise to provide training, research and extension for the sustainable management of aquatic resources.



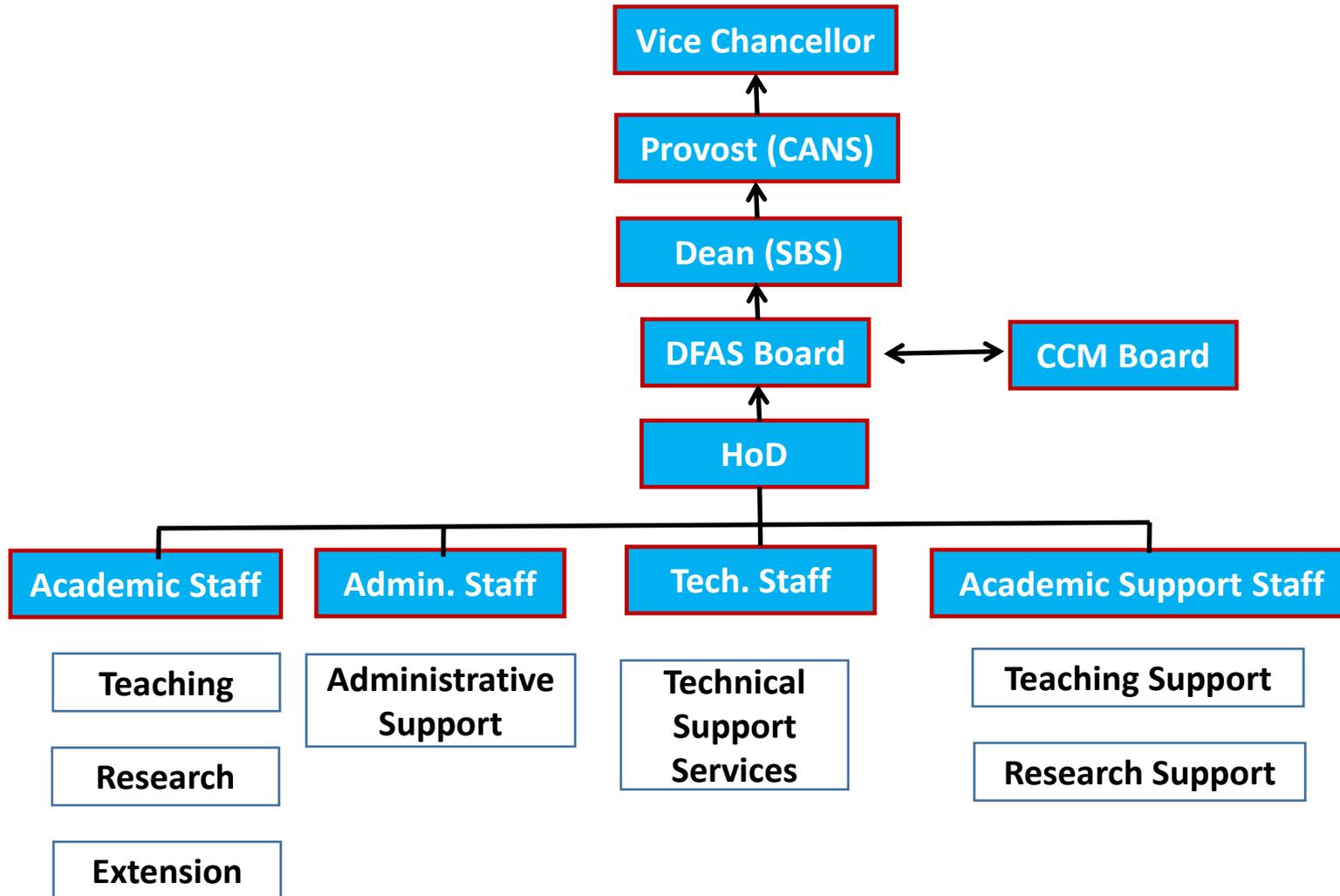
# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Organisational Structure

- There are **five colleges** in the University including the College of Agriculture and Natural Sciences
- DFAS is one of **seven Departments and a Centre** within the School of Biological Sciences (SBS), College of Agriculture and Natural Sciences
- The SBS presently has two (2) Centres of Excellence including the AU-Centre of Excellence in Marine Fisheries and Coastal Zone Management



# Organisational Structures



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Teaching and Research Activities

- DFAS runs one(1) undergraduate and eight (8) postgraduate academic programmes
  - BSc. Fisheries and Aquatic Sciences
  - MPhil. & PhD. Fisheries Science
  - MPhil. & PhD. Aquaculture
  - MPhil. & PhD. Integrated Coastal Zone Management
  - MPhil. & PhD. Oceanography and Limnology

Runs Dual Degrees (PhD Fisheries Science, ICZM) with the University of Rhode Island, USA



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Teaching and Research

- Mandates of DFAS: Teaching, Research & Extension
- Has trained about 120 postgraduate students in four (4) thematic areas in the past 5 years
  1. Fisheries Science
  2. ICZM
  3. Oceanography & Limnology
  4. Aquaculture

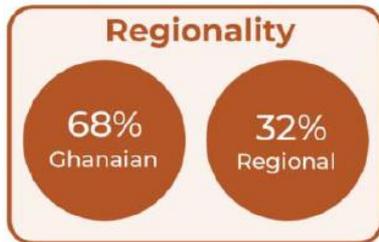


# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Teaching and Research

- 9 Countries  
- 30 PhD  
- 58 MPhil

April, 2021



Nationality of DFAS Students  
Geographical Distribution



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Teaching and Research

- DFAS has twelve (12) full time academic staff that conduct research in all 4 thematic areas
  - 2 Professors
  - 1 Associate Professor
  - 5 Senior Lecturers
  - 4 Lecturers



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Teaching and Research

- Key Expertise & Research Areas
  - Fisheries science and management
  - Fisheries governance
  - Shellfish and finfish aquaculture
  - Coastal resources management
  - Marine science and ecology
  - Ecological risk assessment and modelling
  - Ecotoxicology and water quality management
  - Coastal geomorphology and processes
  - Marine biogeochemistry and pollution
  - Oceanographic and limnological processes



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Teaching and Research

- Well equipped laboratories for teaching and research
  - Fisheries and Coastal Research Laboratory
  - Wet Laboratory
  - Off-campus joint aquaculture facility with Ainoo-Ansah Farms



# Department of Fisheries and Aquatic Sciences, University of Cape Coast



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Funded Projects

Key funded projects implemented by DFAS include:

1. 2021-2023: The Hotspot of Multiple Stressors: Research-Based Management of Gulf of Guinea II
  - Amount: **US\$ 800,000**
  - Funding agency: DANIDA
  - Role of DFAS: Co-implementer



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Funded Projects

Key funded projects implemented by DFAS include:

2. 2018-2021: Development of bacteriophage cocktails as disease biocontrol agents for improved aquaculture productivity, food and nutrition safety in Ghana and Uganda
  - Amount: **US\$ 797,181.50**
  - Funding agency: AU-IBAR
  - Role of DFAS: Co-implementer



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Funded Projects

### 3. 2018-2020: The Hotspot of Multiple Stressors: Research-Based Management of Gulf of Guinea I

- **Amount: US\$ 800,000**
- **Funding agency: DANIDA**
- **Role of DFAS: Co-implementer**



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## Funded Projects

### 4. 2014-2020: Fisheries and Coastal Management Capacity Building Support Project

- **Amount: US\$ 5.5 million**
- **Funding agency: USAID**
- **Role of DFAS: Lead implementer**



OF FIS  
SCIE



# Department of Fisheries and Aquatic Sciences, University of Cape Coast

## Funded Projects

5. 2014-2016: A Public-Private Partnership to Establish a Fish Farming Training Centre of Excellence in Ghana

- **Amount: US\$ 250,000**
- **Funding agency: DANIDA/World Bank/COTVET**
- **Role of DFAS: Lead implementer**



**END**

