



Oceanography activities at Félix Houphouët-Boigny University

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BACKGROUND INFORMATION

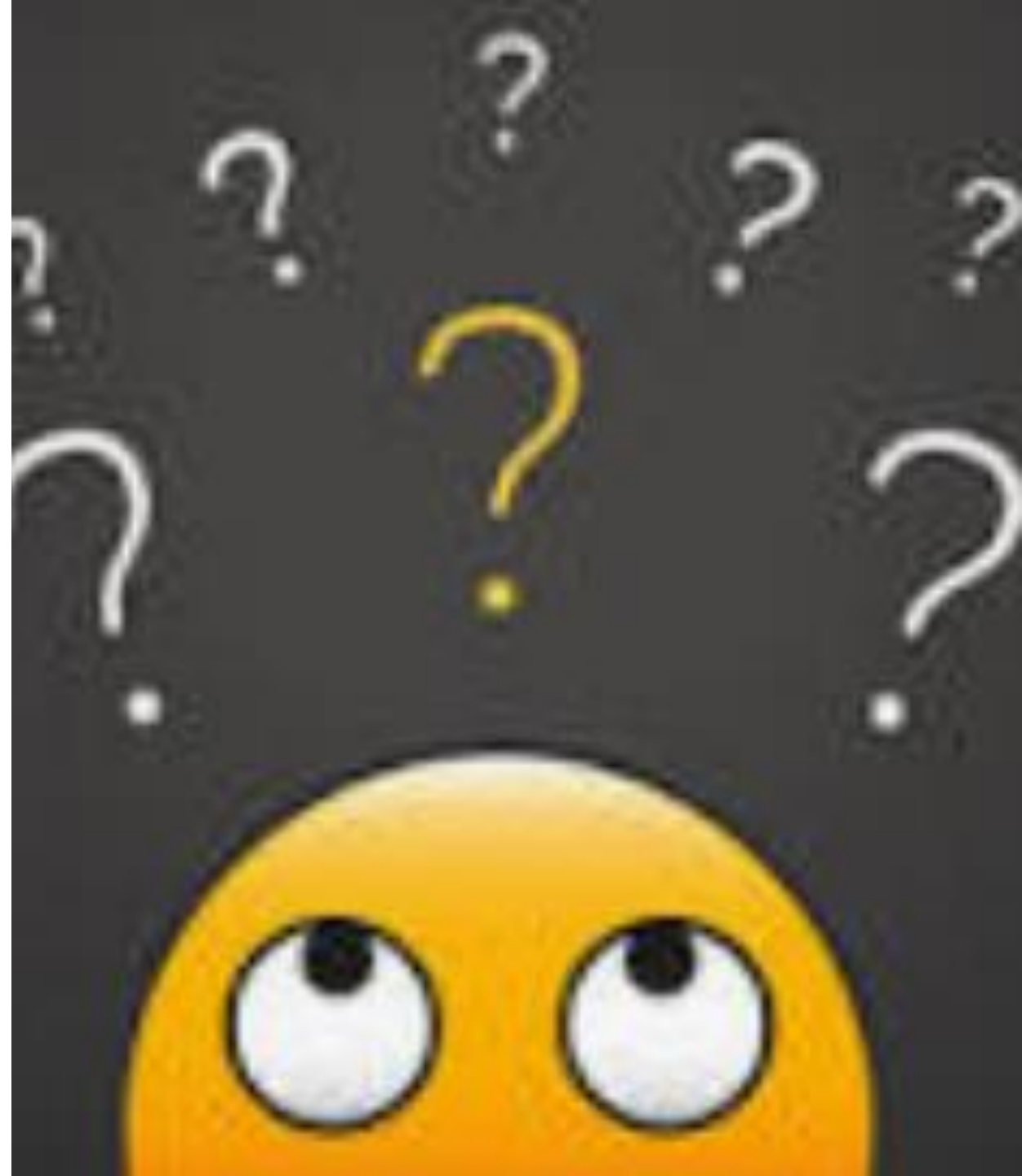
- coastline of approximately 520 kilometers along the Atlantic Ocean.
- width of its continental shelf varies between 10 and 19 nautical miles off the coast
- In 2020, Côte d'Ivoire obtained an extension of its continental shelf by an additional 14,660 km² in the Atlantic Ocean
- Université Félix Houphouët-Boigny (UFHB) is a leading institution in West Africa.
- Engaged in multiple research fields, including oceanography.



Oceanography at UFHB

- UFHB hosts several research entities specializing in different aspects of oceanography.
- More than 300 students are engaged in oceanography-related programs.

Strong emphasis on capacity development and international collaboration



Research Entities and Expertise



CURAT :Remote Sensing Center for applied research

- Focus: Ocean study through remote sensing.
- Application: Monitoring oceanic changes and coastal dynamics.

Department of Biosciences

- Focus: Marine biology.
- Application: Study of marine biodiversity and ecosystems.

Department of Earth Sciences

- Focus: Marine geology, including bathymetry and sedimentology.
- Application: Understanding seabed composition and geological processes.

Department of Geography

- Focus: Maritime transport.
- Application: Analysis of shipping routes and marine logistics.

Department of Physics

- Focus: Physical oceanography.
- Application: Ocean currents, tides, and climate impact studies.



Student Engagement

- Over 300 students are enrolled in oceanography-related programs.
- Welcome Opportunities for field research and practical training.

Focus on Remote Sensing

- Wide spatial coverage and repeated observations
- Cost-effective for large-scale monitoring
- Integration with in-situ measurements enhances accuracy

An infrastructure and adequate equipment

❑ 1 Receiving antenna



1 DJI Phantom 4 Multispectral Drone

6 sensors and precise multispectral imaging

- 1 RGB camera +
5 cameras covering the blue, green, red, red edge, and near-infrared bands

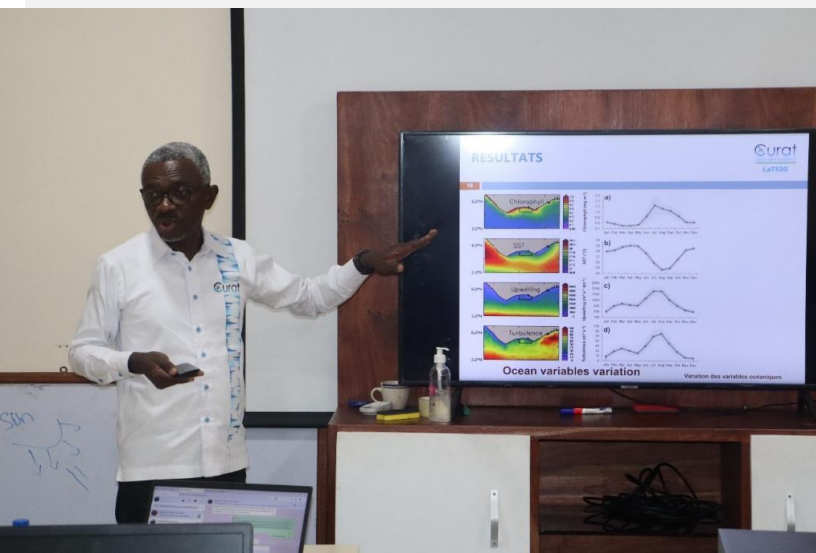


DJI Mavic 2 Enterprise Dual Drone

- 1 visible sensor
- 1 thermal sensor

Training course

- Sea surface
T°C
- Sea Colour
- Current
circulation
- Chlorophyll
Concentration



Nest training course: May
19, 2025



- Forster collaboration with @seaNetwork.
- Committed to fostering education, research, and global collaboration.
- Open to partnerships for mutual growth in marine sciences.



CONCLUSION



THANK YOU