



Short Course Coastal Adaptation and Management (CAM) in Seychelles 23 September – 8 October 2021



Introduction

Seychelles' Coastal Management Plan was approved by Cabinet and formally launched in 2019, with the support of the World Bank. In 2020, the World Bank undertook an assessment of the institutional and technical capacity of Seychelles government to implement this plan. One of the key findings was the need to build cross-sectoral coordination, knowledge and technical capacity in coastal monitoring, engineering and nature based protection. The World Bank is supporting the development and delivery of a short course on Coastal Adaptation and Management in collaboration with the University of Seychelles to help build coastal resilience and implement adaptation projects aligned with the Coastal Management Plan.

Aim of the Training Course

As an "Ocean State", the Seychelles is vulnerable to various natural and anthropogenic threats within the coastal environment such as storm events, coastal flooding and erosion, as well as sea-level rise and loss of vital habitats such as coral reefs. Understanding how different aspects of the coastal environment is linked to infrastructure and people, and how to manage these interactions, are vitally important to the sustainable use of the coast and its resources for the people of Seychelles. The aim of the course is to build capacity in these areas but also enhance networking and coordination between individuals and agencies involved in different aspects of coastal management.

Learning Outcomes

- To familiarize participants with the Coastal Management Plan and how to use it to as an active document to guide coastal protection at existing and emergent sites of severe coastal erosion and flooding
- To upgrade participants' knowledge of coastal data and data management systems, to facilitate decision-making on coastal protection
- To enhance participants' understanding of hard engineering and nature-based solutions to protect the coast from erosion and flooding, as well as hybrid measures
- To develop participants' theoretical and practical understanding of shoreline monitoring.

- To train participants in the use of a rapid assessment tool to identify best practice short term coastal solutions for emergency situations of coastal erosion.
- Deepen participants’ understanding of the importance of sustainable coastal adaptation and management to a viable Blue Economy

Target Audience

Environmental practitioners, engineers, technicians, managers and consultants working with government, NGOs or from civil society involved in coastal management & restoration, as well as individuals interested in nature-based solutions for disaster risk reduction in the coastal zone.

Course Delivery & Number of Participants

This course will be offered in person at the University of Seychelles’ Anse Royale Campus. All current COVID regulations will be observed and participants will be expected to wear a mask at all times of the course delivery. The number of participants is restricted to 25 in order to observed social distancing within the lecture venues.

The Course will be presented as 6 modules spread over 3 weeks with two full day lectures and/or field trips per week. A certificate of participation will be provided to all participants who complete at least 4 out of the 6 modules successfully.

Course Modules

The following modules will run from **8:30 to 16:00** daily:

23 September 2021	MODULE 1: Introduction & overview of coastal areas dynamic, incl. Seychelles’ Coastal Management Plan
24 September 2021	MODULE 2: Understanding coastal change, collecting and managing data on shoreline position using new technologies
30 September 2021	MODULE 3: Geospatial analysis: using data and GIS to understand coastal risks and inform decision-making
1 October 2021	MODULE 4: Designing and modeling coastal protection measures.
7 October 2021	MODULE 5: Designing climate-smart drainage: watershed and nature-based solutions
8 October 2021	MODULE 6: Coastal management and the Blue Economy Closing & Awarding of Certificate

Expected Output of the Course

Integrated coastal management is important for the Seychelles and understanding the interconnectedness of the various components at play in the coastal environment is needed to ensure efficient decision making across government departments and sectors. Participants will therefore be equipped with tools and techniques on how to conduct shoreline monitoring, assessing vulnerability and risks to coastal areas, data capturing and management, spatial analyses and modelling, and how these can be used to sustainably manage the coastal environment towards a robust Blue Economy for the Seychelles.

Participation is Free of Charge & includes lunch sponsored by the World Bank

For Registration



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