COASTAL ADAPTATION TO CLIMATE CHANGE IN THE GAMBIA

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PRESENTATION OUTLINE:

• THE GAMBIA’S COASTLINE
• EROSION IN THE COASTLINE (MAIN CAUSES)
• VALUES AT RISK
• COASTAL ADAPTATION TO CC MEASURES UNDERTAKEN
THE GAMBIA’S COASTLINE

• The Gambian coastline covered a length of 81 km.
• About 70 km is exposed to the actions of waves and tides
Cells

- **Buniadu Point to Barra Point (cell 1),**
  - a highly significant ecological area
- **Banjul Port to Banjul Point & Oyster Creek (cell 2)**
  - In this area, the coast is accreting resulting in frequent dredging
- **Oyster Creek to Cape Point (cell 3)**
  - This area is flanked with mangroves
- **Cape Point to Fajara (cell 4)**
  - is a cliff that is experiencing undercutting as a result of strong waves
Cells

- Fajara to Kololi Point (cell 5)
  - most visited area on daily basis.

- Kololi Point to Bald Cape (cell 6)
  - no major coastal protection works after 2004 coastal erosion protection project until recently.

- Bald Cape to Kartong (cell 7 to 9)
  - Foreshore has been relatively stable, backshore affected by sand mining
EROSION IN THE COASTLINE
(MAIN CAUSES)

- Natural erosion by Wave Action
- Sand-mining
- Maladaptive intervention
- Inadequate Coordinated Coastal Zone Management
VALUES AT RISK

• Economic values: Hotels and infrastructure
• Ecological values: protected areas and mangroves
• Cultural values: community values
• Livelihoods of Local People: fish landing sites, etc
COASTAL ADAPTATION TO CC MEASURES UNDERTAKEN

• Beach nourishment Senegambia Beach (Kololi) (1 million m$^3$)
• Beach nourishment Banjul (State House to Radio Syd) (1.4 million m$^3$)
• Revetment and groynes at Cape Point (35,000 ton basalt rock)
• T-groyne at Bakau
ACCC Project

- The goal to reduce vulnerability and to increase adaptive capacity to the adverse effects of CC
- 12 ha was reforested in August 2011 at TWC
- 28 canoes were provided to women group Oyster collectors at Lamin
- Community Sensitisation on ecotourism and adaptation to CC
GCCA Project

• The development of strategic and management plans for (ICZM)
• capacity building and livelihood activities for coastal communities
• National Climate Change Policy
• ICZM Bill 2015
GEF Coastal Resilient Project

- addressing the challenging coastal erosion issue at the Kololi / Senegambia
ODS phase out and HFC phase down

- ODS Regulation 1999, 2013
- ODS and HFC regulation 2019
- Trainings/awareness raising on CC and EE
• Thank you