Blue Carbon Ecosystem and Peatlands

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PoWPA and Bonn Challenge
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Status of Mangrove

- Species, Coverage and Distribution
Mangrove Protection Status

- 114,000ha
- Five administrative region
- Half of the country (River Gambia)
- 80% of MPA
- 14 out 23 MPA
- 8 MPA + 2 in the making
- 3 PA partially MPA
- 20% of the Biosphere (MPA)
DRIVER FORCES/FACTORS

- Growth rate/pop density
- Migration
- Consumption style/rate
- Technology
- Poverty
Climate change and its Impact on Mangrove

- Sea Level Rise
  - Salinization/salt intrusion
  - Overflooding
  - Coastal Erosion
  - Invasive species
Climate change and its Impact on Mangrove

- Extreme Temperature
  - Forest fires
  - Livestock mortality
  - Wildlife mortality
- Human health implication
Climate change and its Impact on Mangrove

- Violent Storm
- Affect crops
- Settlement/disaster
- Fishing
- Affect forest stands
Population Pressure and Impact on Mangrove

- Deforestation for fuel/construction create pressure
Population Pressure and Impact on Mangrove

- Agriculture extensification
Pressure and Impact on Mangrove

- Agriculture (Dykes and Dams)
Commercial logging
Coastal Erosion - NNP
Local Responses

Mangrove Planting
Oyster Farming
Bee Conservation
Energy Saving Cooking Stoves
Global/International Response
Carbon Market Value

- Restoration through mangrove planting
- Maintenance of the existing intact mangrove as a sink
Mangrove REDD+ Project

- Partnership
- Department of Parks and Wildlife Management
- Consortium of Local Environmental Organizations
- ORSTED Nature Based Solution, Denmark
- S2 Services, Cameroun
Necessary Conservation Actions:

- Expand existing protected areas and establish new ones
- Improve community livelihood and natural resource management
- Strengthen capacity of stakeholders and institutions
- Restoration of degraded mangrove forest landscape including coastal forest