



2ND ASIA-PACIFIC CLIMATE CHANGE ADAPTATION FORUM

MANGROVE IN WEST AFRICA INITIATIVE (IMAO) (INITIATIVE MANGROVE EN AFRIQUE DE L'OUEST)



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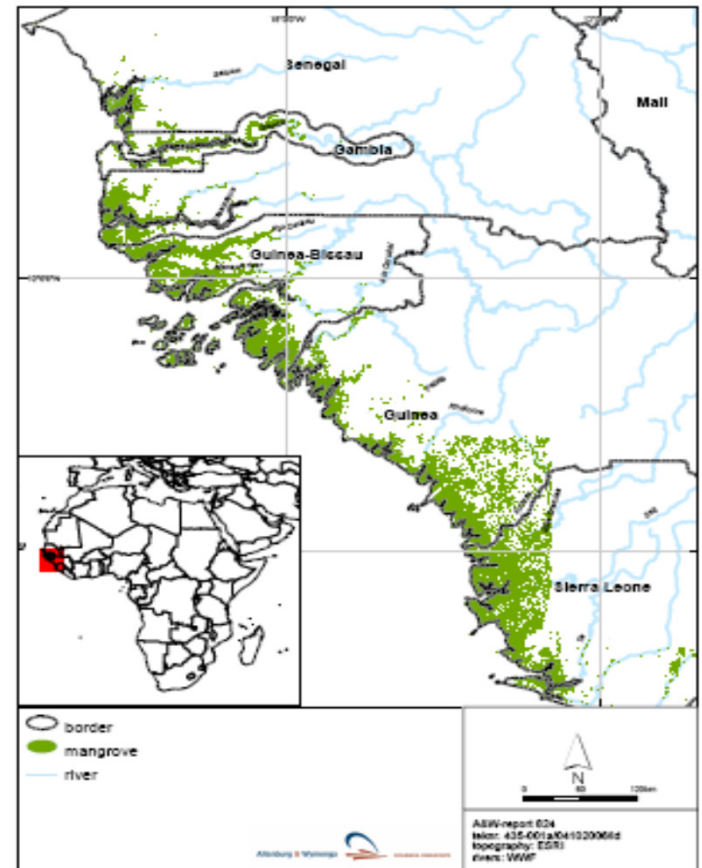


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INTRODUCTION (1)

- The west-African coast is rich in mangrove characterized by:
 - **High productivity** beneficial to many animal and plant species, as well as to local populations for their livelihoods.
 - **Shelter** for many threatened species.
 - **key link** on the route of migratory birds
 - Contributes to the **shoreline protection**.
- **Combined effects of droughts & overexploitation of resources** ⇒ severe reduction of the extent (*from 3 million 50 years ago to only 1 nowadays*)
- Degradations **exacerbated by increased population pressure** along the coastline



INTRODUCTION (2)

- Many conservation and sustainable management measures undertaken with modest results because national strategies are constrained by
 - the transboundary characteristics of human activities (fisheries markets, wood markets, etc.)
 - emerging issues: extracting industries such as oil and minerals exploitation
- Conservation of mangrove ecosystem ➡ regional approach
- Hence the **IMAO**: project developed jointly by IUCN and Wetlands International and covering 6 countries (*Mauritania, Senegal, Gambia, Guinea Bissau, Guinea and Sierra Leone*).
- **Objectives:**
 - Diagnostic of the ecosystem
 - Negotiation of a regional charter and an action plan for a better management of mangroves
 - Improvement of communities' livelihoods and promotion of best practices

Diagnostic

- Ecology / Climatology
- Socioeconomics
- National policies

Pilot projects of mangrove ecosystem restoration and conservation (1)

Conservation measures

- Protective fencing for 2 ha of mangrove
 - Pond of Birett
 - Confluence Bell/Khrombam



Pilot projects of mangrove ecosystem restoration and conservation (2) : mangrove reforestation

- Capacity building in mangrove planting techniques
- Awareness raising
- Exchange visit between communities from The Gambia and Senegal
- Rhizophora reforestation
- Studies on carbon sequestration



Income generating pilot projects : **Solar salt on sheet**

- To produce 1 Kg of salt: 3.1 Kg of **mangrove wood** needed.
- Using the solar salt on sheet technique: for **1000 tons of salt** ⇒ **avoid cutting 125 ha of mangroves**.
- In addition:
 - the production of a family is multiplied by 7.5 while giving a better product
 - Campaign ⇒ 8 weeks longer
 - Very low investments needed (50\$US)



Income generating pilot projects : **improved stoves**

- Smoking time is shortened from 3 to 1 day
- Need up to **6 times less wood**
- Less physically demanding work
- Risks of fire quasi inexistent



Income generating pilot projects : mangrove honey production

- 60 litres produced
- Low investments required
- Capacity building (wax processing)



Hives

The mangrove charter : a regional cooperation tool

- Already signed by the appropriate Ministers
- Ratification process started



National action plans for mangrove ecosystems management

The proposed action plan is designed to contribute to the implementation of the Charter.

- Documents validated by technical services
- Implementation of some components of the action plan initiated in each country: improved stove (UNDP in Guinea-Bissau), solar salt (FAO in Sierra Leone), Reforestation (PND at Diawling), ...



Khap khun khaap