

***Access to safe water and international health cooperation in transboundary basins: the case of the Senegal River Basin***

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### SENEGAL RIVER BASIN

- PREVALENCE OF WATER BORNE DISEASE  
PREVALENCE DE MALADIES HYDRICIQUES
-  WATER QUALITY ISSUES  
PROBLÉMATIQUE DE LA QUALITÉ DE L'EAU
-  AREAS IMPORTANT FOR BIODIVERSITY MANAGEMENT  
ZONES D'IMPORTANCE POUR LA GESTION DE LA BIODIVERSITÉ
-  AREAS SUSCEPTIBLE TO WATER WEED INFESTATION  
ZONES SUJETTES À L'INFESTATION PAR LES VÉGÉTAUX AQUATIQUES
-  SOIL EROSION  
ÉROSION DU SOL
-  SILTATION  
SÉDIMENTATION
-  SOIL SALINIZATION  
PROBLÉMATIQUE DE SALINITÉ DE SOLS
-  NATIONAL PARKS (N.P.) AND PROTECTED AREAS  
PARCS NATIONALS (N.P.) ET AIRES PROTÉGÉES
-  SEVERE DROUGHT PRONE AREAS  
ZONES SUJETTES À DE SEVERES SÉCHÉRESSES
-  FLOOD PRONE AREAS  
ZONES INONDABLES
-  WETLANDS AND SWAMPS  
ZONES HUMIDES ET MARÉCAGES
-  RIVER BASIN LIMITS  
LIMITES DU BASSIN
-  HYDRO DAM SITES  
SITES HYDROÉLECTRIQUES
-  DAMS  
BARRAGES
-  FALLS  
CHUTES
-  MAIN ROADS  
AXES ROUTIERS PRINCIPAUX
-  SELECTED CITIES  
VILLES
-  NATIONAL CAPITALS  
CAPITALES
-  INTERNATIONAL BOUNDARIES  
LIMITES DES ETATS



## Environmental protection



## Domestic Uses



## Fresh Water for :

## Irrigation



## HYDROPOWER



This map was produced by the West African Unit of the World Bank. The boundaries, colors, denominations and any other information shown on this map do not imply, on the part of the World Bank Group, any judgment on the legal status of any territory, or any endorsement or acceptance of such boundaries.

1800 km, 300 000 km<sup>2</sup>, ~4.8 million people

# Health issues



- **Senegal River Water Charter (2002) :**
  - ✓ Article 4: Basic Human Right to Safe Water
  - ✓ Article 8: Priority to the supply of drinking water, especially to the most vulnerable ;
  - ✓ Article 13: To ensure the quality of the waters of the Senegal River and to sensitize its populations to this effect
- **Nouakchott Declaration (2003)**
  - ✓ Goal 7: Implementation of the Regional Health Plan
  - ✓ Goal 8: Creating new opportunities to improve access to safe drinking water and sanitation
  - ✓ Goal 9: Improving water quality for a better quality of living environment and public health

# Health in Regional Projects

The construction of major water infrastructure is associated with the prevalence of water-related diseases that affect the health of populations and their economic productivity.

Studies and epidemiological mapping have shown 2 groups of water-related diseases:

- ***Malaria***

Studies show prevalence rates averaging 20 per cent in vulnerable populations.

- ***Neglected Tropical Diseases (NTDs)***: bilharziasis, geohelminthiasis, trachoma, lymphatic filariasis and onchocerciasis

These NMTs affect almost all regions of the countries along the Senegal River basin.

# Health in Regional Projects (2)

## The Water-related Disease Incidence Reduction Program

This programme was carried out within the framework of Projects financed by the World Bank:

- ***The distribution of*** long-lasting insecticidal nets (LLINs) to achieve full coverage in targeted areas;
- Completion of the geographical mapping of NTDs in collaboration with other partners and the implementation of integrated treatment of NTDs through the distribution of drugs.
- The promotion of health in communities through information, education and communication, with particular emphasis on the prevention of malaria and NTDs;
- Capacity building, coordination of collaborative efforts of neighbouring countries to combat malaria and NTDs, surveillance of these diseases, and monitoring and evaluation;
- Increase access to drinking water

## Lessons learned/recommendations

- The various evaluations have shown that integrated disease control methods, combined with rational water resource management, are essential for controlling the prevalence of malaria and NTDs in areas near dam sites or irrigated perimeters;
- This experience could be used in the framework of the fight against the pandemic of COVID 19 (IEC campaigns and coordination at the national level).

The background features a white central area with blue wavy, layered shapes at the top and bottom. The waves are composed of various shades of blue, from light to dark, creating a sense of movement and depth.

**Thank you for your attention!**