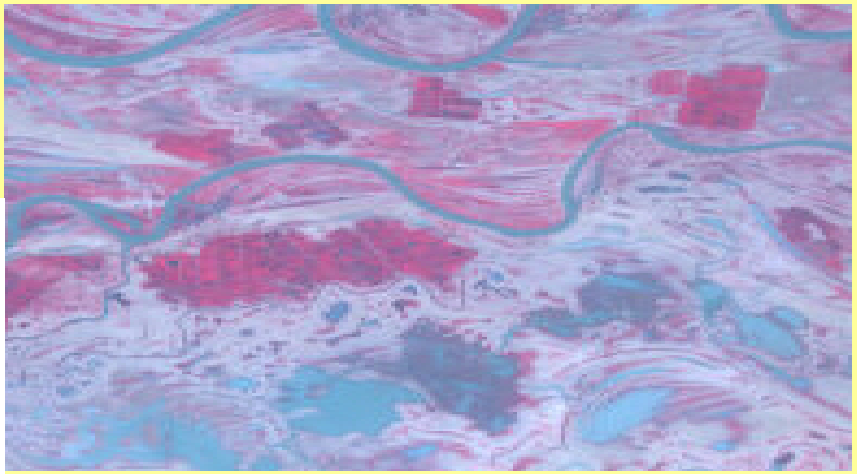
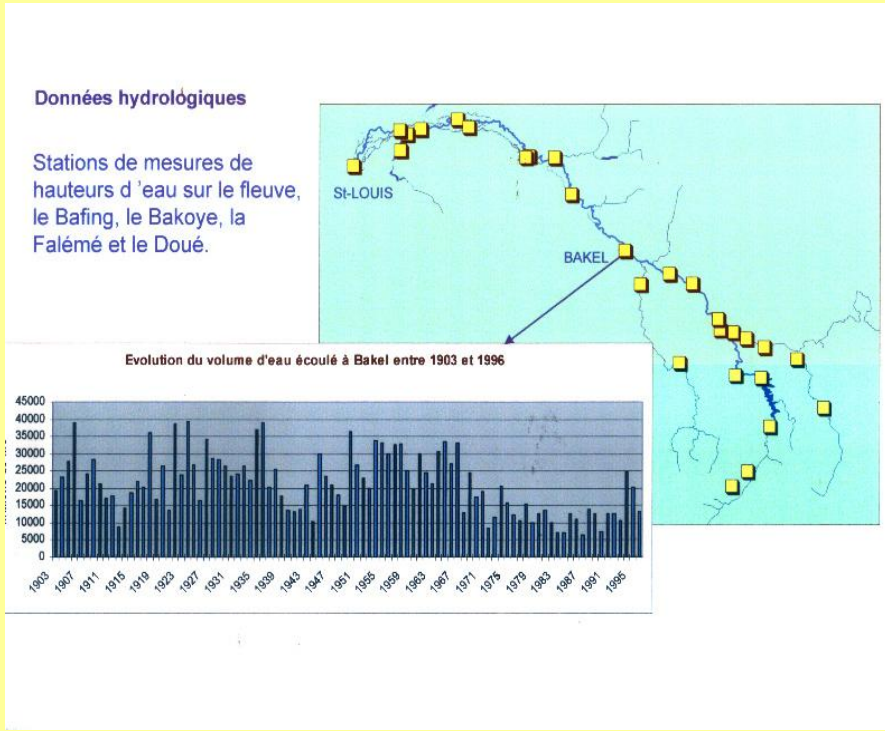
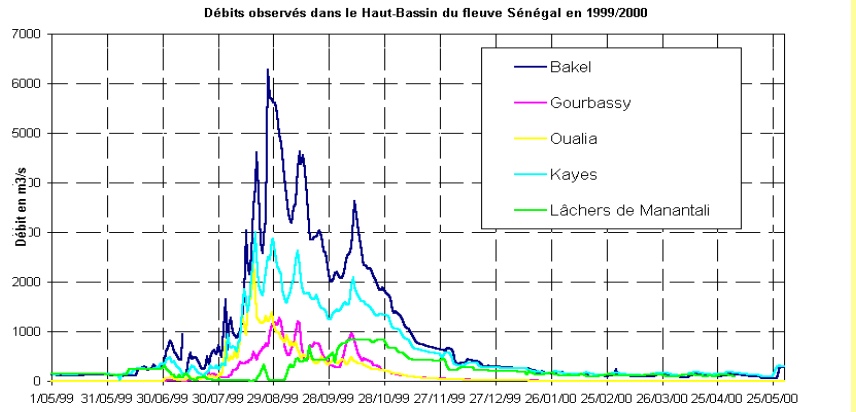
An Observatory for Environment and Sustainable Development Senegal River Basin

A strategic tool for monitoring the Environment and Natural Resources







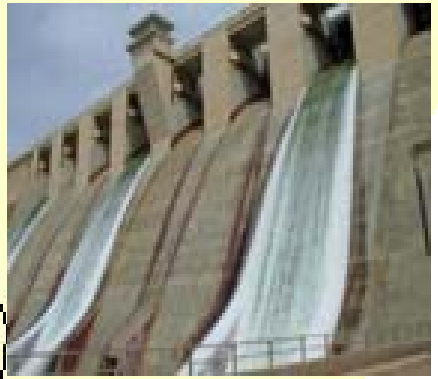
Tamsir N'Diaye SOE-OMVS
Sao Paulo 09-2010

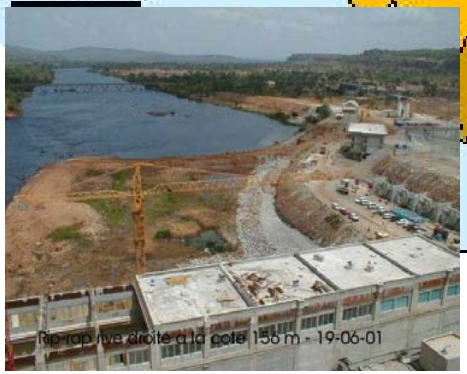
Senegal River Basin highlights



- Basin area: 345 000 km²
- River Lenght: 1800 km
- Divided in 3 natural areas : Upper Basin – Valley and Delta
- 4 riparian States (Mali, Mauritania, Sénégal, Guinée).
- Source: Fouta Djallon (Guinée).

Senegal River Basin







Tamsir SOE-OMVS

OMVS (1972)- Objectives and Missions

- **Main objective:** An integrated cooperation tool between riparian States for coordinating the development of Senegal River Basin, « with everyone, for everyone »

- **Main missions:**

- **Reducing ripararian states economic vulnerability against hydrologic and climatic risks**
- **Ensuring conditions for food security for basin populations**
- **Enhancing economic development by fostering a solidary use of basin opportunities**
- **Preserving the overall balance of the hydrosystem**
- **Securing and enhancing incomes of populations**

An environmental observatory in OMVS, why ?

The two last decades the Senegal basin have seen important modifications, with the building of two major dams (Manantali and Diama) and the related developments (dykes, agriculture developments, national parks…)

Those modifications have led to significant improvements (socio-economic aspects). However, environmental and sanitary assessments have also shown some negative impacts, which are not easily described or quantified.
In order to cover these data gaps and limits, the Observatory was set-up in 2000.



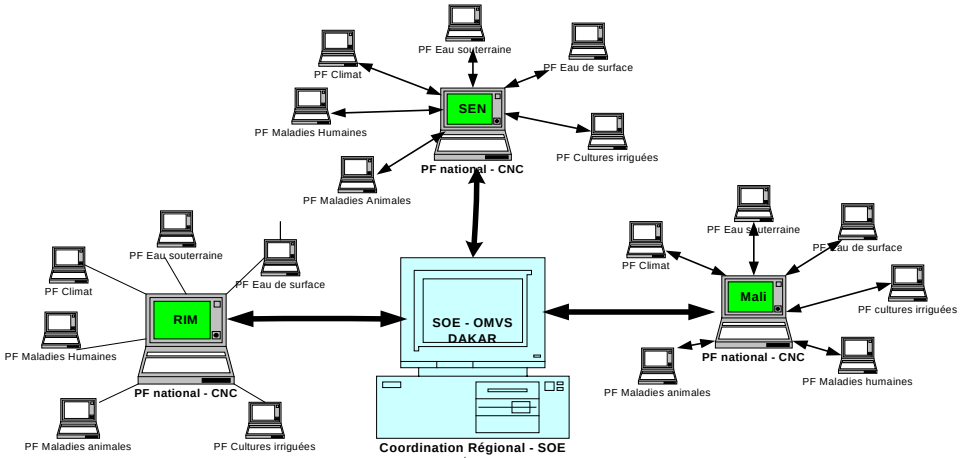
Main Objective of the Observatory

- To monitor the evolution of the State of Environment and Natural Resources in the Basin, in order to provide Member States with necessary information for assessing impacts of infrastructures and to implement actions for limiting them.

Observatory missions

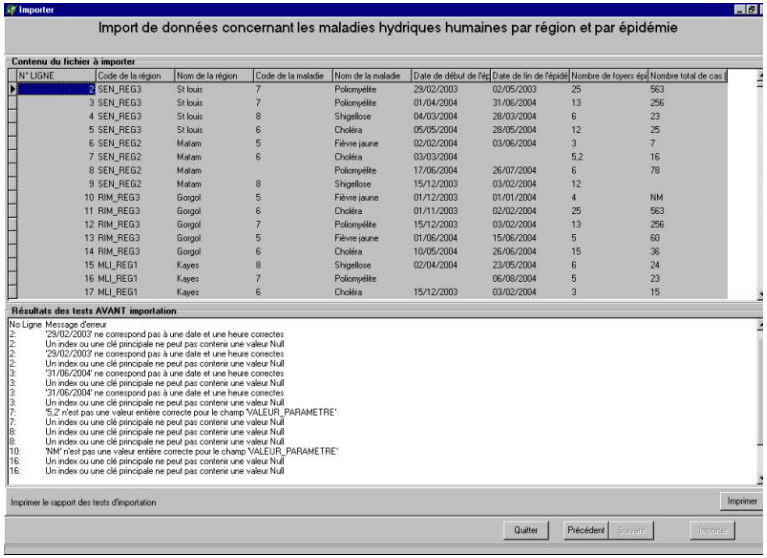
- Organise data collection and processing for systematic environment monitoring, mobilising data producers.
- Process gathered information and produce relevant indicators
- Ensure dissemination of the information
- Analyse the information and detect situations requiring actions for Competent authorities and decision-makers
- Propose a frame for participation and consensus building in order to contribute to the elaboration of measures required to counter-balance the negative impacts

1	**WATER RESOURCES AND PHYSICAL DESCRIPTORS**
1-1	**Climatology**
1-2	**Surface waters (quantity)**
1-3	**Groundwaters (quantity)**
1-4	**Pedology – soil degradation**
2	**BIODIVERSITY AND ECOSYSTEMS**
2-1	**Wetlands**
2-2	**Vegetation cover**
2-3	**Invasive species**
2-4	**Terrestrial and aquatic fauna**
2-5	**Pedology – Bank degradation**
3	**POPULATION AND ECONOMY**
3-1	**Human water deseases**
3-2	**Animals water diseases**
3-3	**Fishing activities**
3-4	**Cropping**
3-5	**Breeding**
4	**WATER QUALITY**
4-1	**Surface waters (quality)**
4-2	**Groundwaters (quality)**
4-3	**Pesticides and nutrients**
4-4	**Mining**



SCHEMA FONCTIONNEL DU SOE
janvier 2005

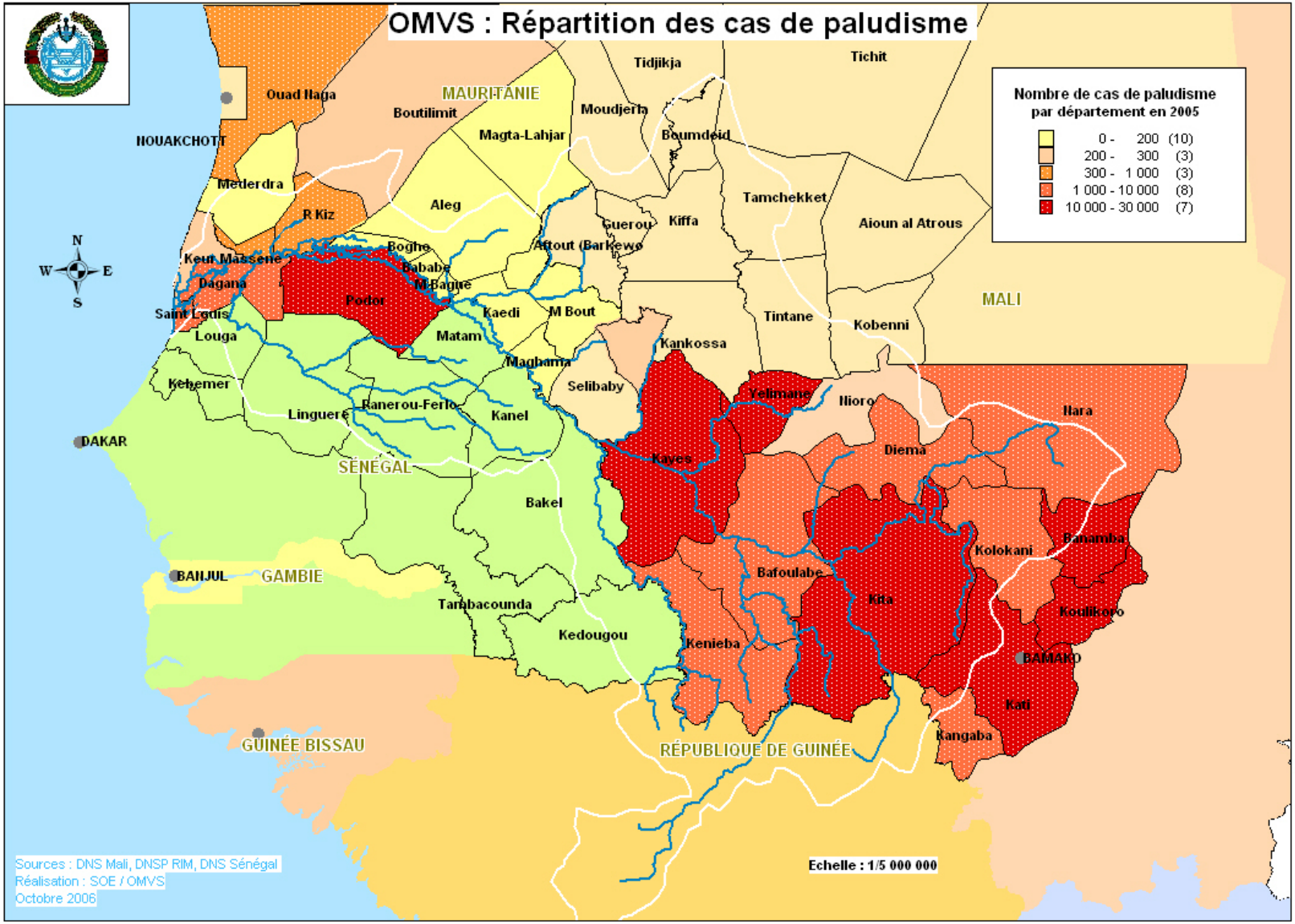




A cooperation agreement

A framework for data exchanges

Technical solutions


OMVS : Répartition des cas de paludisme
Nombre de cas de paludisme par département en 2005
0 - 200 (10)
200 - 300 (3)
300 - 1 000 (3)
1 000 - 10 000 (8)
10 000 - 30 000 (7)
MAURITANIE
MALI
SÉNÉGAL
GAMBIE
GUINÉE BISSAU
RÉPUBLIQUE DE GUINÉE
NOUAKCHOTT
DAKAR
BANJUL
BAMAKO
Ouad Naga
Boutilimit
Tidjikja
Tichit
Moudjeria
Magta-Lahjar
Boumdeid
Metlerdra
R Kiz
Aleg
Tamchekket
Guerou
Kiffa
Aioun al Atrous
Keur Massene
Boghe
Ababe
Aftout (Barkewo
Dagana
M Bagne
Podor
Saint Louis
Kaedi
M Bout
Tintane
Kobenni
Louga
Matam
Kankossa
Maghama
Kebemer
Selibaby
Yelimane
Nioro
Ilara
Linguere
Ranerou-Ferlo
Kanel
Kayes
Diema
Bakel
Kolokani
Banamba
Bafoulabe
Kita
Koulikoro
Tambacounda
Kedougou
Kenieba
Kati
Kangaba
Sources : DNS Mali, DNSP RIM, DNS Sénégal
Réalisation : SOE / OMVS
Octobre 2006
Echelle : 1/5 000 000


Thank you for your attention
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