



# **AFD support to International River Basins Organizations**

Towards climate change adaptation

May 4<sup>th</sup>, 2017

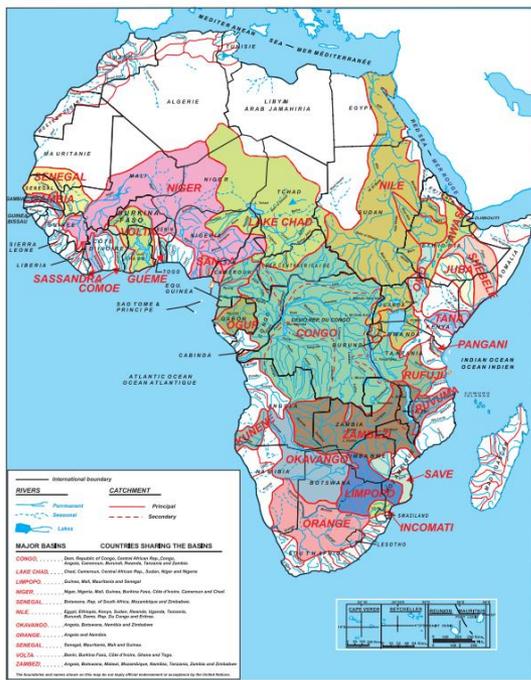
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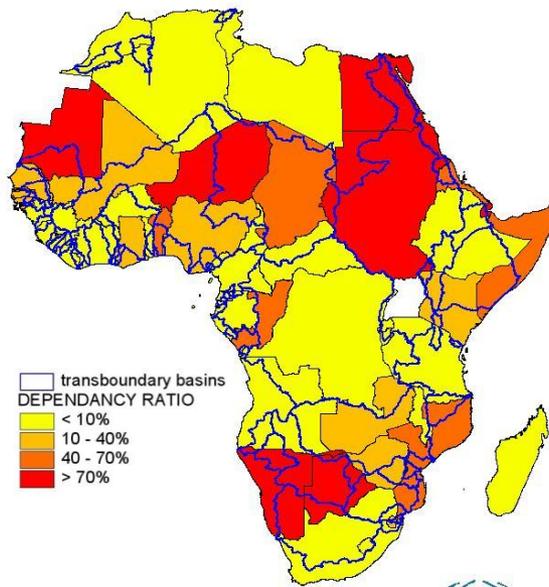
# Transboundary basins in Africa...

Around 60 in Africa (world total : 263)

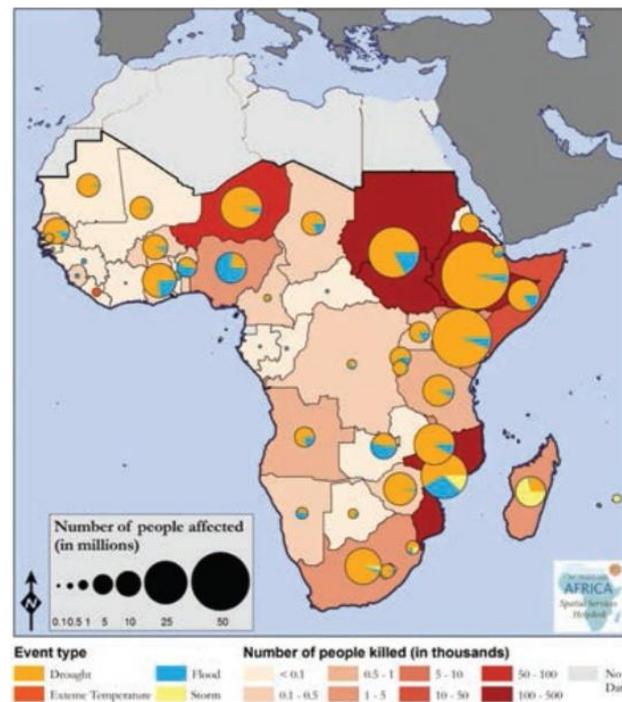
Represent 60% of the territory and 77% of the population in Africa



Source : ECA and World Bank



Source : Atlas africain de l'eau (AMCOW, 2010)

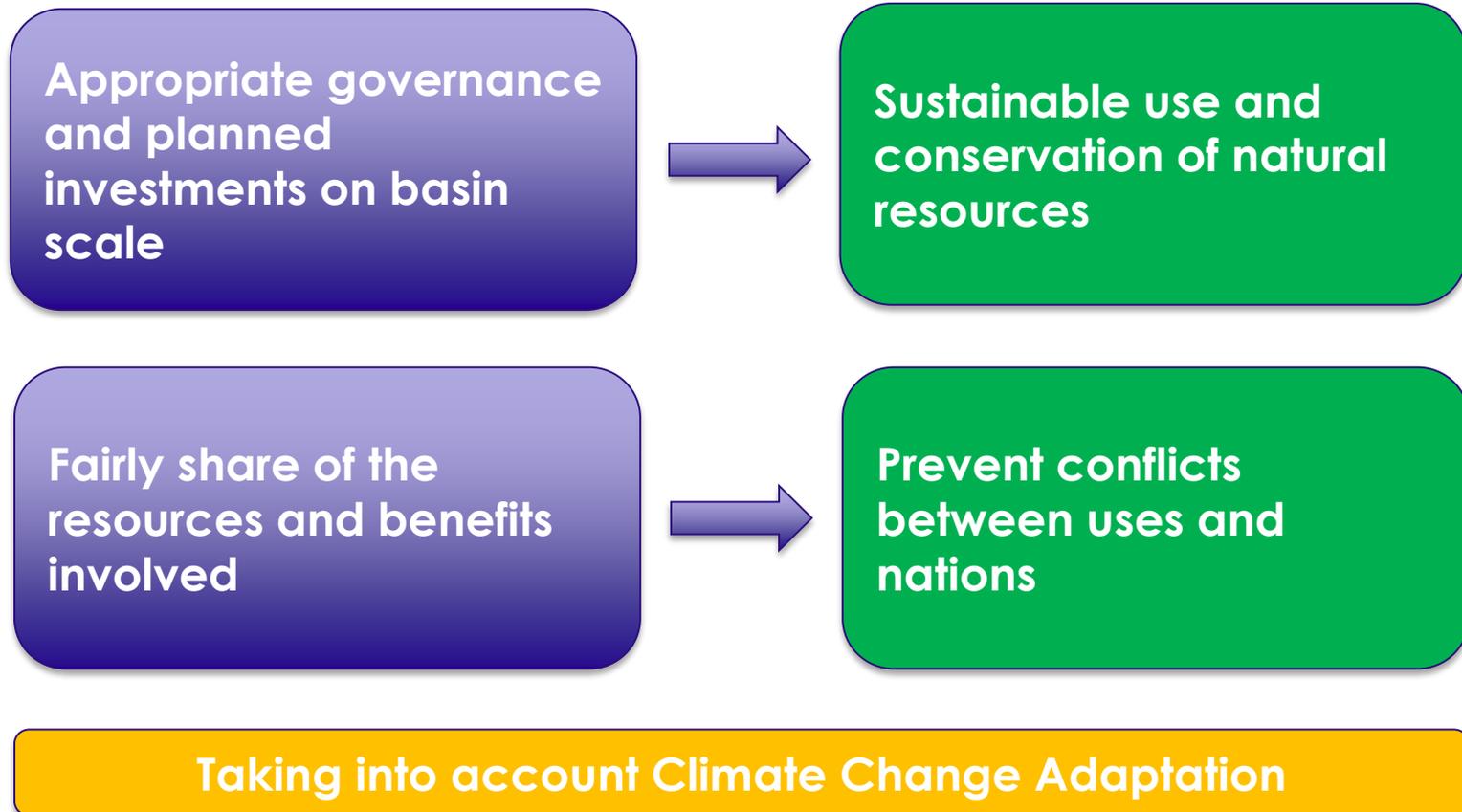


Source: Mc Gill University

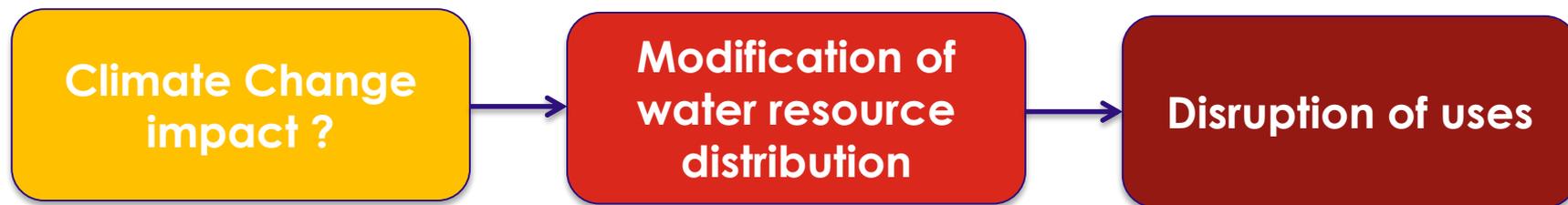
... Essential resource to share and preserve, threatened by CC

# How to use, share and preserve it ?

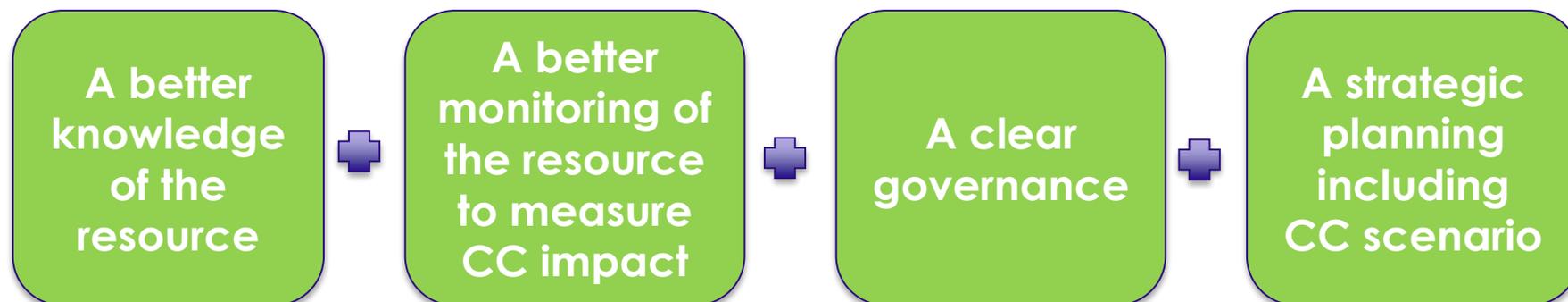
→ Transboundary Integrated Water Resources Management (T-IWRM)



# How to deal with climate change?



→ Climate change adaptation needs :



# ... remaining difficulties of TBO

- **Insufficient knowledge of the resource**

- Insufficient collaboration between TB and NHS
- Insufficient or inadequate data collection
- Data not used or not disseminated

- **Unsustainable financing**

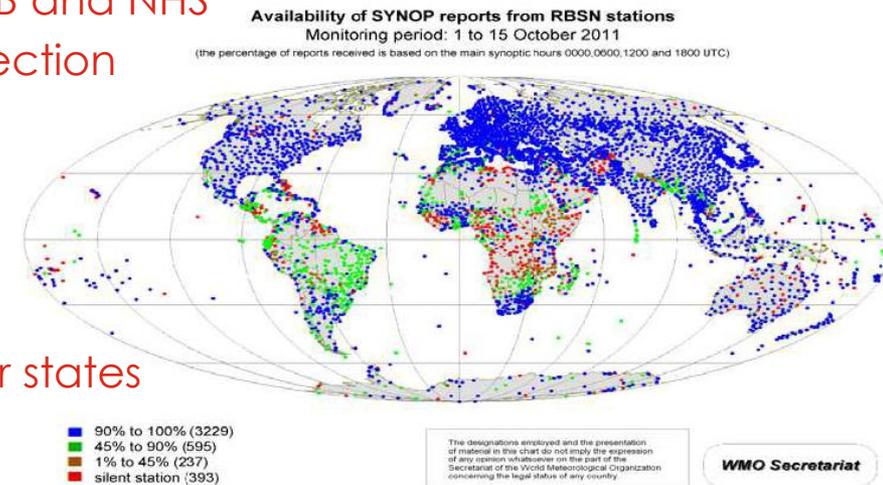
- Financing project by project
- Late or non participation of member states
- Absence of royalties from users

- **Governance to improve**

- Difficulty to meet regional and national scale

- **Planning : difficult dialogue about large infrastructures**

- Temptation for State to decide alone



# Focus topics for French Cooperation actions

- 1 Governance
- 2 Looking for self - and sustainable financing
- 3 Strategic planning and implementation of actions
- 4 Optimization of monitoring

Partnership with OIEau (International Office for Water) and the 6 French Agencies for Water.

# French Cooperation actions : 35 M€ over the last 10 years in Africa (Ministry, AFD, FFEM)

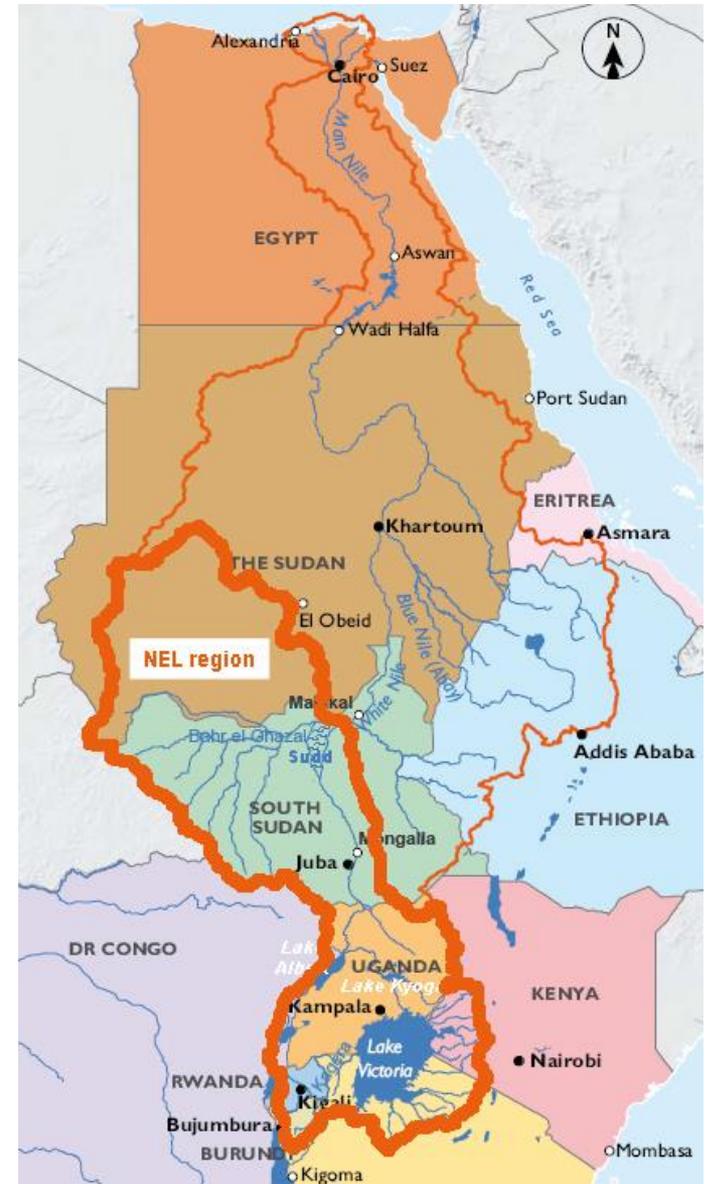
## Principaux fleuves transfrontaliers appuyés par l'AFD

	Sénégal	Niger	Volta	Congo	Nil
<ul style="list-style-type: none"> <li>● <b>Hydraulic knowledge of the resource</b> <ul style="list-style-type: none"> <li>○ Hydrometeorological monitoring</li> <li>○ Demand-Ressource balance</li> <li>○ Information system + satellite data</li> </ul> </li> </ul>	✓	✓	✓	✓	
<ul style="list-style-type: none"> <li>● <b>Environmental monitoring</b> <ul style="list-style-type: none"> <li>○ Water quality</li> <li>○ Water deseases</li> </ul> </li> </ul>	✓	✓			
<ul style="list-style-type: none"> <li>● <b>Strategy and planning</b> <ul style="list-style-type: none"> <li>○ Overall plan</li> <li>○ Dam preliminary studies</li> </ul> </li> </ul>	✓	✓	✓		✓
<ul style="list-style-type: none"> <li>● <b>Institutional strenghtening</b> <ul style="list-style-type: none"> <li>○ Shared vision among States</li> <li>○ Support to executive secretariat</li> </ul> </li> </ul>	✓	✓	✓	✓	✓

# Examples of AFD support to transboundary basins

# Nile Basin Initiative (NBI)

- **Use of a water resources model for basin planning in the Nile Equatorial Lakes region**
  - To select the appropriate scenario of resources allocation
- **Current project**
  - In-depth analysis of the selected scenario
  - Development of NELSAP Strategic Plan 2016-2021
  - Development of a resource mobilization strategy
  - Capacity building programme for resource mobilisation
- **To anticipate and adapt to CC**
  - Using the water resources model
  - Referring to the strategic planning



# OMVS

→ AFD support focused on :

- Sustainable financing
- Watershed planning and water resource monitoring



- A new project under discussion for **watershed development** including :
  - The **Observatory for Water and Environment for Fouta Djallon** with the objective of producing in-depth knowledge of the hydrological dynamics of the sources of the Senegal river
    - for decision-making and land planning.
  - Construction and rehabilitation Midstream and downstream.

# Niger Basin Authority

- Since 2005, AFD has supported the development of the Integrated Water Resource Management (IWRM) in Niger Basin: the « Shared Vision »

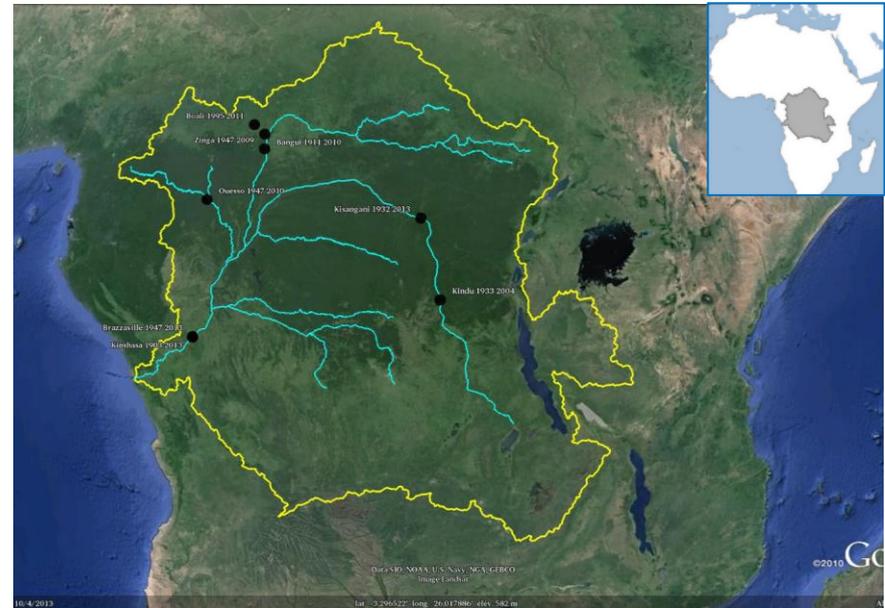


- **AFD has been involved in the integrated development plan for the basin, to support:**
  - The implementation of the « Shared vision »
  - Major technical activities :
    - Data collection with Niger-HYCOS and hydrological monitoring,
    - Development of a water resource model for the basin  
→ to design and implement the Investment Program
  - Capacity building in hydrology

# Congo-Oubangui-Sangha (CICOS)

AFD support to CICOS has been renewed in 2015

Project agreement signed during the COP 21



- **Objectives :**

- To promote transboundary Integrated Water Resource Management in the climate change context
- To improve water resource monitoring
- To contribute to **space altimetry innovation** and implement the use of **satellite data**



**THANK YOU**

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