

Cooperation in International Waters in Africa

Promoting climate resilient growth through development and management of shared water resources

CIWA: Leveraging Transboundary Opportunities

CIWA's Objective:

To strengthen cooperative water resources management and development on international waters for sustainable climate resilient growth in Sub-Saharan Africa

Water is Key to Africa's Future

Africa's water-related development challenges:

- Only 10% of hydropower



Africa is on the move:

- Strong growth; 5% average GDP
- Increasing investment;
- Improving governance

Water and climate change are NOT Africa's biggest challenges
But...

they are critically important factors to address as part of meeting those challenges.

- More water resources needed for growing population
- Climate variability a growing threat that must be managed



- **Energy** (thermal, hydro, concentrated solar) depend on water
- **Industrial** expansion dependent on water
- Water vital to **environmental** health
- Cooperation in use of shared waters is key to averting **conflict**

Managing water is challenging
especially across borders
all major waters in Africa are transboundary

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Goal achieved by linking to Investments in the 3 I's:
Infrastructure, Institutions, Information

Adaptation strategies:

which measures for which outcomes?

Basin-level strategies:

which measures for which outcomes?

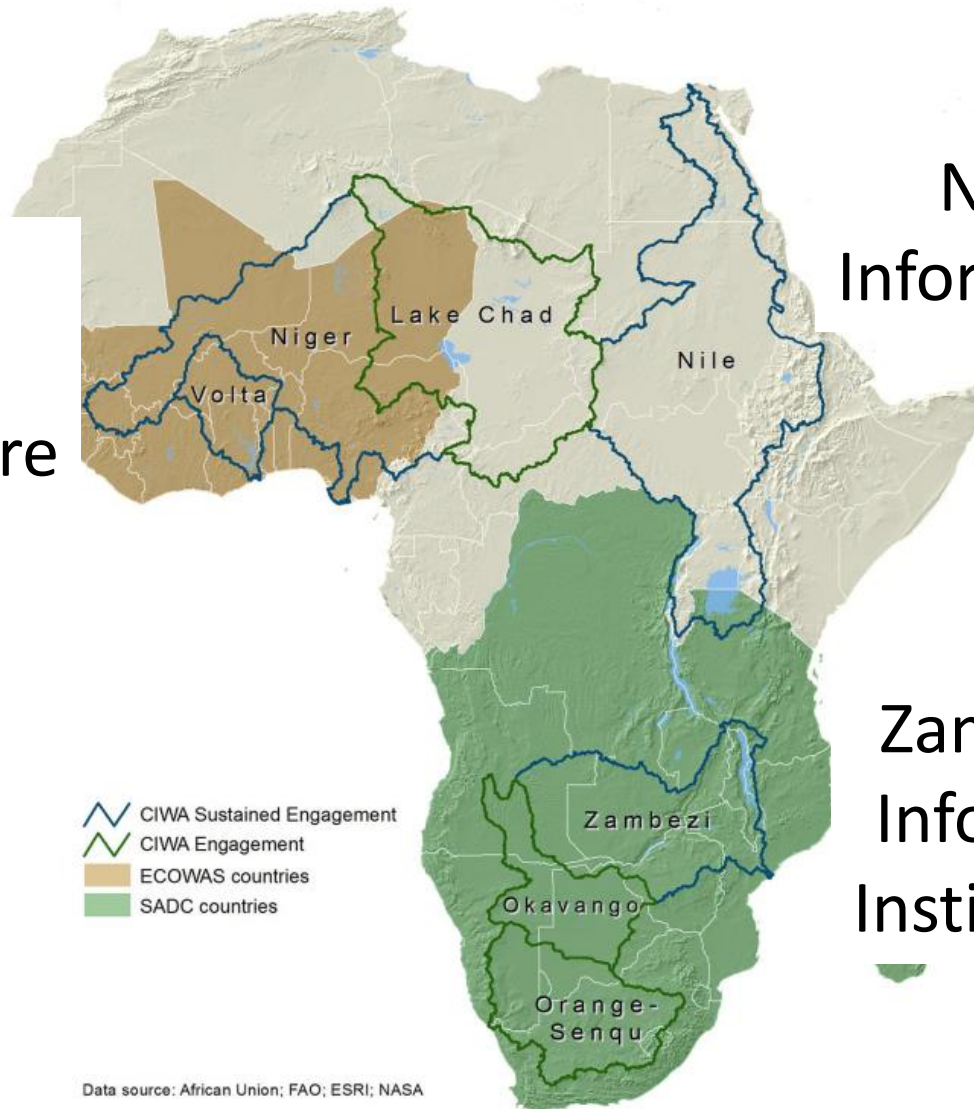
CIWA's Portfolio

Examples of Activities to Build Climate Resilience

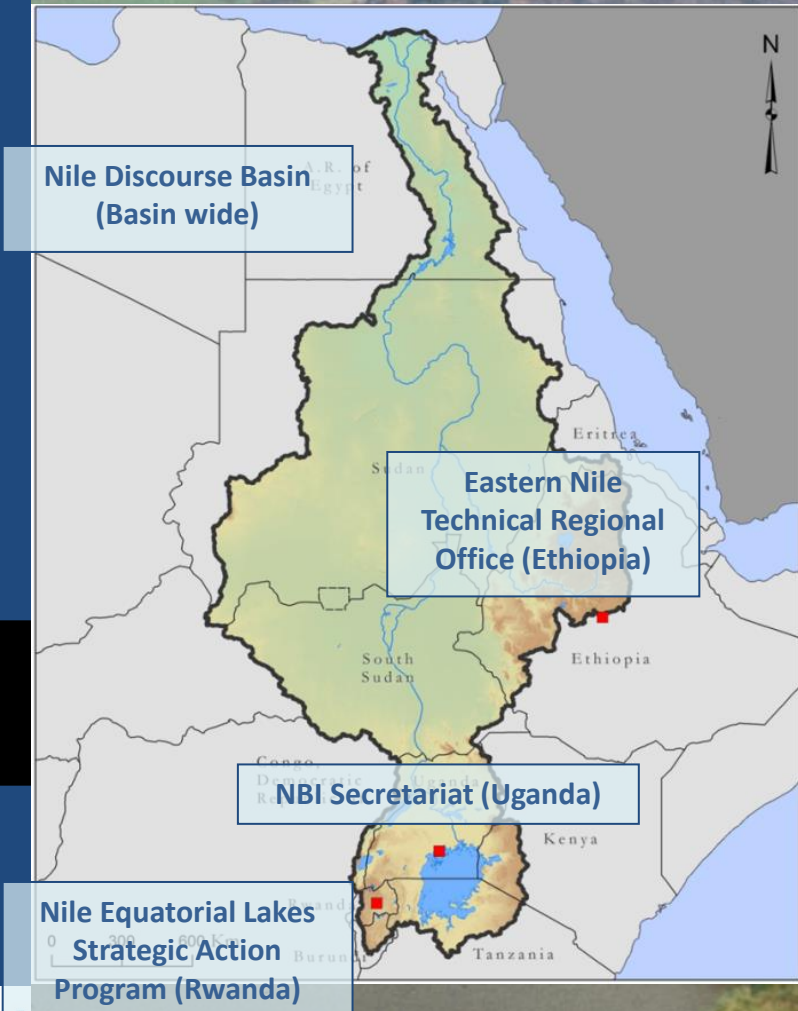
Niger:
Informed
Infrastructure

Nile:
Information

Zambezi:
Informed
Institutions



CIWA in the Nile Basin



Nile Basin Initiative (NBI):

- Basin Cooperation Platform
 - *Improving NBI communication*
 - *Strengthening National outreach*
- Water Resources Management
 - *DSS, modelling tools, partnership with academia, multi-sectoral analysis, state of the basin*
- Water Resources Development:
 - *Advancing investments with regional significance*
 - *Preparation of multiple projects in NEL region*

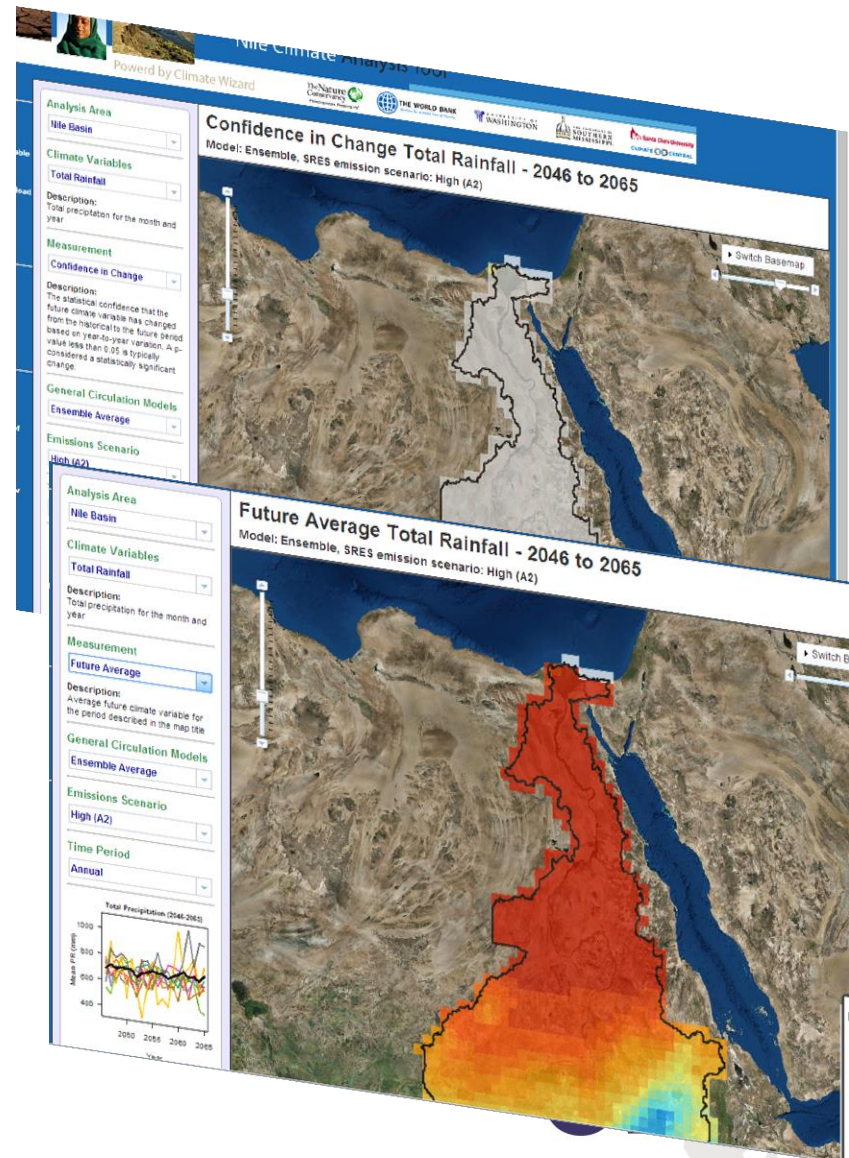
Nile Basin Discourse

- Strengthening engagement with network of civil society organizations



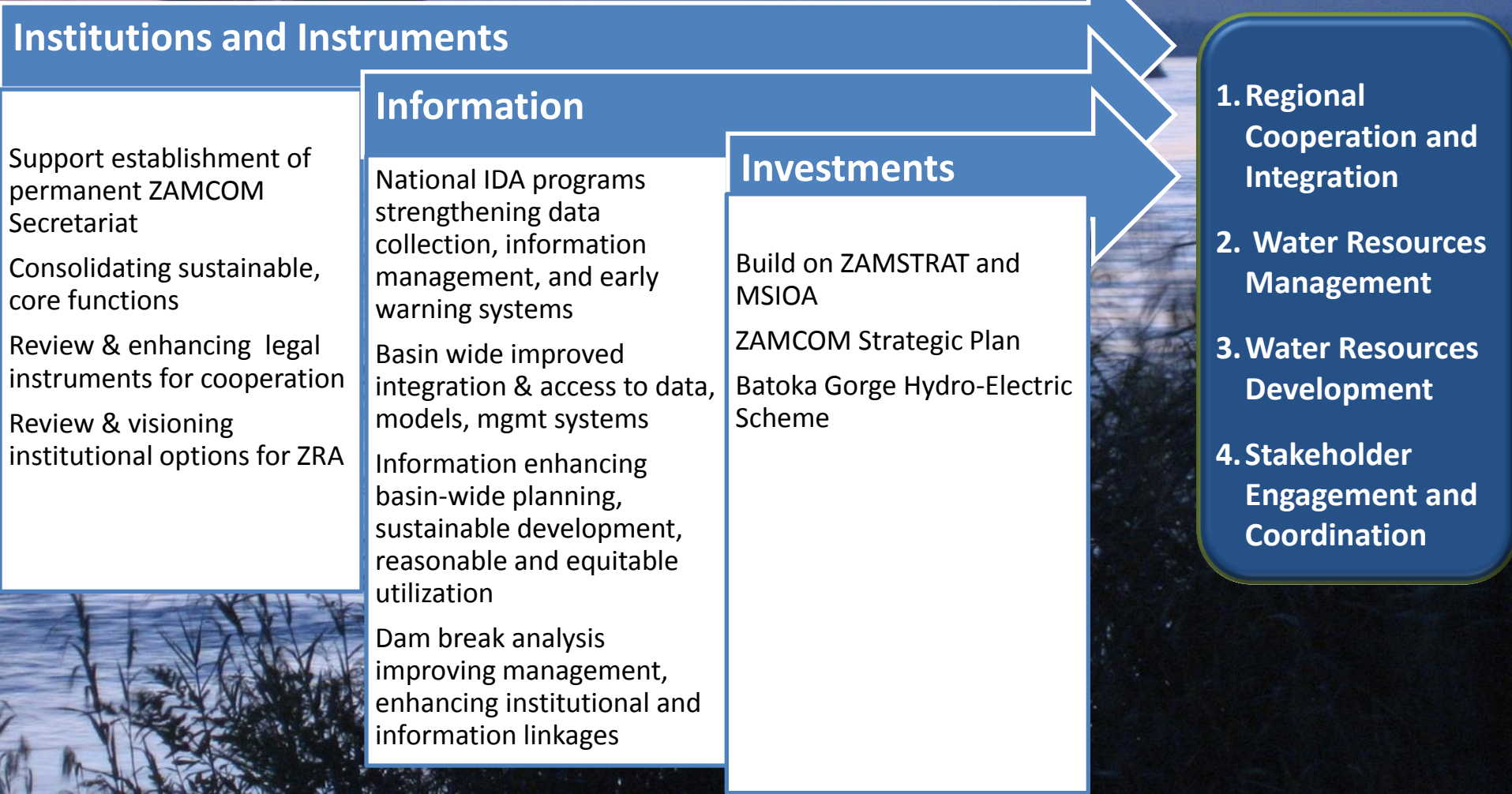
Nile: Information Systems

- Comprehensive Support, focus on knowledge and communication
- Web portal
 - Nile Climate Analysis Tool (ENTRO)
- Decision Support System
 - Technical and operational support
- Real-time Hydromet System
 - Design and tender documents
- Nile Basin Discourse
 - learning on climate risk management and resilience building strategies



CIWA in the Zambezi Basin

By being an enabling broker for riparians, CIWA can unlock growth opportunities and strengthen transboundary cooperation



Zambezi Basin: Informed Institutions

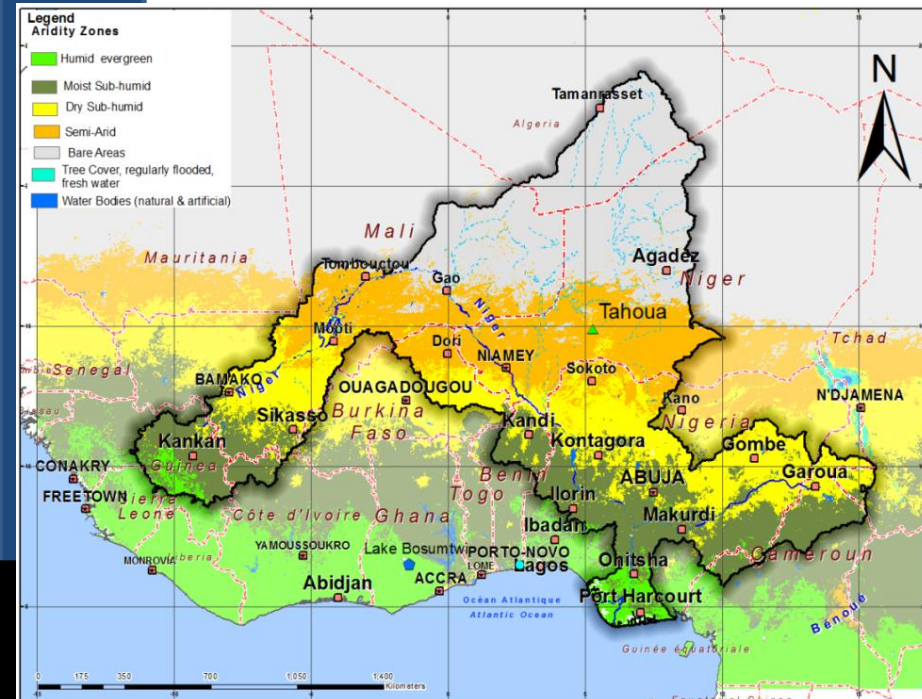


- Broad-based support for ZAMCOM institutional arrangements
- Strengthen Zambezi Strategic Plan (ZSP)
 - ZSP Component 3: Adaptation to climate variability and climate change
- Joint basin wide position on the implications climate change and variability
- Facilitate sharing of hydro-met information by reinforcing by ZAMWIS system incl. climate change portal
- Climate Change Assessment of the Energy-Water Nexus in the Zambezi River Basin

CIWA in the Niger Basin

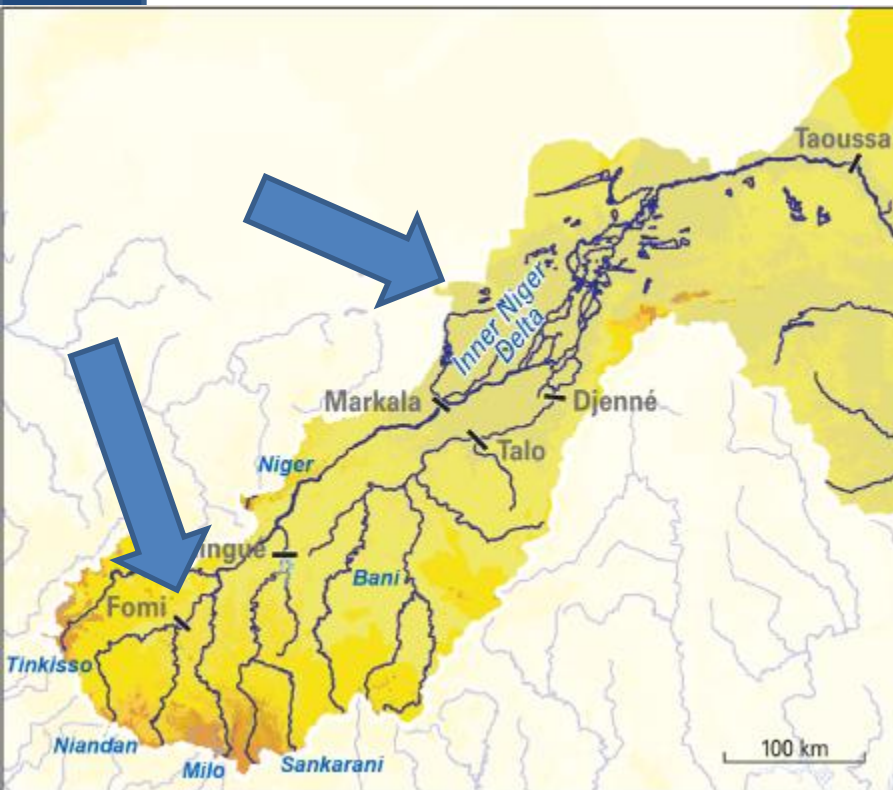
CIWA Objective: strengthen cooperative and sustainable management and development of Niger River basin

- Coordinated basin management strengthened via support for NBA core functions and financial sustainability
- Regional cooperation enhanced through legal frameworks and mandates for coordinated development of basin resources
- Water resources development through basin investment forum and stakeholder engagement
- Stakeholders engagement enhanced through development of user friendly tools



Niger Basin: Informed Infrastructure

- Inform cooperative processes around Fomi multipurpose project (Guinea, Mali)
- Augment current/planned studies on impacts/benefits/tradeoffs



Layered, model-based analysis: Niger Inner Delta

- design and operational parameters
- environmental flows
- hydro-geomorphology
- climate variability, long-term change
- social and environmental impacts
- livelihood patterns

Questions



- Tools
 - Institutions
 - Information
 - Infrastructure
- Platform
 - Beyond water
- Evaluation & Attribution

