



NILE BASIN INITIATIVE
INITIATIVE DU BASSIN DU NIL

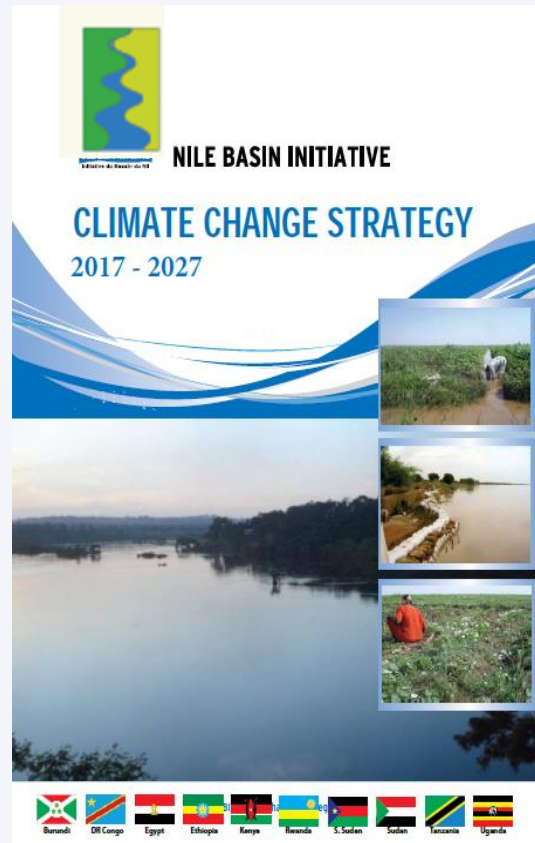
The Climate Change Interventions and Evolution of Climate Service for Infrastructure Investments at NBI

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Institutional background for Climate Proofing



NBI developed the **NBI Climate Change strategy (2017-2027)** with its objectives to **support stakeholders to improve amongst others the resilience of infrastructure investments**



Based on the strategy, NBI has significantly improved its capacity on providing climate services (CS) to advance the preparation of **bankable climate resilient infrastructure projects** as often required by many donors. **Now, with the climate proofing manual, NBI sets the standard to mainstream climate considerations into the project development cycle of infrastructure investments** and thereby aligns with its relevant policy frameworks

Evolution of NBI becoming a Climate Service Provider for Climate proofing of projects of the NELIP and beyond



2018

**Climate Service
Baseline
Assessment**



2018-
2021

**PIEVC
Assesments
of NELIP
projects**



2018
-
2022



**Climate
Proofing
Manual**

2022



**User manual for PMP
& PMF and scenario
database**

2023



**Integrated
knowledge
hub**

2023

**E-learning course
Climate Proofing**



NELSAP-CU and

- ✓ **NELIP:** NELIP is a Multi-sector investment program, bringing together all Nile Basin member countries for a common regional goal, leading to tangible outputs for the direct benefit of the people of the Nile Basin.
- ✓ **NELIP consists of 17 priority projects (out of 128) covering the Water Energy Food Nexus.**
- ✓ All these projects (specifically the 7 MPPs) need to and will be climate proofed by using the newly established NBI Climate Proofing Hub.

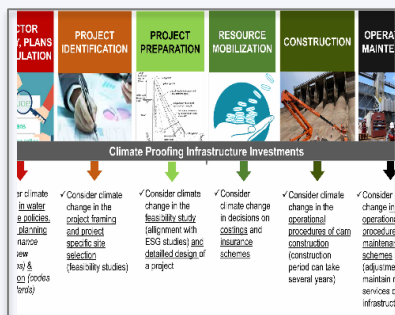


#	Project Title	Country
1	Ethiopia (GERD) – Sudan (Khartoum) TL Project	Ethiopia/Sudan
2	Akanyaru MPP WRD Project	Burundi/Rwanda
3	Dedesa-Tepi-Juba, 700km (phase 2)	Ethiopia/South Sudan
4	Gogo Falls MPP WRD Project	Kenya
5	Integrated Fisheries & WRM: Jebel Aulia Dam & Renk - Malakal	South Sudan/Sudan
6	GIRET	Burundi/Rwanda
7	Kenya (Kisumu) - Tanzania (Mwanza) TL	Kenya/Tanzania
8	Kitoba-Lubango WRD Project	DR Congo
9	Mara valley Irrigation & WM Project	Tanzania
10	Ngono MPP WRD Project	Tanzania
11	Parajok MPP WRD project	South Sudan
12	Kagera Basin-wide Integrated Watershed Program	Burundi/Rwanda/ Tanzania/ Uganda
13	Semliki HP Project 72MW	DR Congo/Uganda
14	Shared Angololo MPP WRD Project	Kenya/Uganda
15	Transboundary Watershed/Wetland Management Project	Ethiopia/Sudan
16	Uganda (Nkenda)-D.R. Congo (Beni-Butembo-Bunia)	DR Congo/Uganda
17	Nyimur/Limur MPP WRD Project	South Sudan/Uganda

Objective of the hub:

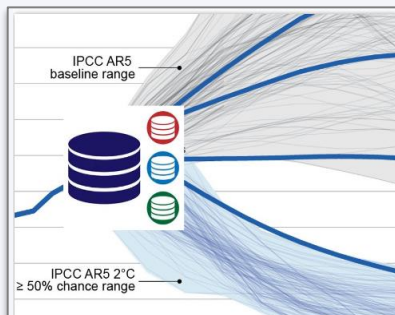
Capacity support and increasing effectiveness of climate proofing throughout the Nile Basin

4 complementary components of the hub



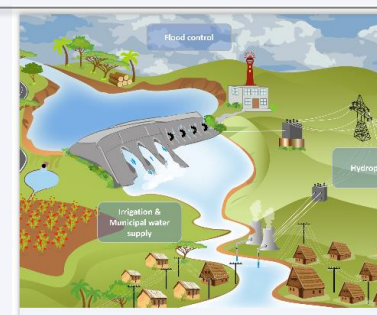
Component 1
Web-based Climate Proofing Manual

Component 3
Embedded PIEVC practitioners network



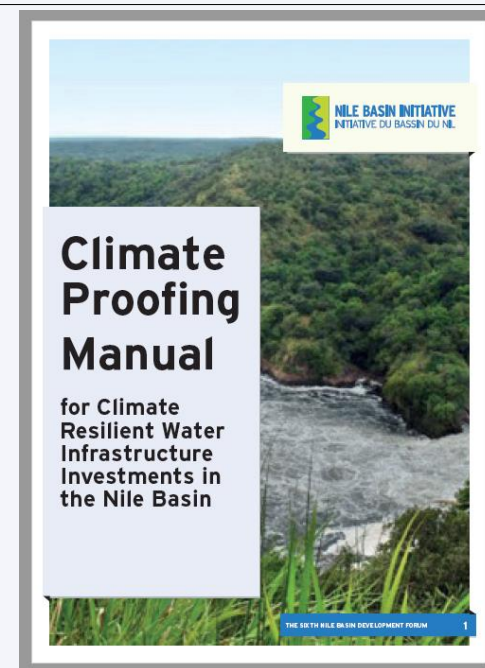
Component 2
Climate Scenario Database

Component 4
Full E-learning course on climate proofing

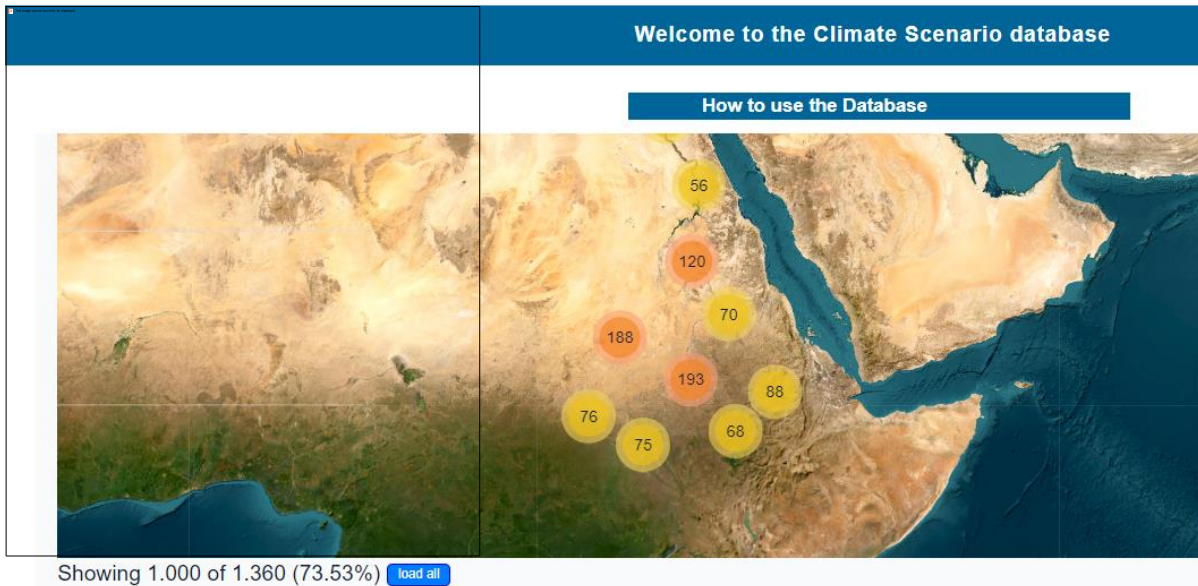


Component 1: Climate Proofing Manual (interactive)

- ✓ Reflecting climate proofing of **each stage of the investment cycle**.
- ✓ **Mainstreaming Eba** into all aspects of climate proofing
- ✓ **Customized PIEVC methodology** for water infrastructure service reliability & structural performance assesement



Hub component 2



- Access to bias corrected downscaled Climate Projections (temperature & precipitation) for the entire basin, IDF, PMP **to be used for PIEVC assessments / Flood frequency analysis**
- Stored in a database on the climate proofing hub
- Open access query tool to download scenarios for 1360 catchment units

Hub component 4



- ✓ Making learning objectives explicit
- ✓ Videos
- ✓ Exercises
- ✓ Knowledge checks and Exams
- ✓ 24/7 self-paced



Climate Proofing of Infrastructure Investments

Search the course

Search

Resume Course

Course Tools

[Bookmarks](#)

Upcoming Dates

Apr 30, 2023

Course starts

[View all course dates](#)

Course starts in 2 weeks on Apr 30, 2023.

Don't forget to add a calendar reminder!

4 Modules, 14 Units, +25 sessions

Expand All

- > Introduction into the Training
- > Module 1: Climate change and water-related infrastructure in the Nile
- > Module 2: Climate services for infrastructure investments
- > Module 3: Climate proofing for sustainable infrastructure investments at the project level
- > Course Wrap-Up
- > Workbench

Next steps

- ✓ Upscale the case studies.
- ✓ More capacity building.
- ✓ Enhance the outreach.
- ✓ Ensure the mainstreaming of the climate proofing guideline in the future projects.



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**THANK
YOU!**