

First Climate Risk Assessment Workshop for water infrastructure in the Nile Basin

Entebbe, Uganda: October 17-19, 2018

I. Overview of the Workshop

1. Objectives of the workshop

Overall objective

The overall objective of the workshop is to bring NBI task team to a) selection of cases and prepare project formulation including training the task team on the PIEVC process b) to kick start climate risk assessment and preparation of climate proofing guideline.

Specific objectives

- To train and scope the PIEVC application for two to four case studies including identification of data requirement and detail preparation of the next workshops (data collection on infrastructure and climate) to enable the task team to prepare all the required information for the second workshop
- Inception of the climate guidance development and review of experience in case study countries
- To share and discuss historical and future climate trends of the selected case study sites:

2. Expected Outputs of the workshop:

2.1 climate risk assessment

- Two cases to be selected and forwarded
- Well-defined scope of the risk assessment
- Identified information needs for carrying out the PIEVC climate risk assessment in the two case study sites identified
- Participants trained on the PIEVC climate risk assessment protocol
- Documented existing knowledge on historical and future climate of the case study sites
- Improved draft project implementation plan

2.2 Climate guidance document

- Agreed upon structure of the climate proofing guidance document
- Agreed process of interaction

3. Participants:

Water resource planning or development specialists from the ENTRO and NELSAP, infrastructure planners from the Nile basin, water resource modelers from the Nile Basin Secretariat, staff of the Climate Services for infrastructure investment project and a consultant from SWECO will attend the workshop.

II. Workshop Agenda

Schedule & venue for the workshop		
NBI secretariat, Entebbe, Uganda: October 17-19, 2018		
Agenda		
Day 1: October 17, 2018		
09:00	Registration	
09:30-09:50	Opening & Welcome remarks	Dr. Abdulkarim Seid Dr. Malte Grossman Dr. Niklas Baumert
09:50-10:00	Workshop framing, agenda and expected outputs	Dr. Niklas Baumert / Dr. Michael Menker
	Description of the PIEVC process	
10:00-10:30	Overview of Sio Sango and Mara multipurpose dam and the climate analysis tool in use in NELSAP	Mr. Maro Andy Tola
10:30- 10:45	Coffee and group photo	
10:45-11:15	Overview of the Tams and Karodobi hydropower projects and the climate analysis tool in use in ENTRO	Mr. Michael Abebe
11:15- 13:00	Questions, comments and discussion about the four infrastructure	Dr. Abdulkarim Seid
13:00-14:00	Lunch	
14:00-14:30	Climate change proofing guideline for water infrastructure in the Nile Basin countries	Dr. Emmanuel Jjunju
14:30-15:15	Discussion on the structure and content of the climate change proofing guideline	Dr. Michael Menker
15:15-15:30	Coffee and Tee	
15:30-17:00	Discussion on the structure and content of the climate change proofing guideline	Dr. Michael Menker

Day 2: October 18, 2018 PIEVC END-To-END Training		
9:30 – 10.45	Exercise I: PIEVC Terminology	Dr. Niklas Baumert and Dr. Michael Menker
10.45 – 11.15	Coffee and Tee	
11.15 – 13.00	Exercise II: Defining the risk matrix (Defining climate variables and infrastructure components based on case study presented)	Dr. Niklas Baumert and Dr. Michael Menker
13:00-14:00	Lunch	
14.00 – 17.00	Exercise III: Applying the risk matrix (calculating risks and assessing tolerability of risk)	Dr. Niklas Baumert and Dr. Michael Menker
Day 3: October 19, Scoping of dam risk assessment		
09:30-10:45	<ul style="list-style-type: none"> Define and decide upon system of interest of the dam infrastructure (functional units) Defining infrastructure sub-components subject to assessment Defining climate variables of concern / defining climate impact model (climate forensics) 	Dr. Niklas Baumert and Dr. Michael Menker
10:45-11:00	Coffee and Tee	
11:00-12:00	<ul style="list-style-type: none"> Identify threshold values for infrastructure components (building codes, climate forensics) 	Dr. Niklas Baumert and Dr. Michael Menker
12:00-13:00	Video call with Peter Nimmrichter <ul style="list-style-type: none"> Presentation of findings from the workshop Discussion 	Dr. Niklas Baumert
13:00-14:00	Lunch	
14:00-15:30	<ul style="list-style-type: none"> Assessment of data needs, availability on dam design and availability of climate information. 	Dr. Niklas Baumert and Dr. Michael Menker
15:30-15:45	Coffee and Tee	
15:45-17:00	Discussion of next steps and work plan	Dr. Niklas Baumert and Dr. Michael Menker