WFaS Scenario Exercise

Towards Innovative Solutions through Integrative Water Futures Analysis
Power of a deep *breath*!

Sharing experience on modelling work

Understanding development scenarios
Output:
East African Community (EAC) WFaS Scenario towards 2050

Qualitative and quantitative descriptions of the EAC’s Water future

Quantitative modeling of water challenges and solution options
Method – Scenario Incasting

- *Incasting* is a foresight technique that explores the specific details of a possible future based on a more general scenario description (Schultz 2003).
Process steps – morning sessions

Incasting on major drivers:

How will the Lake Victoria Basin be transforming in order to achieve the EAC Vision 2050?

- Step 1A: creating qualitative storylines of key drivers (describing their water management implications).
- Step 1B: quantifying major drivers, describing cross-country variabilities.
- A reporting back session.

Agriculture, livestock and fishery

Industry & Commerce (energy)

Surface and Ground Water

Socioeconomic Trends & Domestic Water
Incasting on Challenges and Solutions

What are the major water management challenges associated with the EAC vision and how can these be addressed?

– Step 2A: identify and evaluate challenges and trade-offs.
– Step 2B: identify and evaluate solutions and synergies.
-> a reporting back session

Agriculture, livestock and fishery
Industry & Commerce (energy)
Surface and Ground Water
Socioeconomic Trends & Domestic Water
Kindly, join your working group!

- Agriculture, livestock and fishery
- Industry & Commerce (energy)
- Surface and Ground Water
- Socioeconomic Trends & Domestic Water
Step 1A: creating qualitative storylines

*Under the future envisioned by the EAC, how will different sub-sectors be changing in the Lake Victoria Basin by 2050?*

- Identify driver cards that have significant implications on the basin’s water management and elaborate how they will affect the basin.
- ‘Popcorn report out’ – a volunteer will start from the most important driver, others to add to the storyline.
- Approximately 40 min (<8 min per drivers for 5 drivers).
Step 1B: quantification of major drivers

Using baseline and clues cards, please **quantify key drivers** that will have a significant implication on water management in the Lake Victoria Basin.

- Aggregate quantity,
- Cross-country variability
- Data reliability.

Approximately 40 min (<8 min per drivers for 5 drivers).
Step 2A – identify and evaluate challenges and trade-offs

Based on step 1 discussions, please describe major water challenges that need to be overcome in order to achieve the EAC vision.

Breakout discussions – 40 min.
• Demand-supply gap (variability), quality, and access.
• Identify cross-sectoral challenges.

Intergroup discussions - 20 min.
• Send out ‘messengers’ to other groups.
Step 2B – identify and evaluate solutions and synergies

Based on step 1 and 2A discussions, please describe potential solutions and synergies against challenges and trade-offs identified.

Breakout discussions - 40 min.
• Demand-supply gap (variability), quality, and access.
• Identify cross-sectoral solutions.

Intergroup discussions - 20 min.
• Send out ‘messengers’ to other groups.