



NILE BASIN INITIATIVE
INITIATIVE DU BASSIN DU NIL



E-Flow & Water Alloc. Planning

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E- Flow & Water Allocation

- **Meaning of E- Flow** - An environmental flow is the water provided within a river, wetland or coastal zone to maintain ecosystems and their benefits where there are competing water uses and where flows are regulated.
- **‘Environmental flows’** is a tool for allocating water among multiple, competing uses in a watershed or river basin
- Adoption and implementation requires that environmental flows are incorporated into water policies and laws.

Importance of E- flow in the Nile River Basin

The Principles of Best E- Flows Management Practice

- The principles include:
 - Collaboration
 - Sustainability
 - Evidence based
 - Requisite Simplicity
 - Transparency
 - Adaptability
- **Source:** *Report on E-Flows Determination and Management for Wetlands of the Nile basin ; October, 2019*

Summary of the Seven Phases of the Nile Basin E- Flows Framework



Relevance of EF Principles in Water Allocation Planning in the Nile Basin

- **Collaboration:** the principle of collaboration promotes the participation of stakeholders in the protection and use of water resources and e-flow management activities
- **Sharing benefits:** the principle of the equitable allocation of water resources to stakeholders in the basin through a negotiation process is yet another fundamental principle of e-flows management

Relevance.....

- **Sustainability:** - the ultimate aim is to achieve the sustainable use of water for the benefit of all users. This must be considered in the context of the **existing Nile cooperative framework** that describes the right of all Nile basin States to reliable access and use the Nile River system for health, agriculture, livelihoods, production and environment.
- **Evidence based:** the principle of using available evidence in the decision making process is strongly recommended in e-flow management activities

Relevance.....

- **Requisite simplicity:** requisite simplicity or the principle here of keeping an e-flow management activity “as simple as necessary
- **Transparency:** should be evident in all aspects of; stakeholder negotiations and consultative processes, decision making processes, the generation of and use of evidence and in e-flow methods and e-flow models and tools.

Relevance.....

- **Adaptability:** the principles of adaptive and/or flexible management can generally be defined as “learning from doing”. This implies post implementation activities that consider lessons learnt from the implementation

Key Messages

- The water resources of the Nile basin and the people who depend on them, are in need of the whole basin management plans to manage water resources to ensure sustainability.
- Although e-flows are not managed on a regional scale at the moment in the Nile basin, the Nile basin Framework should make a noticeable contribution to the establishment of regional efforts to sustainably manage the water resources of the basin.
- *Development projects in the basin should be carried out in a sustainable manner, **with green infrastructure**-oriented management plan. Green infrastructure is a cost-effective, resilient approach to managing wet weather impacts that provides many community benefits*



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THANK YOU!