

# WISE-UP to Climate

## Developing portfolios of built and natural water infrastructure

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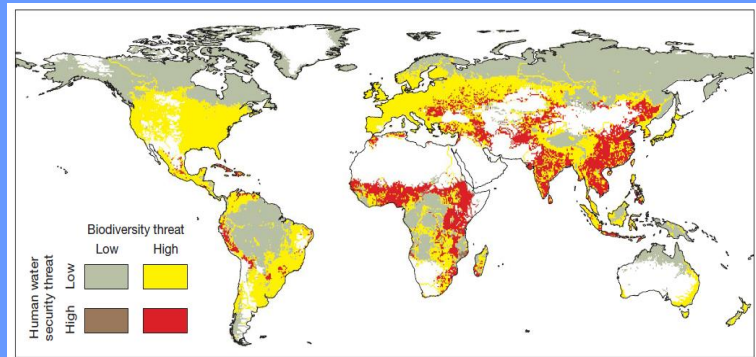


### The future we want

#### Natural Infrastructure for Water Management

Investing in nature for multiple objectives





80% of population faces high levels of threat to water security linked to ecosystem degradation (Vörösmarty et al., 2010).

⇒ high demand and potential for nature-based solutions



## Infrastructure for Economic Development and Growth

Built infrastructure is an asset to store and regulate water to support social and economic development and facilitate adaptation to climate change.

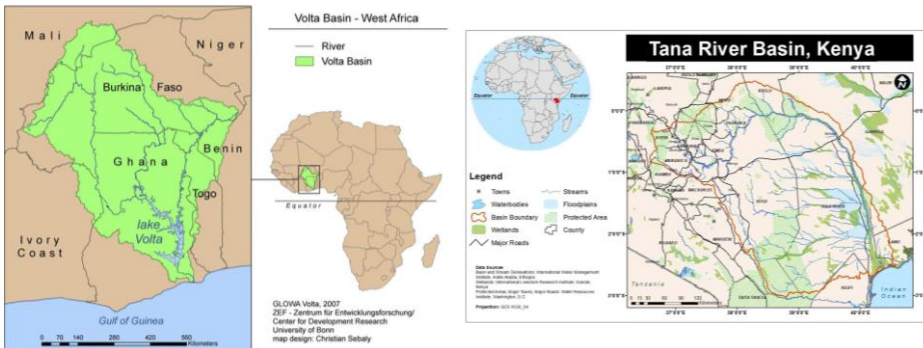


*Question: If ecosystems render important services, why are they not considered directly in water infrastructure planning and investment?*



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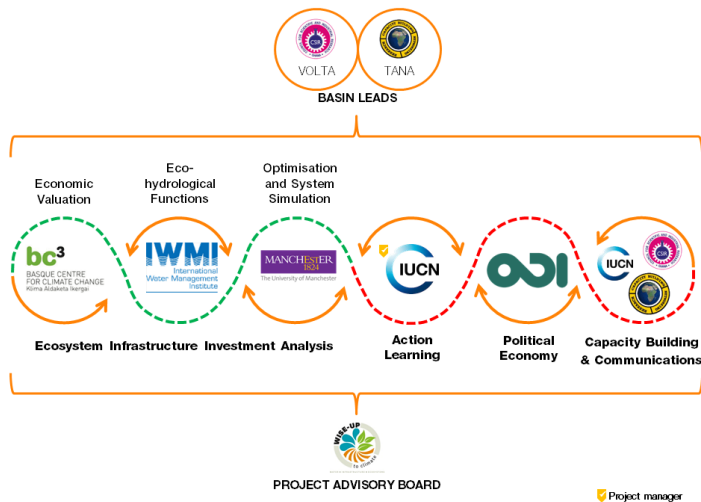
**Project goal:** Adaptive capacity increased through recognition and inclusion of ecosystem services provided by natural infrastructure in investment strategies for climate change adaptation and through optimisation with built infrastructure planning and development.



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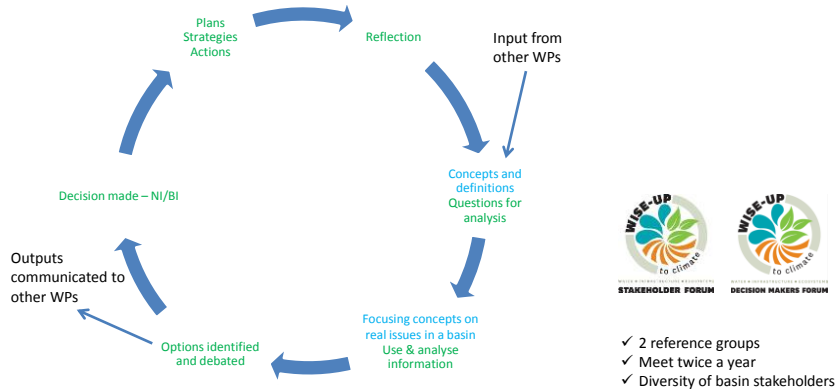
# Multi-disciplinary partnership



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## Action Learning



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## Some initial findings 1

- Decision Makers more concerned with *taking* benefits from the basin. Stakeholders concerned with *creating* benefits within basins
- Inconsistent (not-agreed) information
- Climate, or degradation, or land tenure, or governance? Land-use planning and rights are often over looked.
- Small-scale – is exactly that.....coordination is needed (cancelling out)
- Clear disagreements – on ‘storage’ - irrigation...water supply, energy, for who?

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## Some initial findings 2

- Economics of adaptation remain unclear – the sequencing of approaches is critical but poorly understood
- Often well meaning intentions with little verifiable impact, makes innovation harder if you can not monitor and verify within a useful time scale
- Climate policy roll-out is a long way off, possibly
- Linear, not strategic development pathways tend to take over.
- The ‘flagship’ problem – and backwards justifications

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#Wise2Climate

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