

# Presentation of the CLIVET Project

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# CLIVET

Impacts of Climate  
Change on Water  
Resources and Agriculture  
- and Adaptation  
Strategies in Tanzania



# Key Partners

- **Tanzania:**

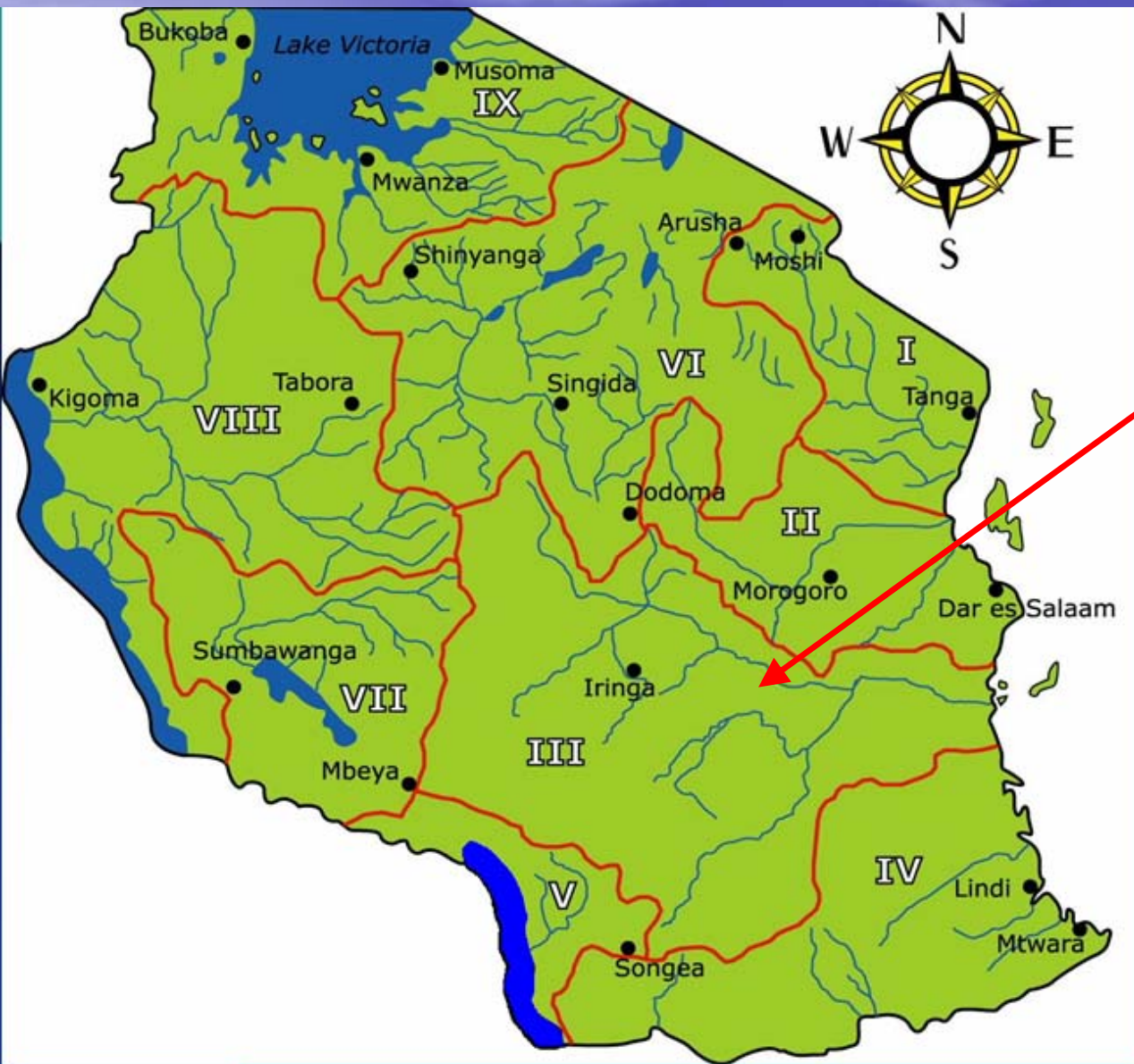
- Institute of Resource Assessment (**IRA**), University of Dar Es Salaam (UDSM)
- Dept. of Water Resources Engineering (**DWRE**), UDSM
- Tanzania Meteorological Agency (**TMA**)

- **Denmark:**

- Geological Survey of Denmark and Greenland (**GEUS**) (Principal Responsible)
- Danish Climate Centre (DCC), at Danish Meteorological Institute (**DMI**)
- Dept. of Geography and Geology (**DGG**), at University of Copenhagen (KU)

# Objectives, to enhance research capacity to

1. **Project climatic changes** on a regional scale in Tanzania
2. **Estimate the impact of climate change on the hydrological regime** and water resources available for agricultural production
3. **Identify observed or likely future changes and adaptation options** in agricultural and irrigation practices, land use, cropping patterns, cropping outputs, ecosystem services, and livelihoods, significantly influenced by climate change
4. **Develop recommendations and input to national and international development policies** on strategies to incorporate inevitable climatic-change-derived impacts on agricultural production systems into future planning and adaptation of the agricultural sector



Study catchment  
Rujifi Basin

# Hierarchy of activities/sub-projects

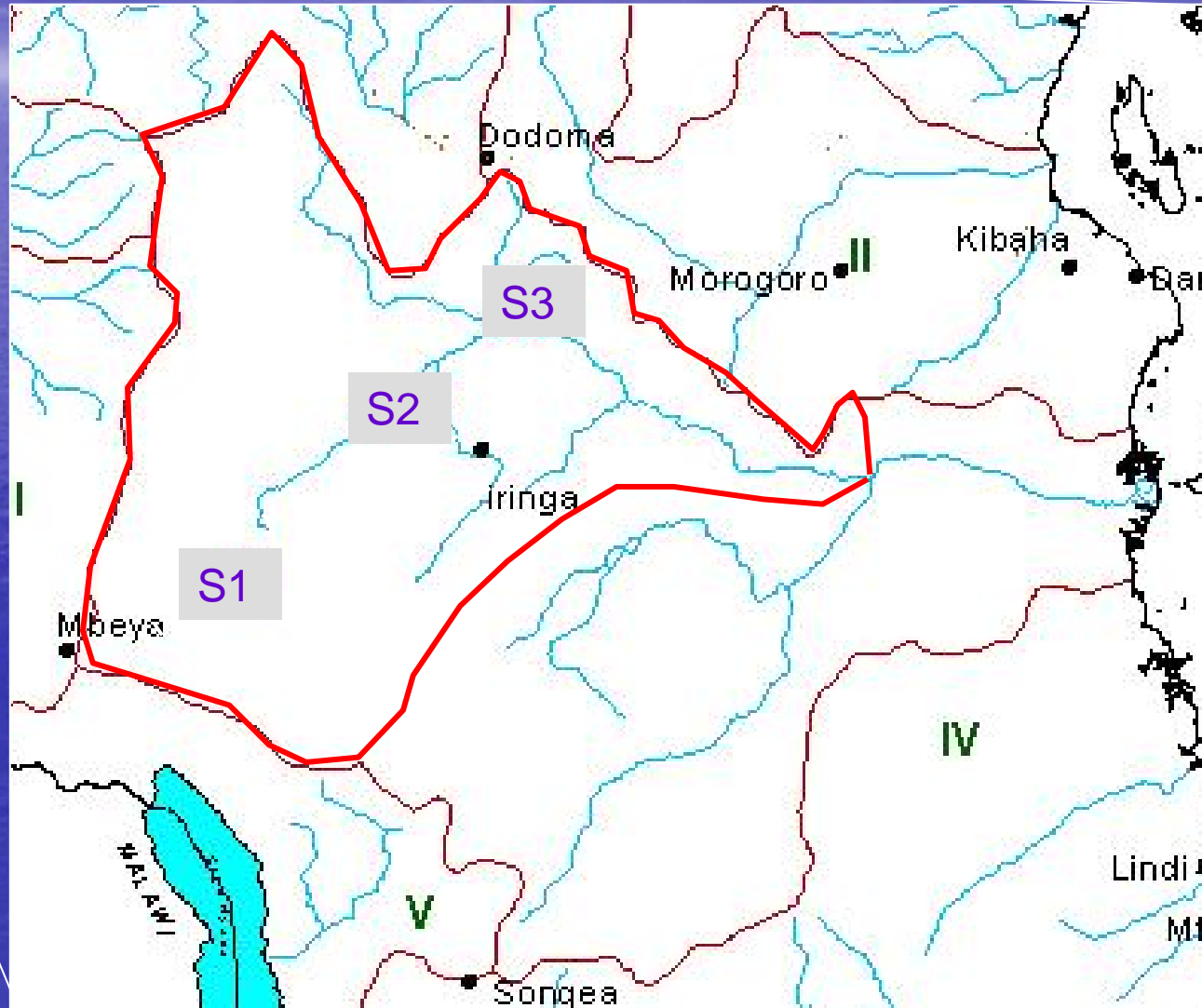
## Work packages:

1. Climatic impacts
2. Impacts on water resources
3. Impacts and adaptation in agriculture

# Research topics

1. Climate change impacts at various scales: regional, basin, sub-basin
2. Hydrological impacts at sub-basin, vulnerable areas, local impacts
3. Impacts upstream and downstream
4. Land use changes, previous and expected
5. Possible large and small scale interventions
6. Impacts and adaptation strategies at household and community scale

# Rufiji River Basin

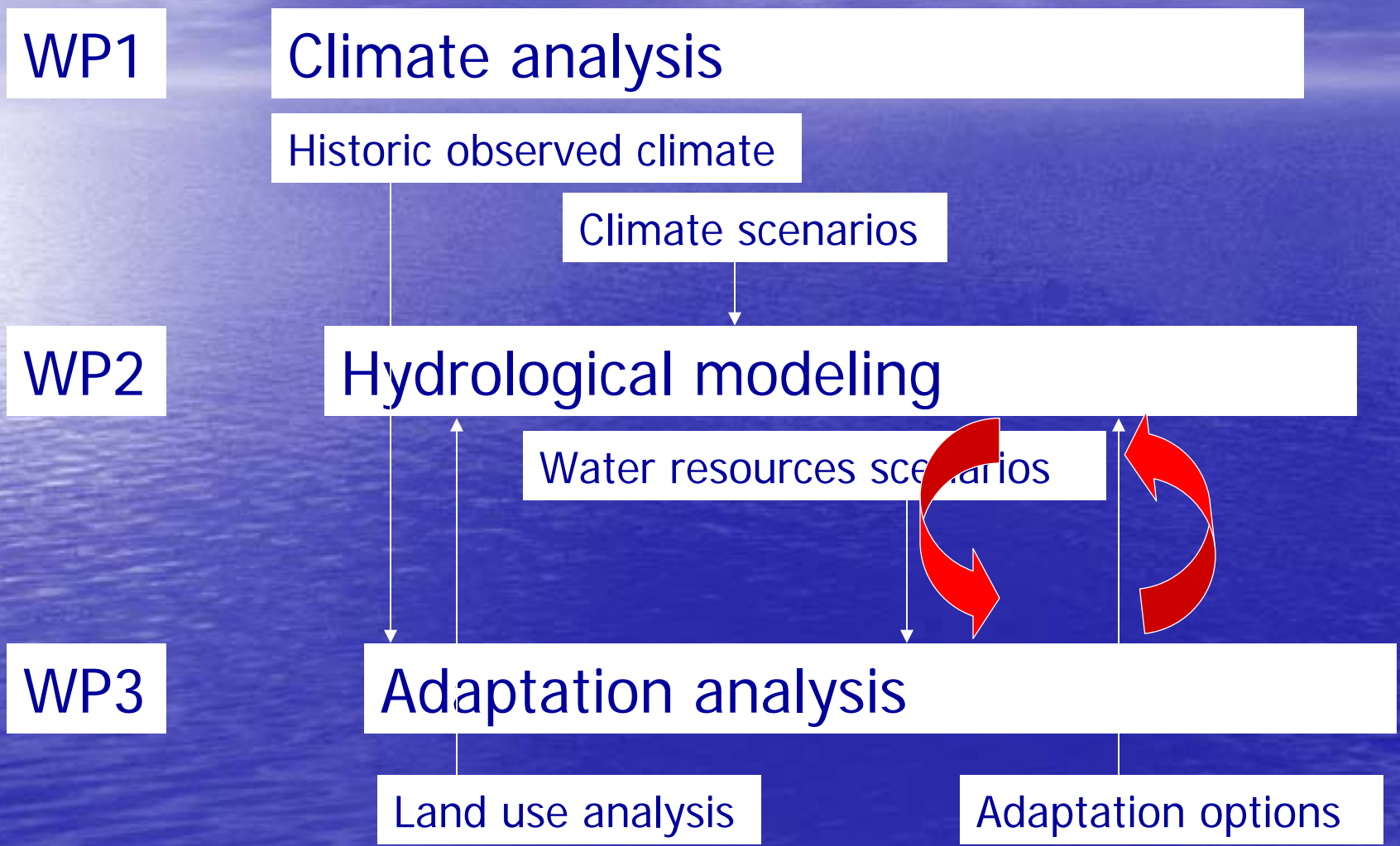


Great Ruaha River Basin

S1 Suggested study sites

- S1: Rujewa – Usangu
- S2: Kiponzelo – Mazombe
- S3: Mahenge - Mbuyuni

# Interaction between WPs





Thank you!

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