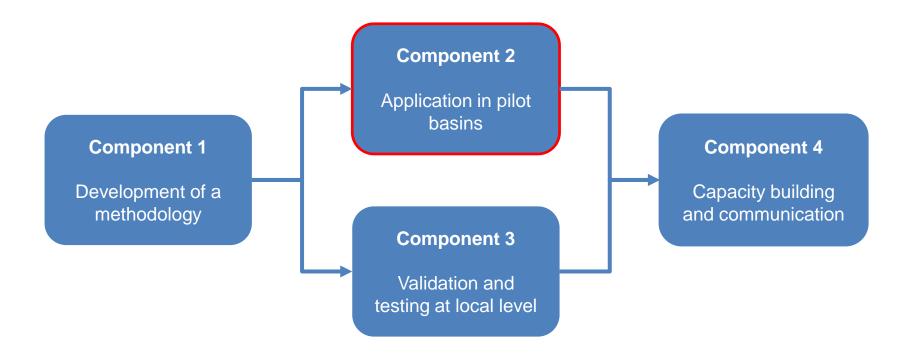


Components









Component 2 – Validation and testing at the basin level



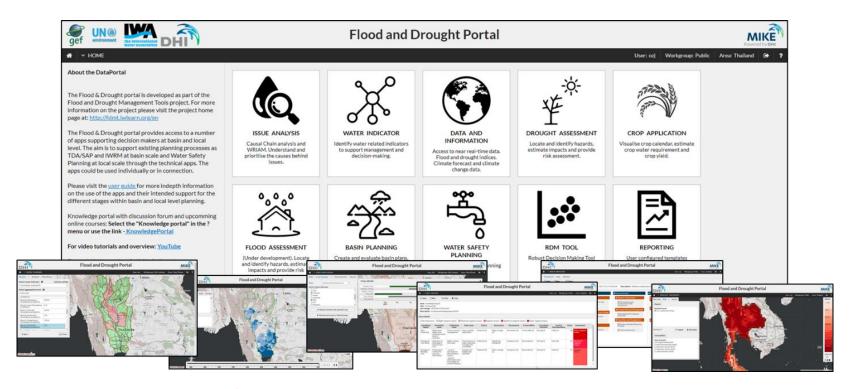
Outcome 2.1: Application of the [step by step methodologies] at the basin level using DSS tools in the three pilot basins enables the integration of flood and drought issues into the IWRM, TDA-SAP and other planning processes.

Output 2.1 - Strategic recommendations for inclusion of flood and droughts consideration in IWRM, TDA/SAP, WSP and other basin land and water planning tools in the 3 selected pilot basins.

Apply and validate the project output at the basin scale







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Key activities in 2018



Functionality of relevant applications completed

- Basin Planning Application
- Final bug fixes

Capacity building

- Technical trainings and workshops held
- Knowledge portal and development of learning and guidance material
 - Step-by step guides (user manual)
 - Video tutorials
 - Guidance documents

Sustainability of system for basin organisations



Sustainability and further improvement of the system is the **main issue** for the river basin organisations

Key questions:

- Maintenance and support after project closure?
- Project spin-offs contributing to the further development of the portal?

Sustainability of system for basin organisations



Maintenance and support after project closure?

- Common interest in maintaining the system after project closure
- Long term sustainability plan is key for stakeholder commitment

Proposed solution for minimum viable product after project closure:

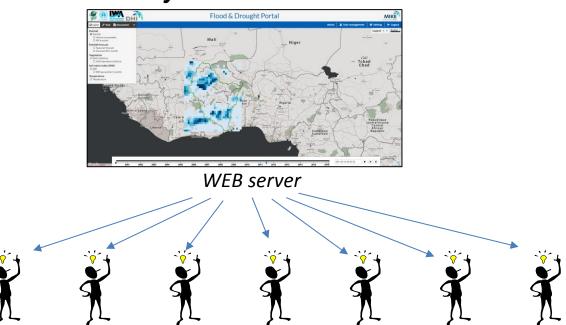
- DHI ensures operational state of the system for the coming 3 years
- Funded internally and through DHI projects
- Training and further capacity building?
- Further development based on stakeholder requests?







New features or bug fixing done on other projects will be made available for all users instantaneously





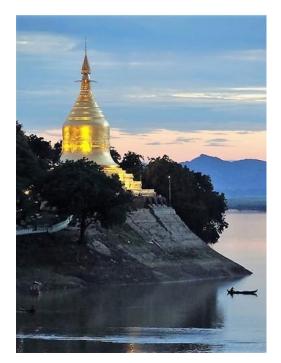




Development of the Ayeyarwady Decision Support System and Basin Master Plan (2018 to 2021)

- To develop and implement the Ayeyarwady Basin DSS
- To develop the Ayeyarwady Basin Master Plan

Further strengthening of the basin planning features









Zambezi Water Resources Information System (ZAMWIS) Hydro-Meteorological Database and Decision Support System (DSS) (2016-2018)

- Developed decision support system (DSS)
- Establish Hydro-Meteorological Database

Further strengthening of the basin planning features through implementation of advanced MCA and CBA (Nov. 2018)





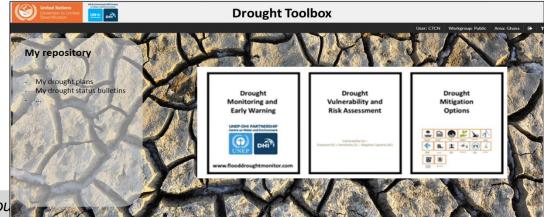




UNCCD Drought toolbox

- Develop operational drought toolbox for UNCCD
- Integrate with existing solutions and tools

Strengthening the drought assessment for focus on interventions and mitigation options as well as an updated drought risk tool





ESA Crop application (Myanmar)

- Drought monitoring
- Use of satellite based data for water resources management

Spatially distributed parameters for the crop application. Spatial assessment of crop water requirement and crop yield





Summary:

- Wide range of DHI projects utilizing the web based portal for the coming years
- Projects will ensure the long term sustainability for basin organization
- Current features supporting basin planning will be further strengthened
- Projects will ensure that the portal is maintained in operational mode
- New features and applications will be made available for existing stakeholders



Sustainability plan from GEF and UNEP?

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