



# RWH implementation impact assessment

Monitoring for IWRM – assignment I

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# Rainwater harvesting potentials

If you want to implement a certain type of water harvesting technique:

- What type of water do you need to harvest?
  - Liquid water, to be used for domestic, agriculture or industrial water supply
  - Soil moisture – Green Water
  - Groundwater – Blue water
- Where and when do you need the water?
- What option is best (hillslope, in-stream)?
- How much water can you harvest?
- What are downstream consequences of implementation?
- How can you evaluate the impact of the intervention
  - Effectiveness
  - Environmental impact
  - Upscaling potential
  - Side effects

# Identification of monitoring possibilities

- What to monitor depends on information needs and objectives
- Expected changes determine monitoring possibilities
- Changes can be in biophysical, social and economic domains



# Identify changes after RWH implementation

- We shall make three groups, all with representatives of JVA, UJ, MoW, MoA and INWRDAM
- Three main types of interventions
  1. Upland interventions (Group 1 Marte)
  2. In-stream interventions (Group 2 Maarten)
  3. Deep groundwater artificial infiltration interventions (Group 3 Brindha)

# Aspects to discuss

- For different RWH interventions
  - What changes can you expect after implementation?
  - Do these changes contribute to the objectives for RWH implementation or do these have unintended side effects?
  - What is the scale of impact (local, regional, national)?
  - Are these changes in biophysical, social or economic domain?
  - Are there side benefits to implementation?
  - Who benefits from implementation?
  - Should the intervention be subsidized?
  - Other aspects?
- Decide on a monitoring option for data collection for each intervention
- Place the RWH interventions discussed and answers in a powerpoint presentation for the last workshop day

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