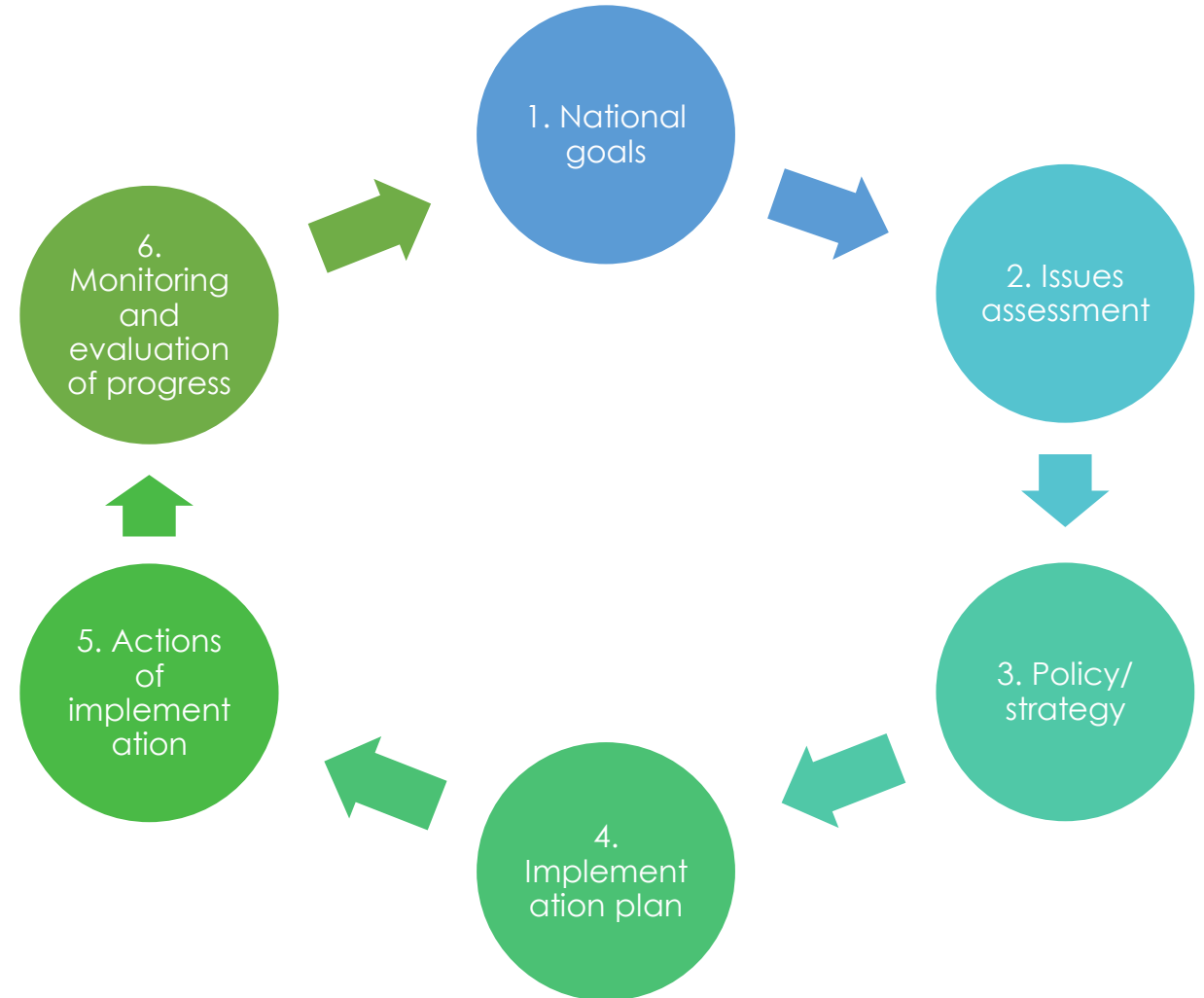


Setting up a Water Consumption Monitoring (WCM) system

Key issues in terms of system establishment and operationalization of WCM system:

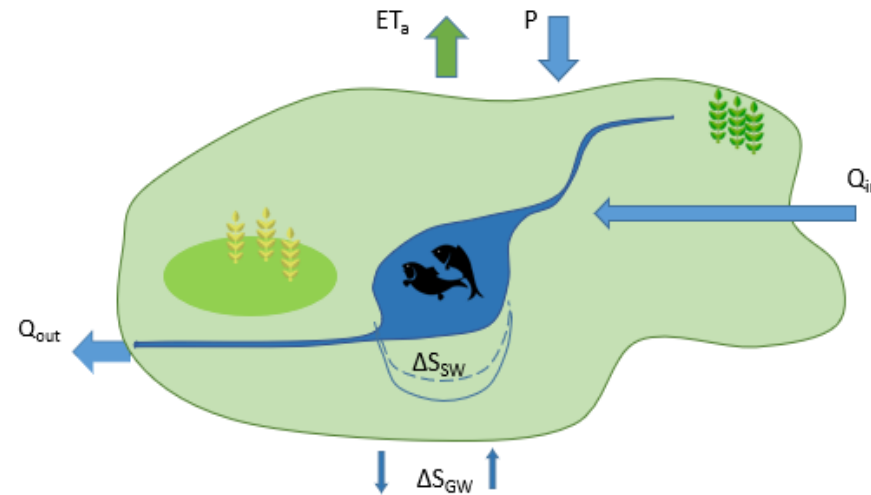
Policy and management implications/ goals:

- Improved annual water resource planning
- Improved operational planning
- Performance of water use in agriculture



What is needed:

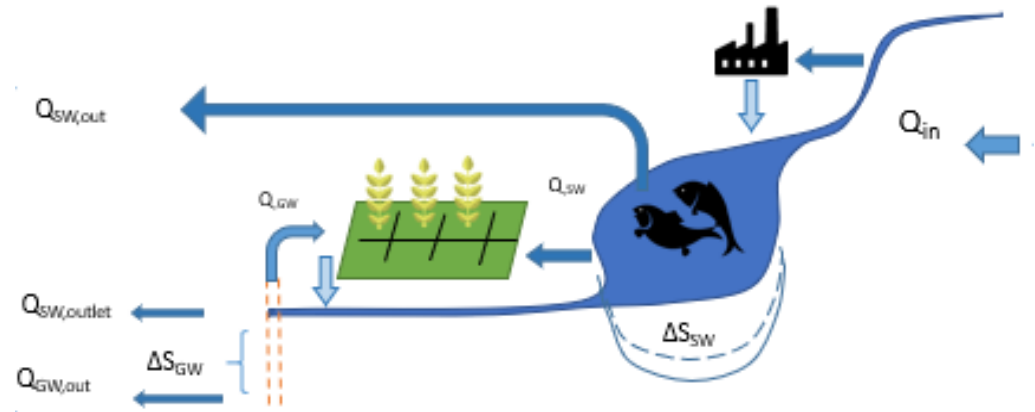
- High level support and commitment → Showing the value
- Institutional setup → issue of ownership
- Data collection infrastructure status → investments
- Approach and workflow constraints → Localizing a solution / identifying the bottlenecks
- Capacity gaps → Identifying skills needed across the board / building a team rather than individuals
- Community participation



Policy recommendations to address the identified issues:

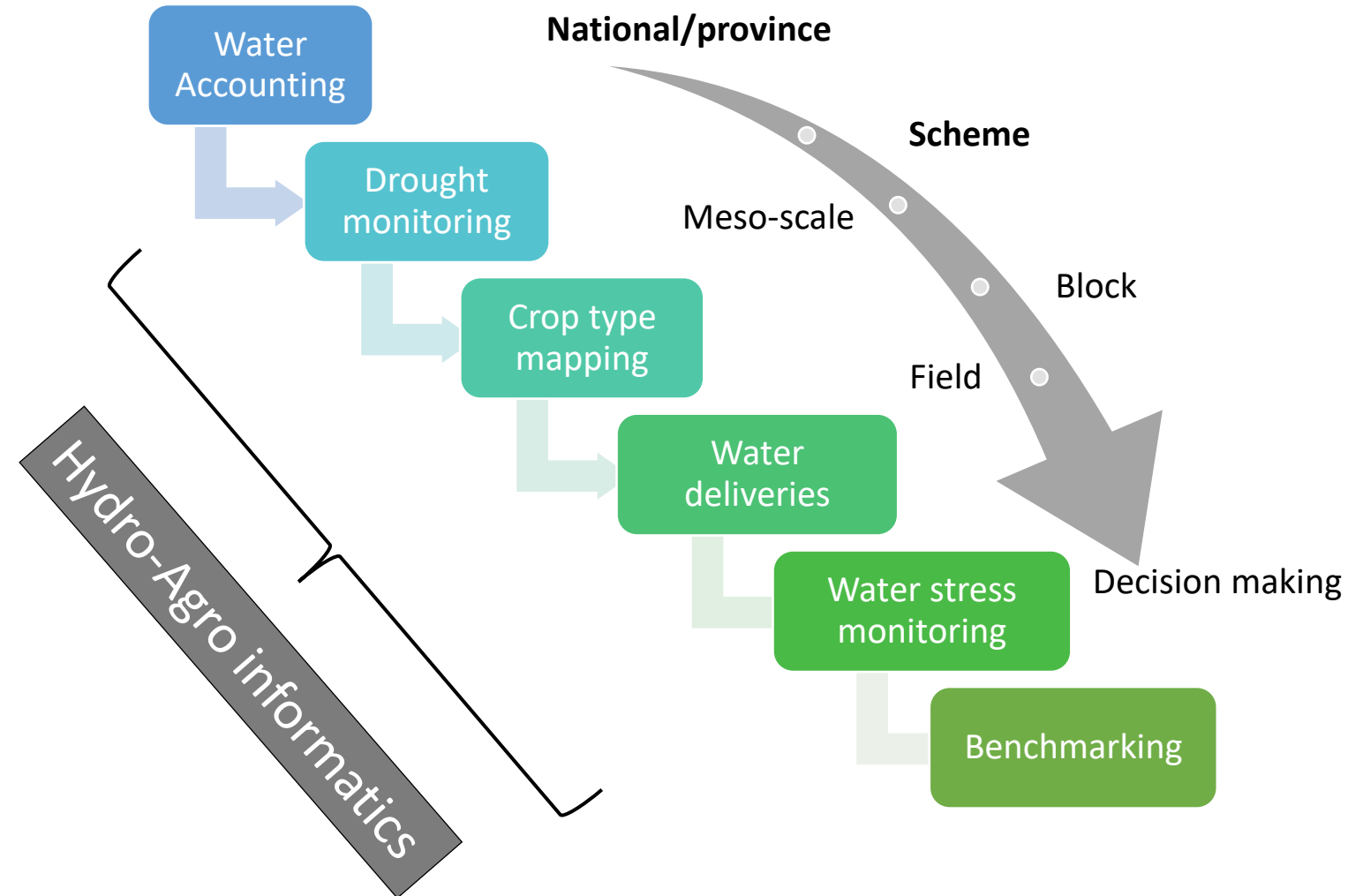
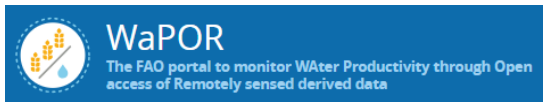
Examples:

- Policy on ET and water productivity monitoring (accuracy, frequency, format, etc.)
- Policy on institutional operationalization policy
- Policy on estimation of GW abstraction
- Policy on filed data collection
- Policy on data management
-



Approach:

- A holistic approach (hydro-agro informatics)
- IT infrastructure assessment and development concept & plan
- Workflow analysis → Where to begin/what to begin with?
- Multi-level capacity development → Adoption and sustainability



Conceptual design of a HAI center

