

Module 8: River basin planning and management

Aim:

Introduce the concepts and approaches to river basin planning and management so that the participants can apply the acquired knowledge in the context of IWRM

ILOs:

At the end of the module, the participants will be able to

- describe the need for river basin planning and management
- suggest appropriate planning and management tools for river basin planning and management

Contents:

Introduction to river basin planning and management

- effect of scales, natural parameters of regional nature and human interventions
- demands from different sectors together with elements of competitiveness
- the need for planning based on basin level

River basin organizations and their expected functionalities

- historical perspective of development of River Basin Organizations across the world
- stakeholders and their participation
- developing and monitoring active representative participation from across different sectors

Water allocation and monitoring

- demand management
- the concept of water allocation - methods and criteria
- pollution management – indicators, strategies and action plans
- monitoring system and dissemination of information

Management plan

- modern concepts in river basin planning
- development of optimum management plan
- river basin planning and management tools
- limitations of river basin planning and management
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Case studies