

Chapter V: Operationalizing TWA: Processes, Methods and Examples

- Guidelines for actions to operationalize TWA
 1. Identifying the Water Management Challenge
 2. Shared Knowledge Base
 3. Identifying and Considering Alternatives for WA
 4. Negotiating at Transboundary Level for Suitable Arrangements
 5. Establishing WA Arrangements
 6. Development of Allocation Mechanisms and Plans
 7. Implementation
 8. Monitoring and Ensuring Compliance
 9. Dispute Prevention and Resolution

Chapter V: Operationalizing Transboundary Water Allocation

Identifying the water management challenge(s) at stake

Identifying key stakeholders and institutional frameworks

Shared Knowledge Base

Identifying and Considering Alternatives for Water Allocation

Negotiating at Transboundary Level for Suitable Arrangements

Establishing Water Allocation Arrangements

Development of Allocation Mechanisms and Plans

Implementation

Monitoring and Ensuring compliance

Dispute Prevention and Resolution Mechanisms

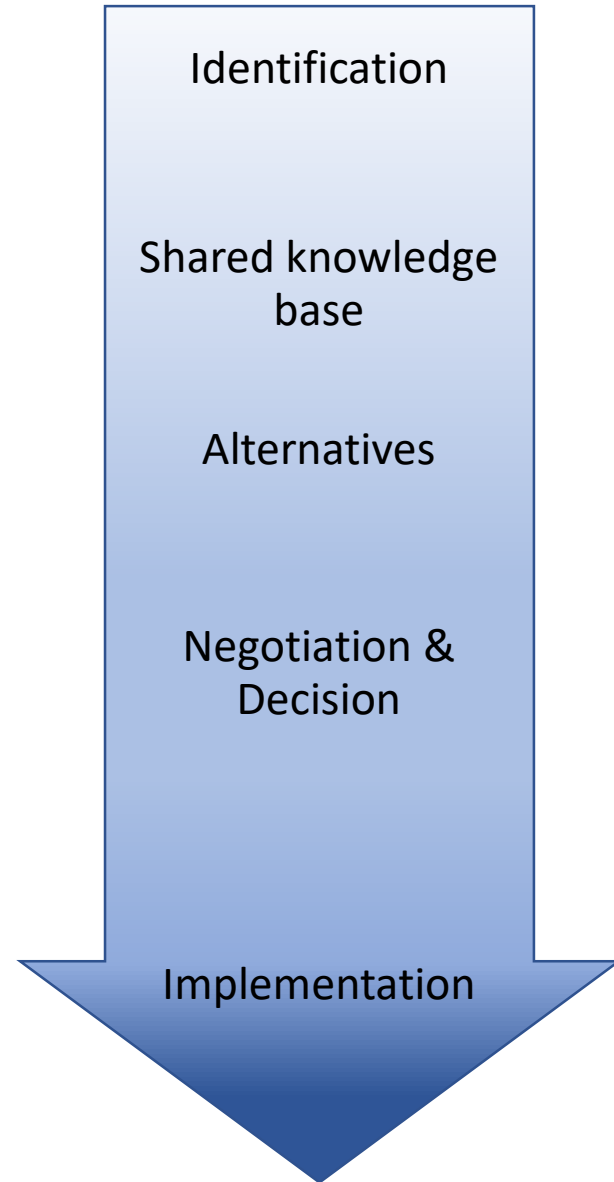
Identification

Shared knowledge base

Alternatives

Negotiation & Decision

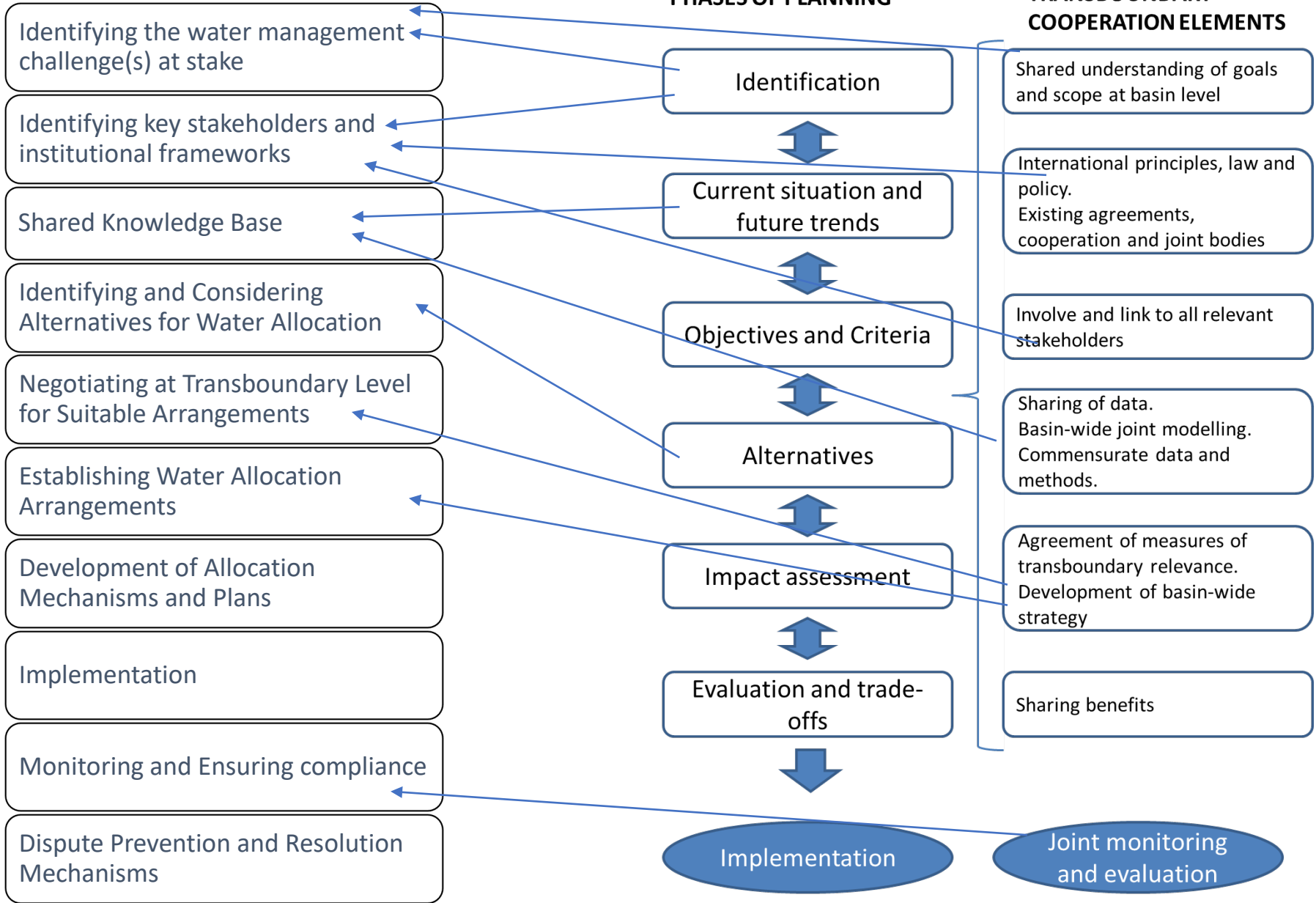
Implementation



Operationalizing Transboundary Water Allocation

PHASES OF PLANNING

TRANSBOUNDARY COOPERATION ELEMENTS



PHASES OF PLANNING

Identification



Current situation and future trends



Objectives and Criteria



Alternatives



Impact assessment



Evaluation and trade-offs



Implementation

TRANSBOUNDARY COOPERATION ELEMENTS

Shared understanding of goals and scope at basin level

International principles, law and policy.
Existing agreements, cooperation and joint bodies

Involve and link to all relevant stakeholders

Sharing of data.
Basin-wide joint modelling.
Commensurate data and methods.

Agreement of measures of transboundary relevance.
Development of basin-wide strategy

Sharing benefits

Joint monitoring and evaluation

Chapter V – feedback

1. Identifying the Water Management Challenge
2. Shared Knowledge Base
 - Present and future pressures on water; sustainable yield of groundwater resources; no duplications with previous chapters; alternatives important in general
3. Identifying and Considering Alternatives for WA
 - Payment for ecosystem services, benefit sharing, wastewater, return flows, desalinated water; separate chapter?
 - Case studies: SADC Protocol
4. Negotiating at Transboundary Level for Suitable Arrangements
 - Arrangements not always central, informal and voluntary cooperation, handbook having too strong legal slant; joint bodies as platforms

Chapter V – feedback

5. Establishing WA Arrangements
 - Need for wider perspective than traditional WA; establishing or renewing
6. Development of Allocation Mechanisms and Plans
 - Development or revision; conjunctive allocation/management of groundwater and surface water; regulation and incentives
7. Implementation
 - 7, 8, and 9 as separate chapters?
8. Monitoring and Ensuring Compliance
 - Use of live metering data and satellite imagery; monitoring, evaluation and ensuring...;
9. Dispute Prevention and Resolution
 - Links between 8 and 9