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IWRM and the Water, Energy and Climate Nexus

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Integrated Water Resource Management

"a process which promotes the **co-ordinated** development and management of water, land and related resources in order to maximise the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems"

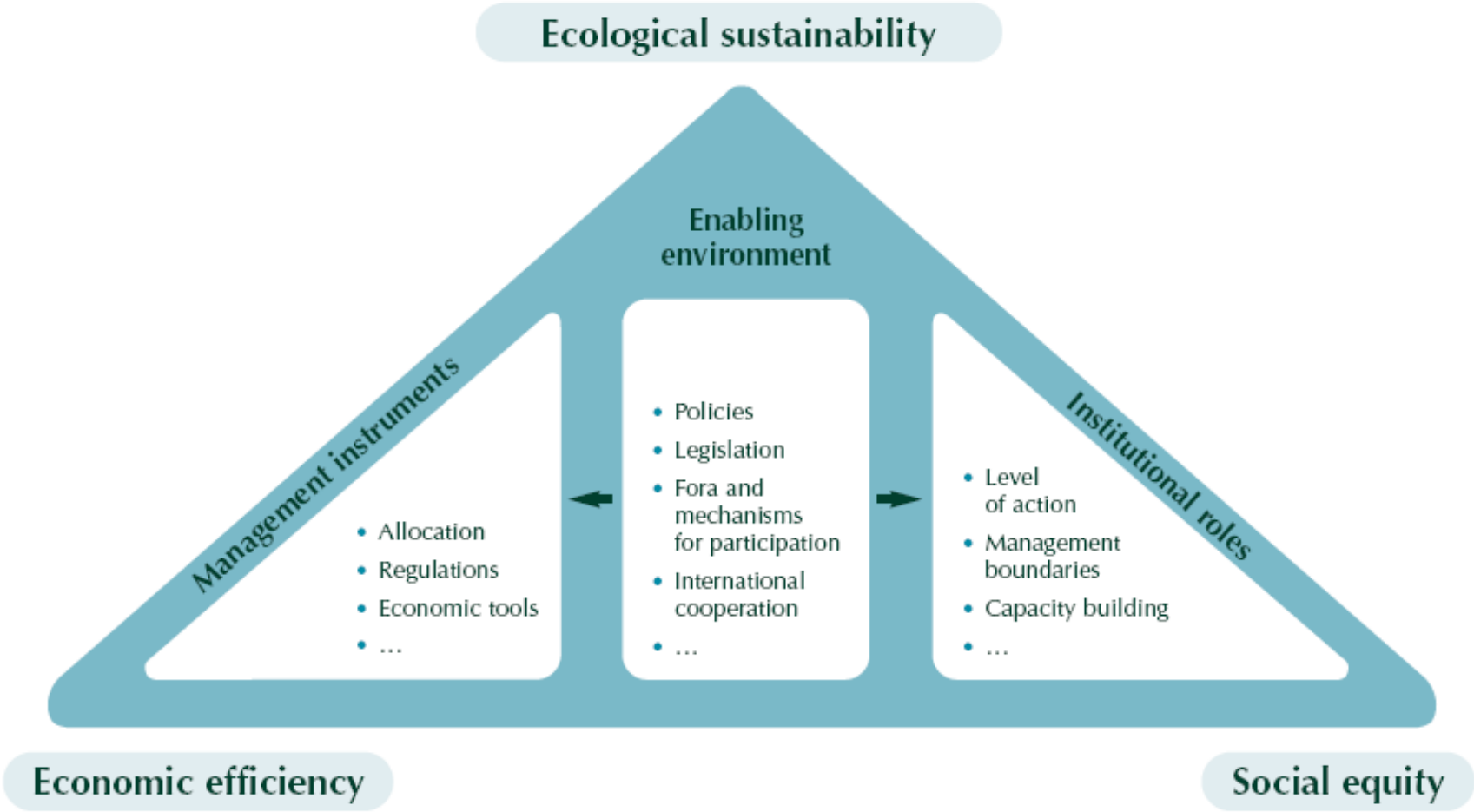
Global Water Partnership (2000)

Co-ordination and Integration

Co-ordination is:
"*the development of ideas about joint and holistic working, joint information systems, dialogue between agencies, processes of planning and making decisions"* (Perri 6, 2005*).*

Integration is:
"the *actual execution or implementation of the products of co-ordination through the development of common organisational structures and merged professional practices and interventions*" (Perri 6, 2005).

The IWRM Framework



ENABLING ENVIRONMENT

- Special task forces and joint committees.
- Use of strategic planning/goal setting to determine priorities.
- Creating a common culture geared toward the sustainable management of resources.
- Appropriate conflict resolution mechanisms.

Institutional Roles

- Permanent cross-functional teams.
- Joint planning and budgeting for water, energy and climate scenarios.
- Capacity building.
- Incentivise co-ordination, integration and collaboration.
- Risk identification and sharing.

Management Instruments

- Vulnerability assessments associated with water, energy and climate linkages.
- Standards and guidelines.
- Joint modelling.

Key Messages

- Co-ordination comes before integration.
- IWRM is an appropriate framework to manage water and energy interdependencies in a variable climate scenario.
- The enabling environment, institutional roles and management instruments must be strengthened concurrently.

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THANK YOU!