

“Un-integrated”

“Fragmented”

**“No consideration of
downstream needs”**

“Disconnected”

“Exclusive”

**“Not considering
the full picture”**

“Elitist”

“Inefficient”

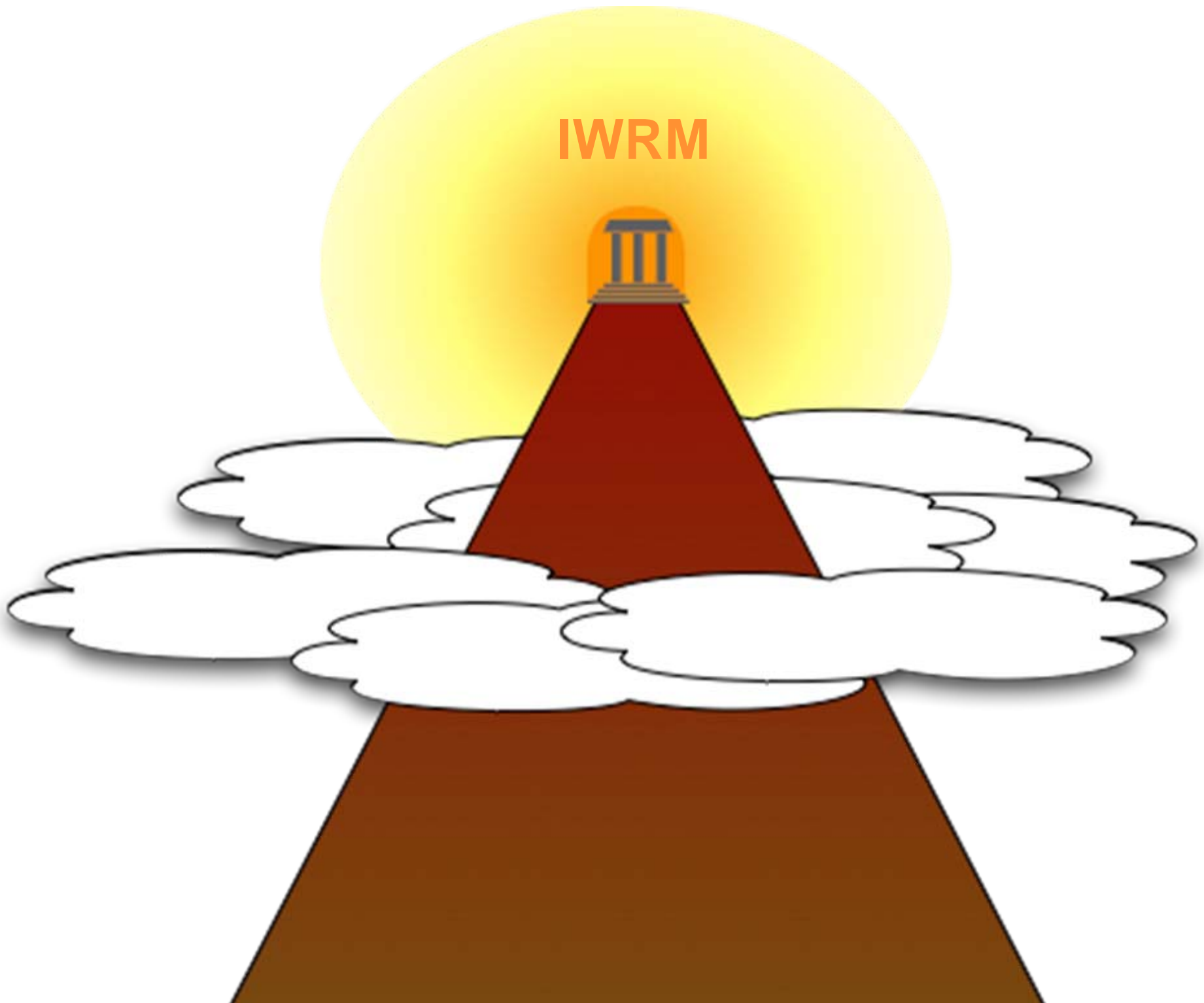
“Inequitable”

“Sectoral”

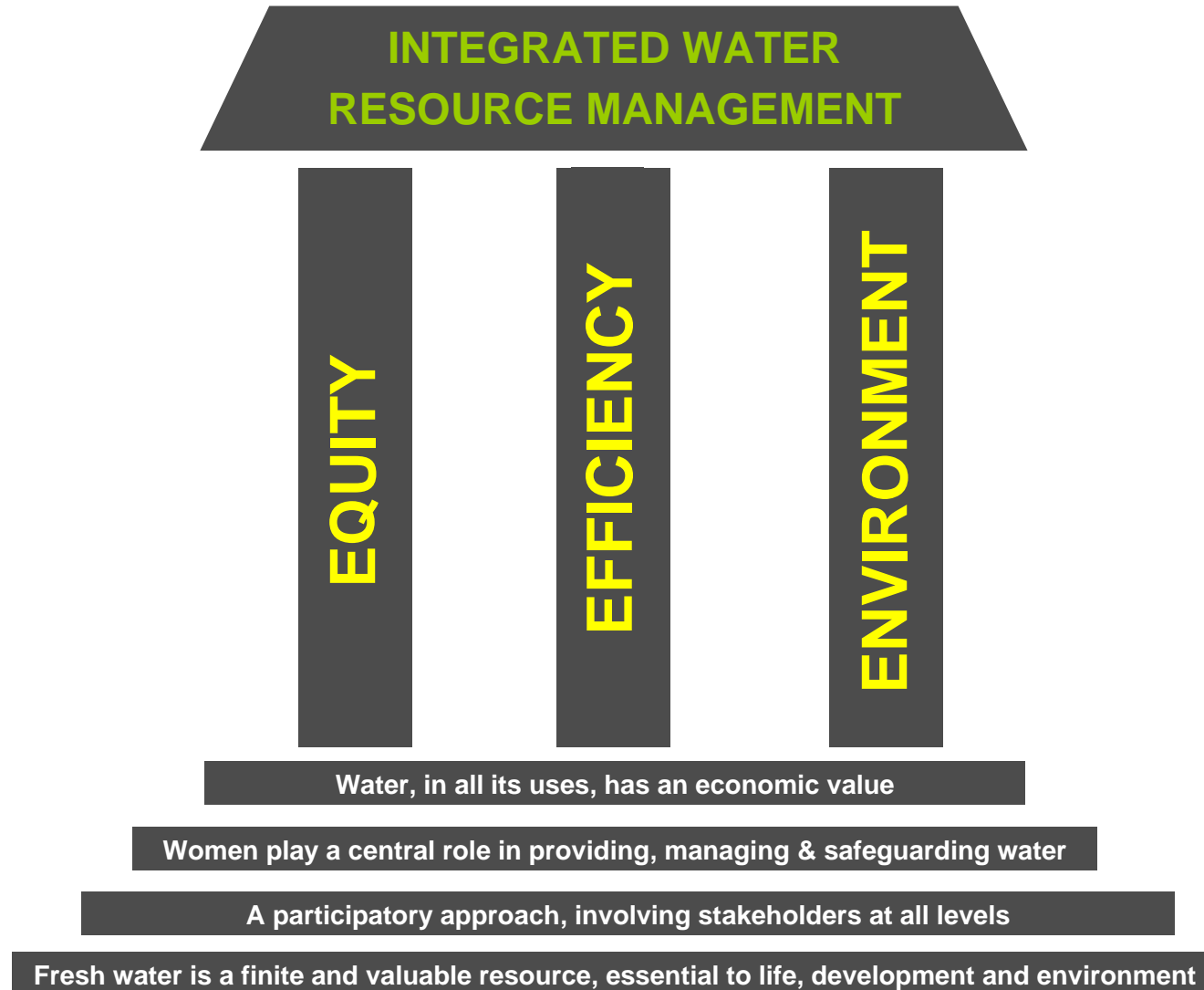
“Unsustainable”

“Short-sighted”

IWRM



The foundations of IWRM





IWRM

A photograph of a snowy mountain slope. In the foreground, a snow machine nozzle is visible, with a trail of snow leading from it. The background shows a dense forest of dark trees under a bright sky.

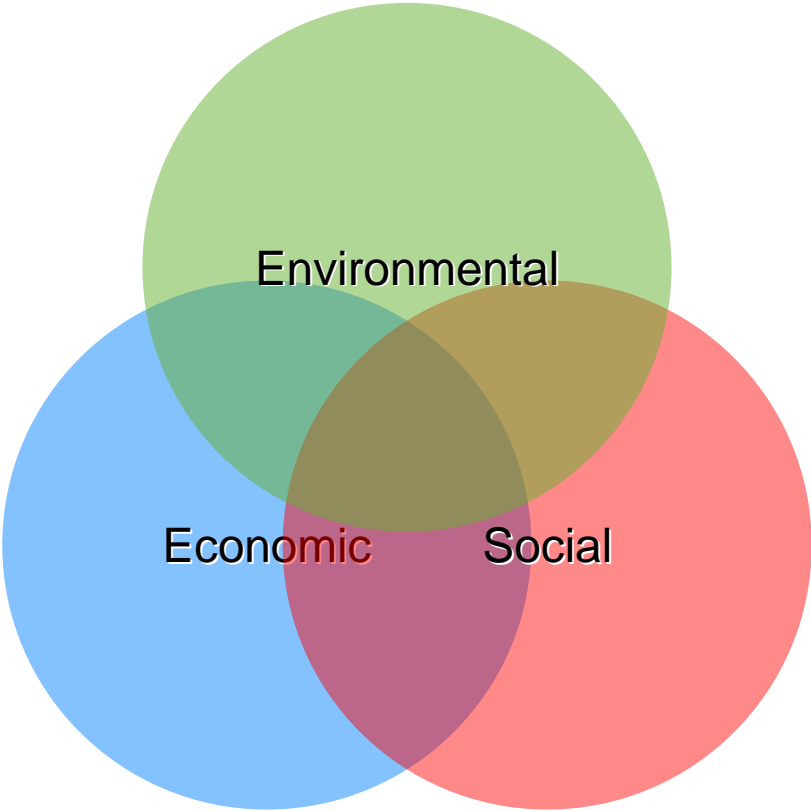
❄️ 1977: UN Conference on Water, Mar del Plata

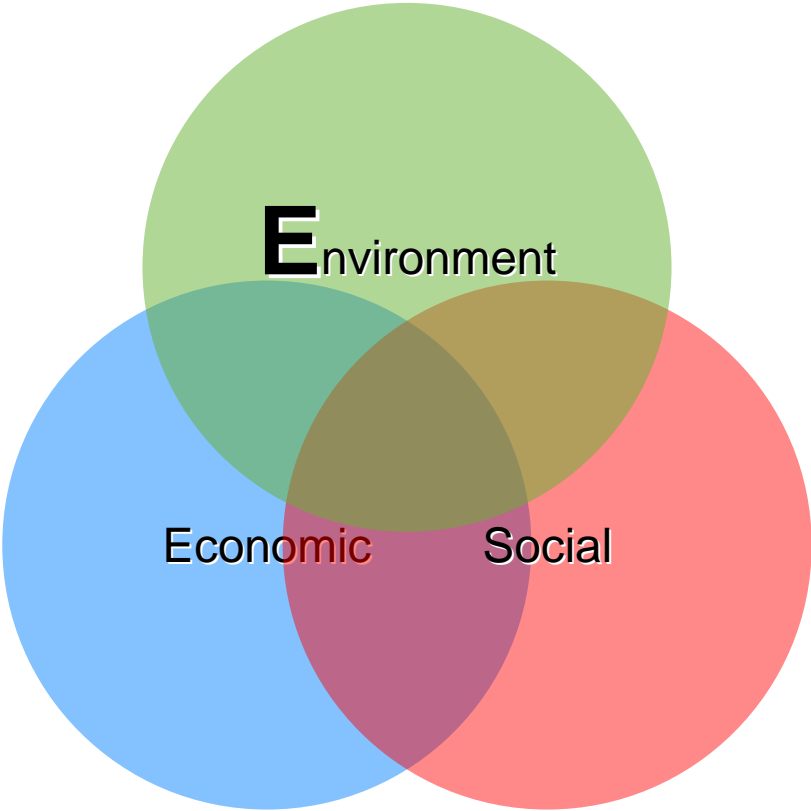
❄️ 1992: Dublin preparation for Earth Summit

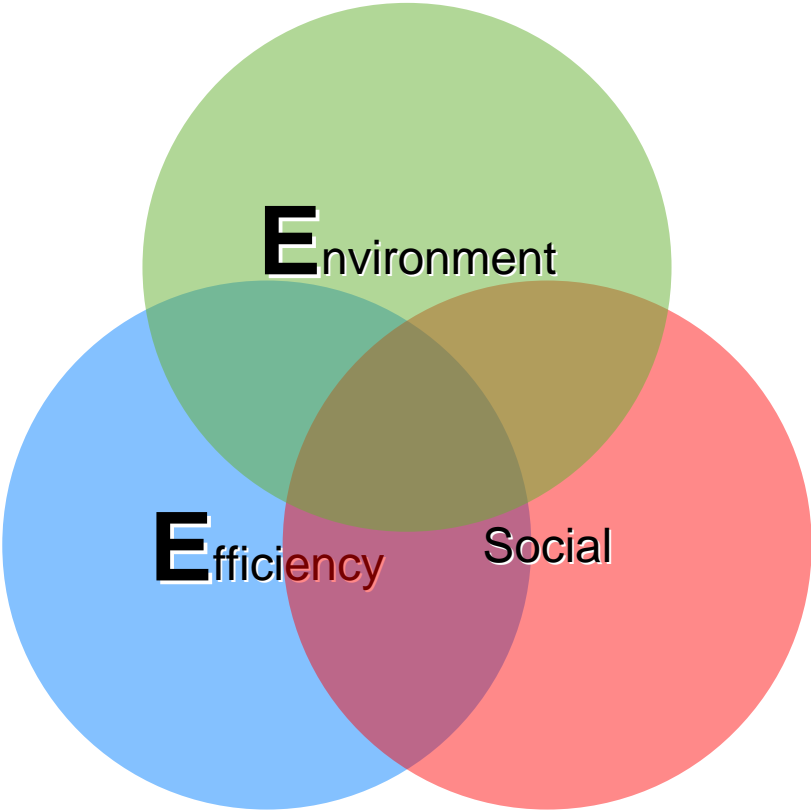
❄️ 2000: GWP

❄️ 2010: Palau!





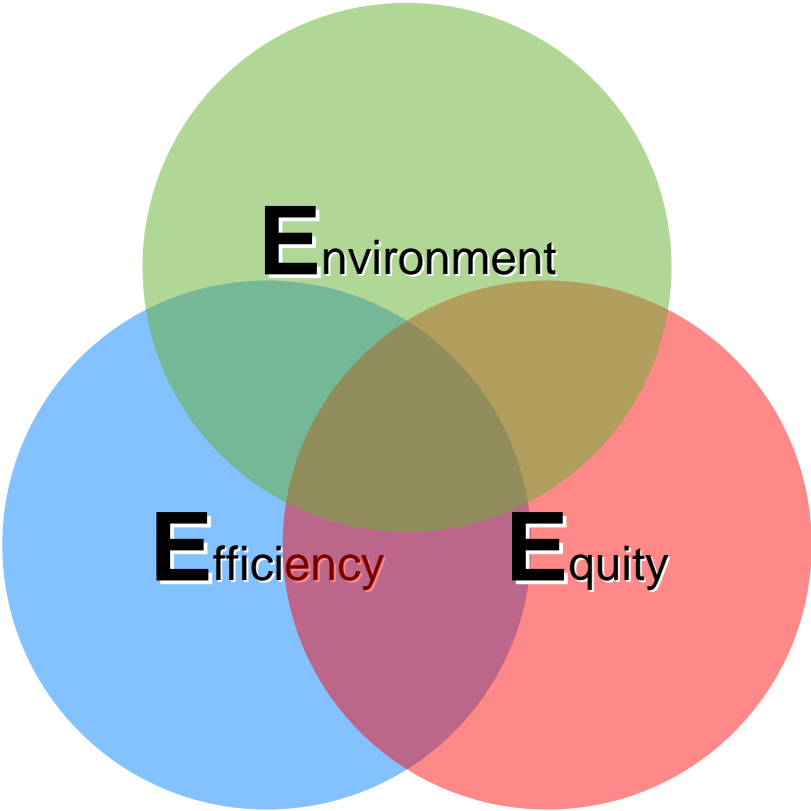




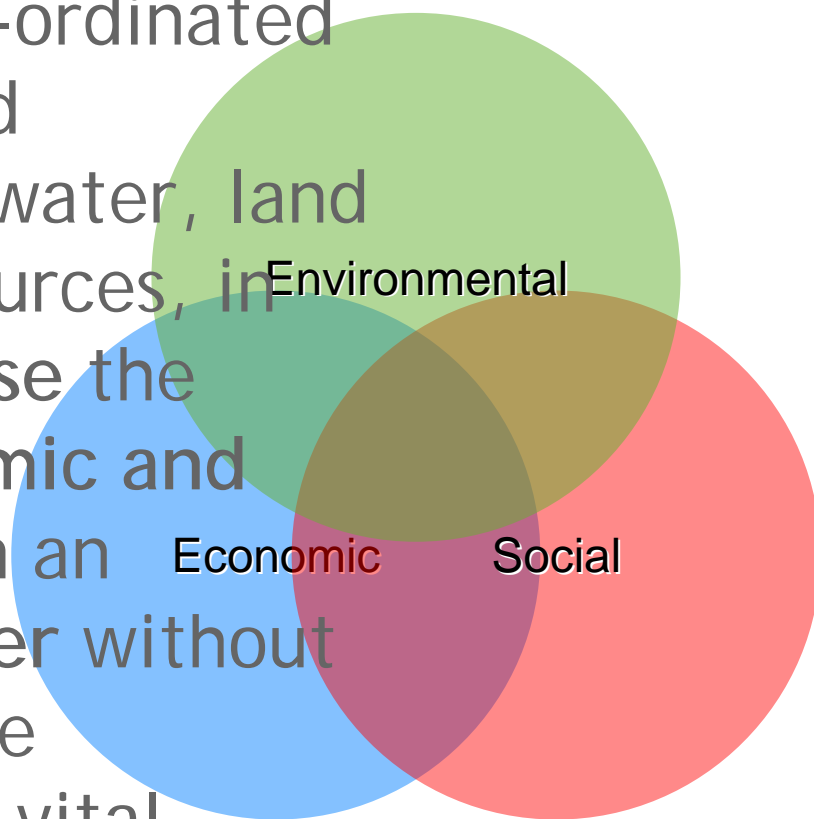
Environment

Efficiency

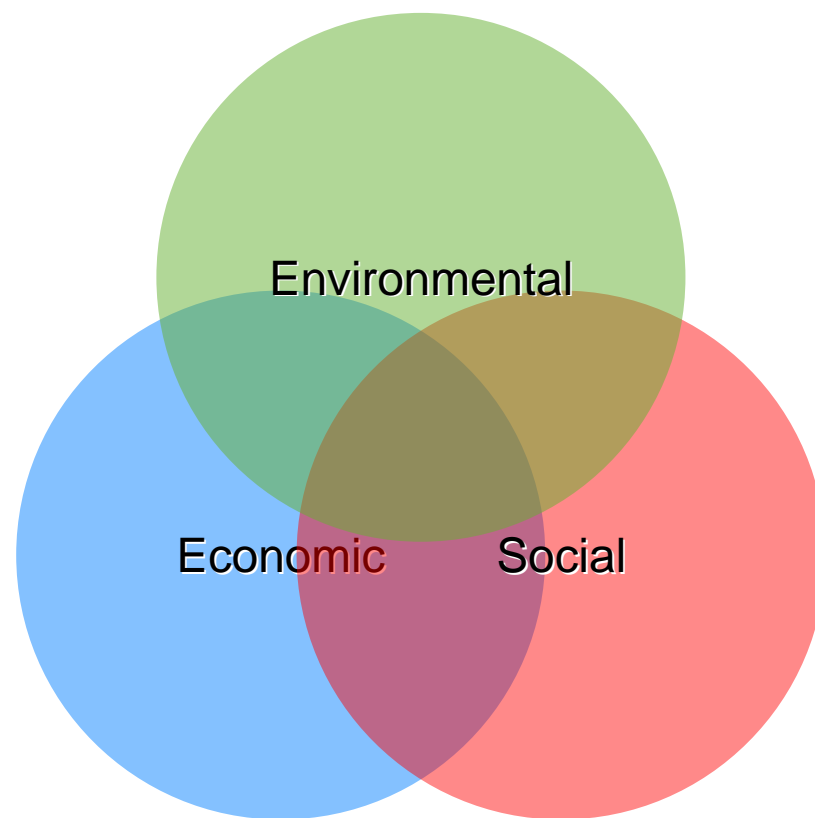
Social

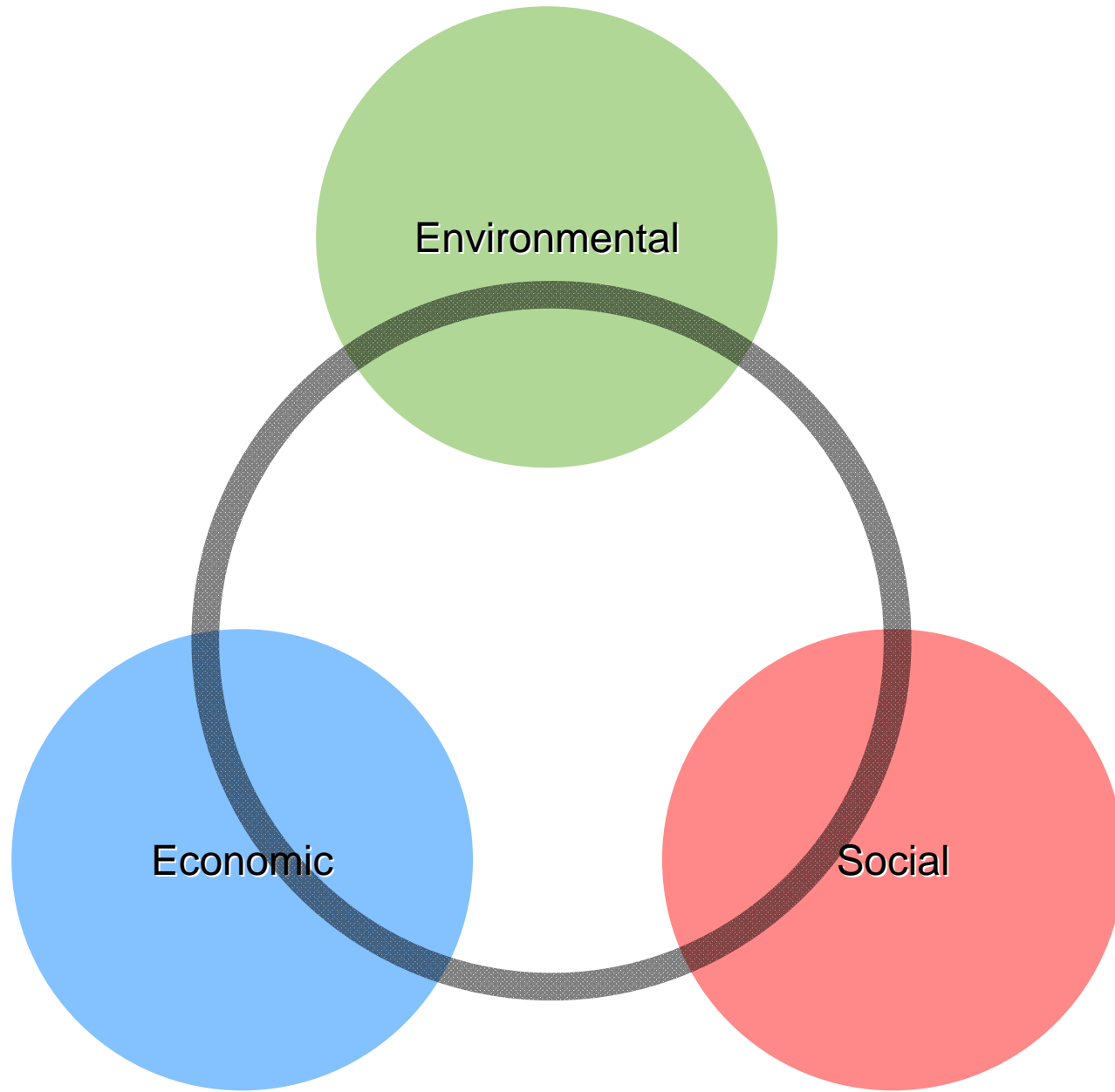


“ IWRM is a process which promotes the co-ordinated development and management of water, land and related resources, in order to maximise the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems” (GWP)

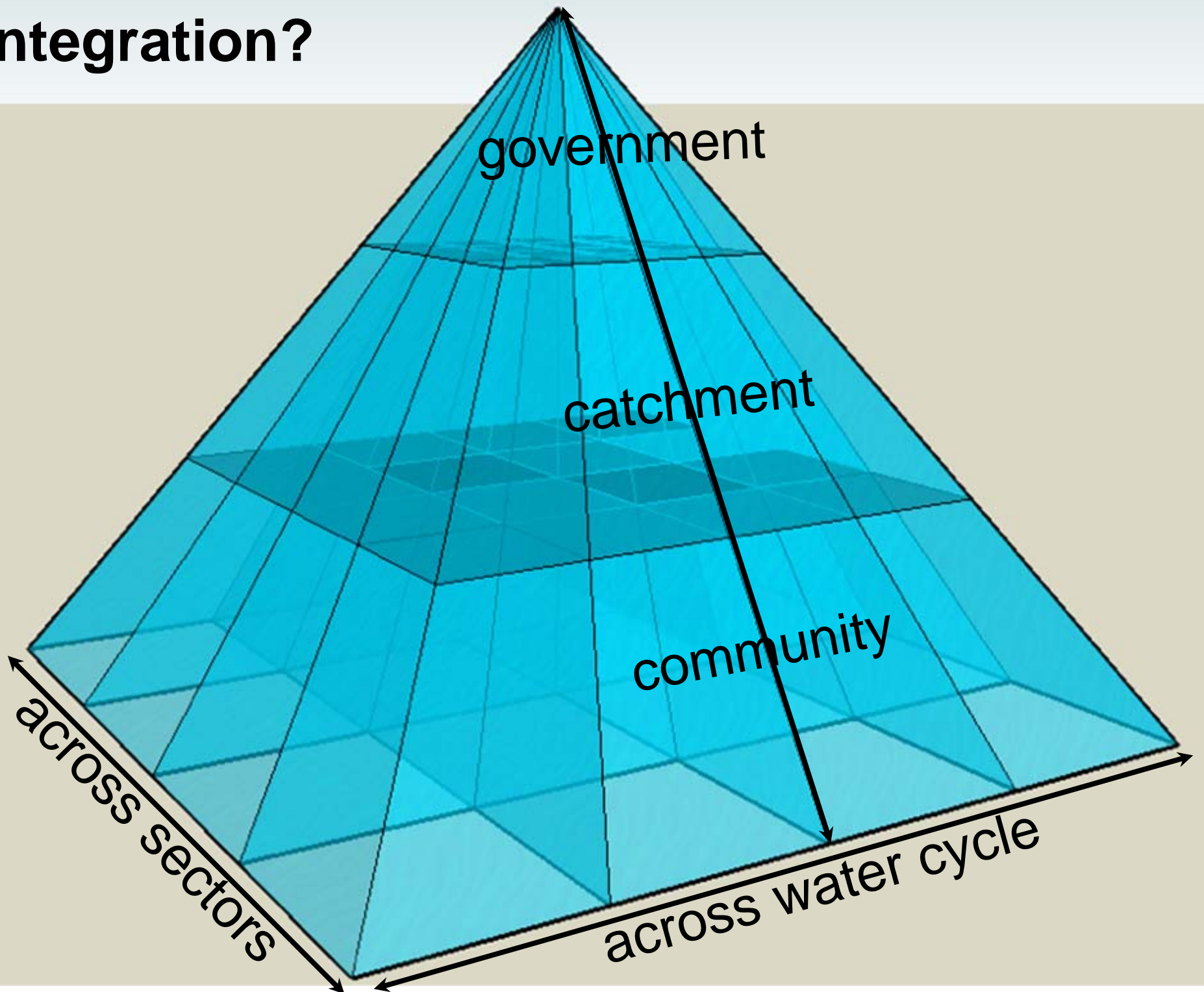


“ IWRM is a process which promotes the co-ordinated development and management of water, land and related resources, in order to maximise the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems” (GWP)





Integration?



Possible Overarching Goals of an IWRM Plan

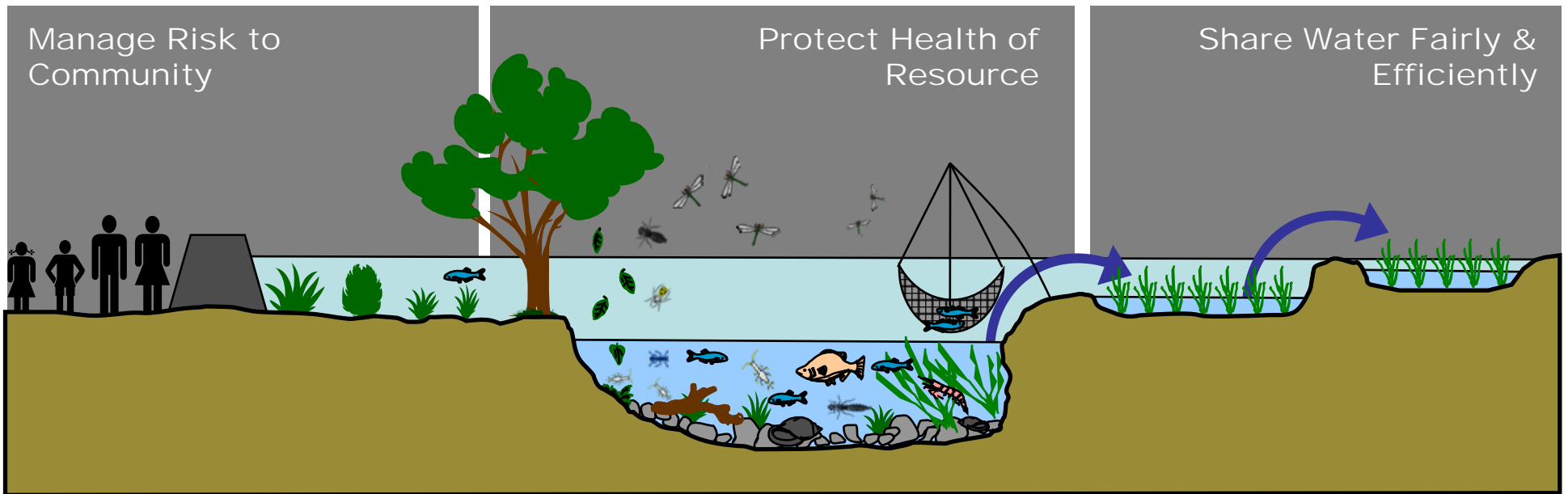
Establish Clear, Efficient & Accountable
Legal & Institutional Frameworks

Develop Knowledge, Capacity &
Awareness at All Levels

Manage Risk to
Community

Protect Health of
Resource

Share Water Fairly &
Efficiently



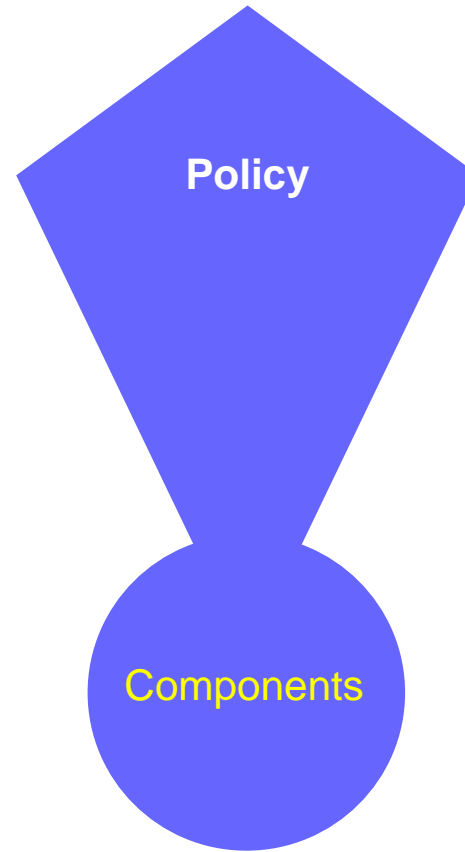
**Priorities
identified
through
consultation**

Components of IWRM Planning Process

	Status & Trends	Specific Objectives	Agreed Actions
Risk or Stress from Pollution & Degradation	<ul style="list-style-type: none">•Water quality•Pollution Sources•Areas of degradation (and causes)	<ul style="list-style-type: none">•Water Quality Objectives•Objectives for Managing Water Ecosystems	<ul style="list-style-type: none">•Planning•Management•Works•Permit Conditions•Awareness
Risk or Stress from Over-Exploitation			
Risk of Damage caused by Water			

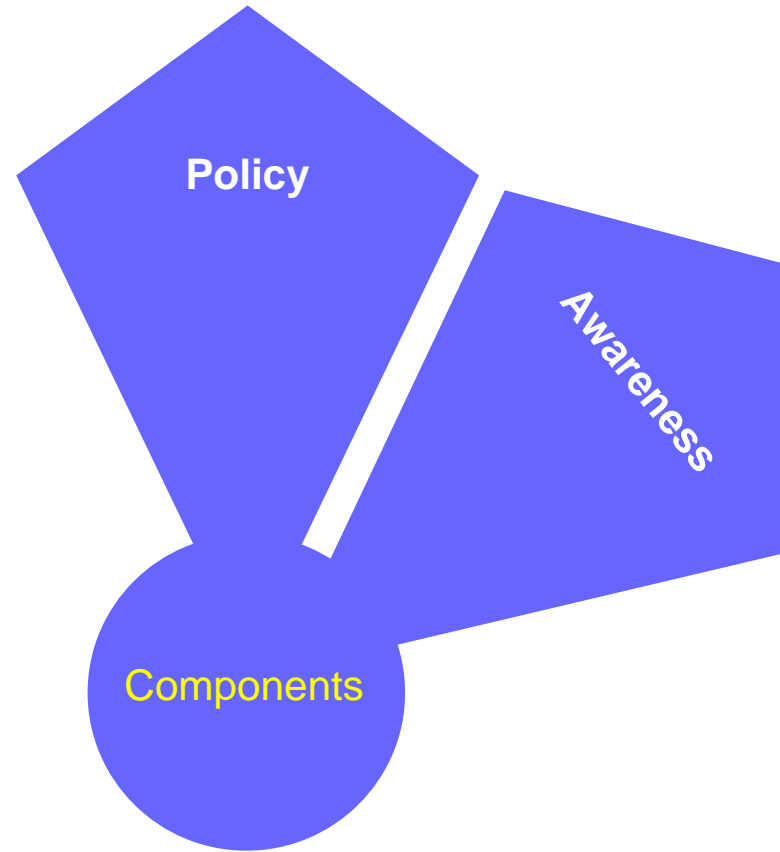
The IWRM Planning Roadmap

- **Guiding principles**
- **Direction to action**
- **Commitment to sustainable management**
- **Aspirational**
- **Appropriate to own circumstances**



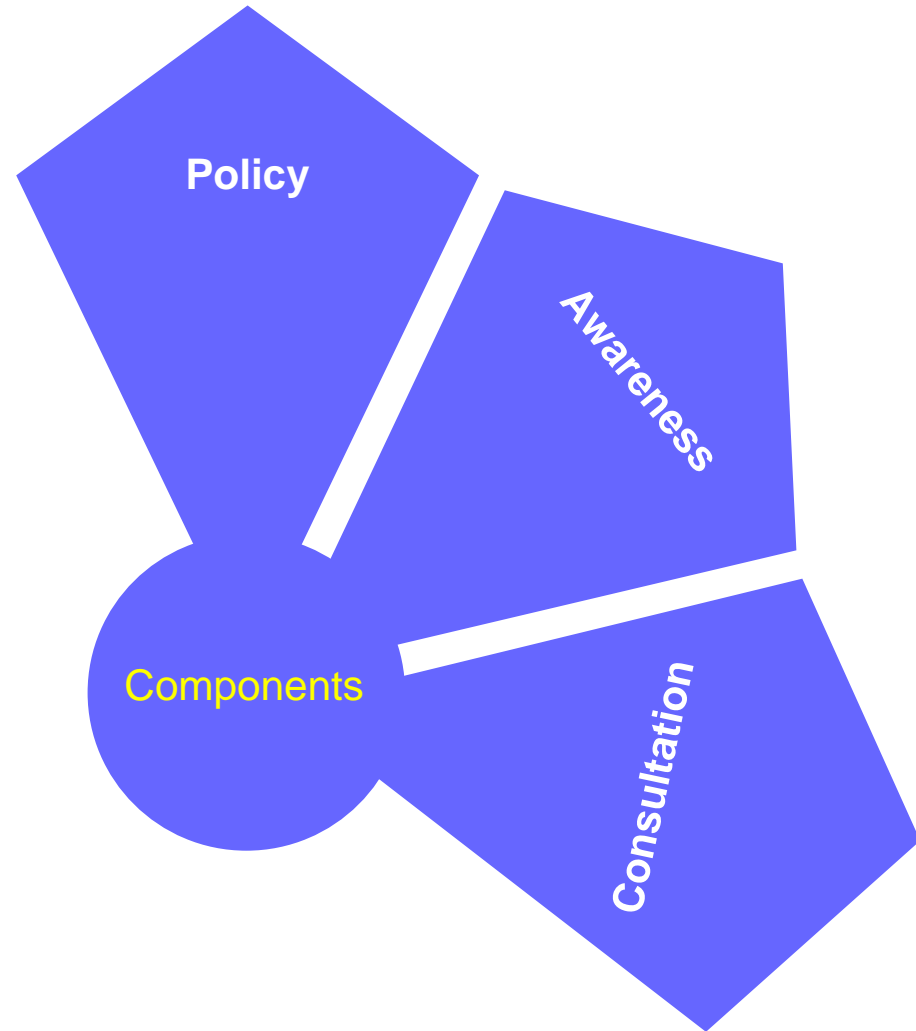
The IWRM Planning Roadmap

- Enable effective participation of all stakeholders
- Engage decision makers



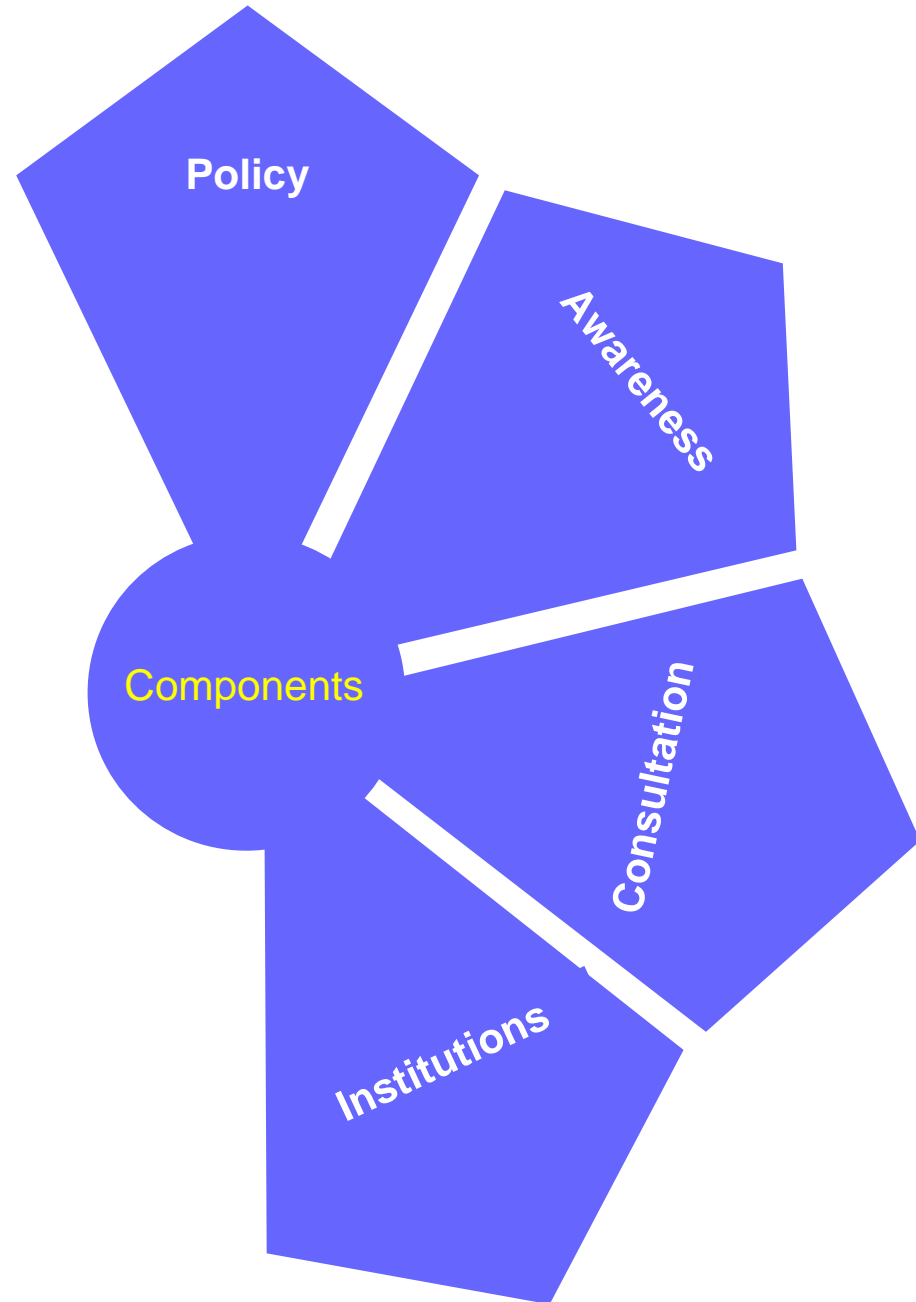
The IWRM Planning Roadmap

- Identify problems
- Strengths & weaknesses
- Players
- Priority Issues



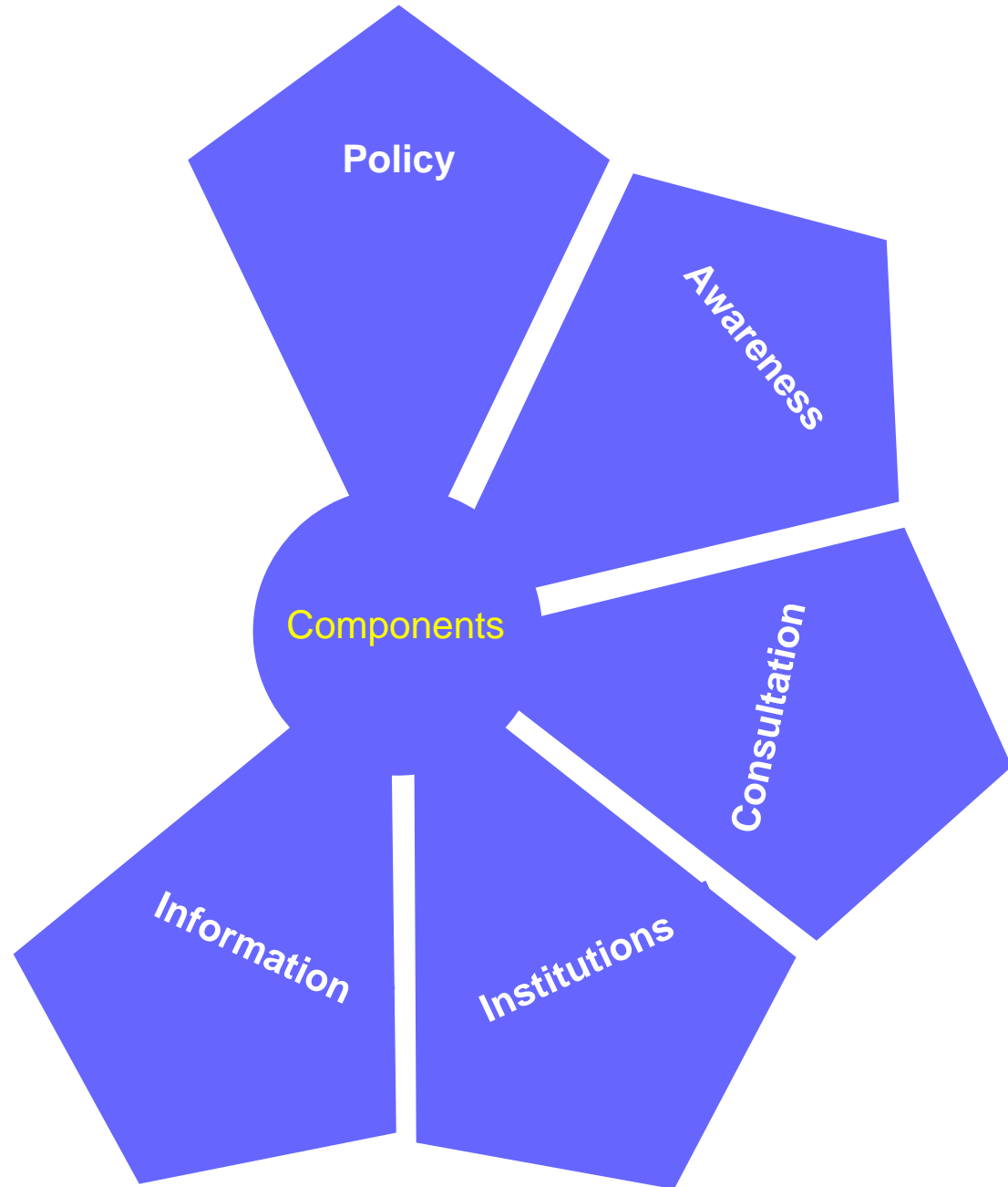
The IWRM Planning Roadmap

- A functional enabling environment
- Capacity
- Resources
- Relationships
- Mandates



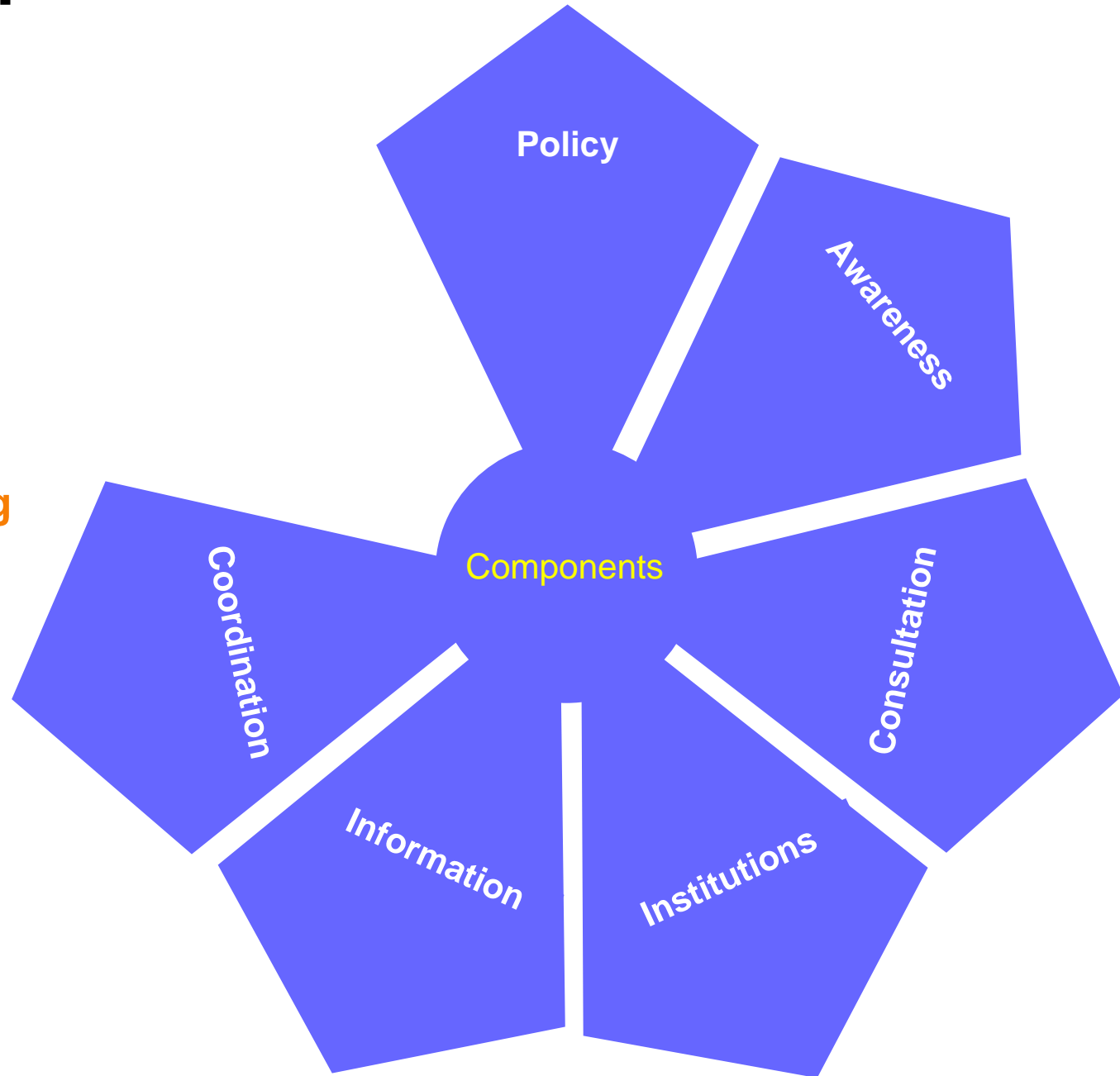
The IWRM Planning Roadmap

- Ensure the best understanding with the information available
- Effective communication of knowledge



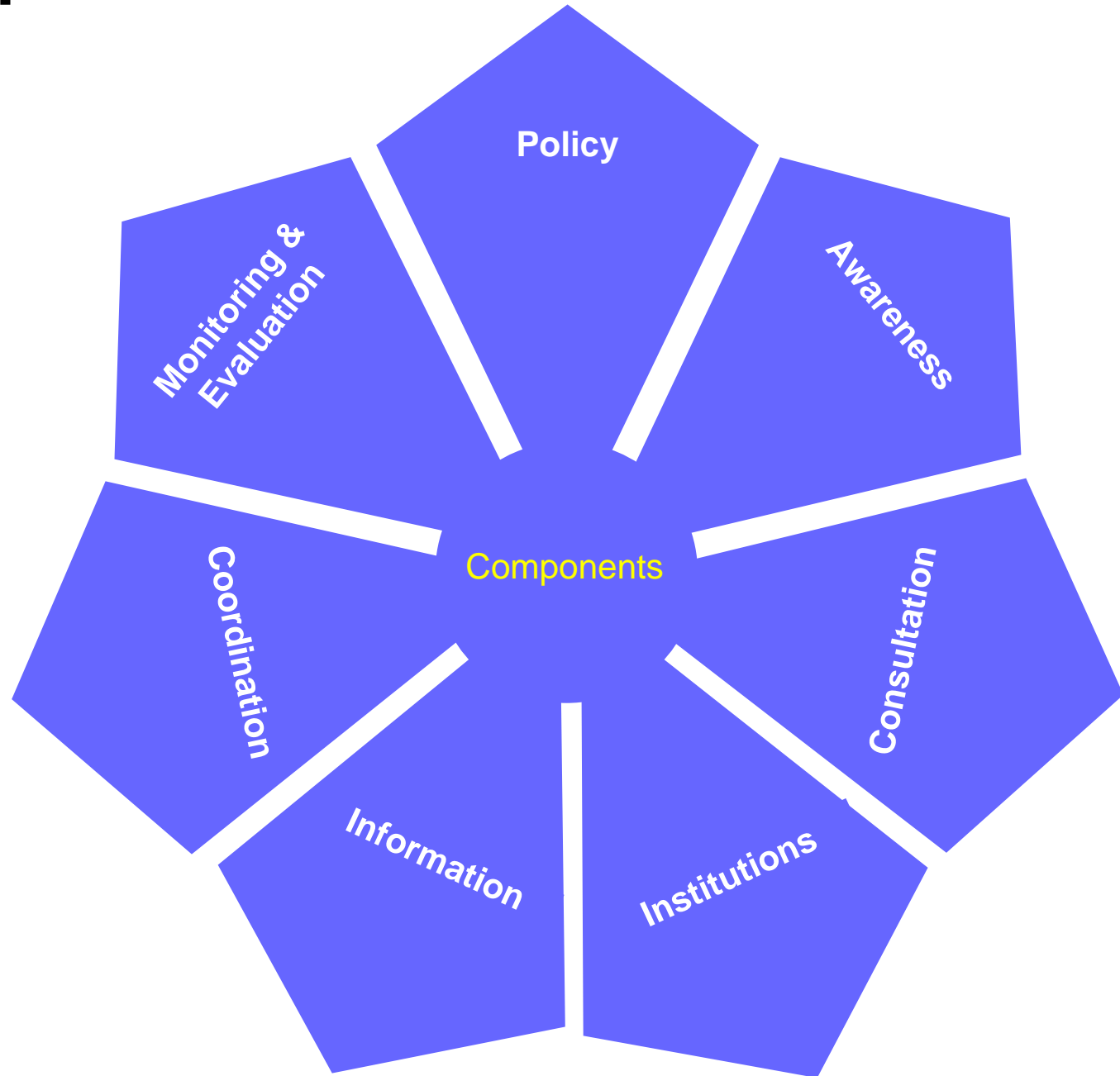
The IWRM Planning Roadmap

- Effective coordinating mechanism
- New or existing
- Appropriate



The IWRM Planning Roadmap

- Assess progress
- Respond to change
- Adaptive management



The IWRM Planning Roadmap



