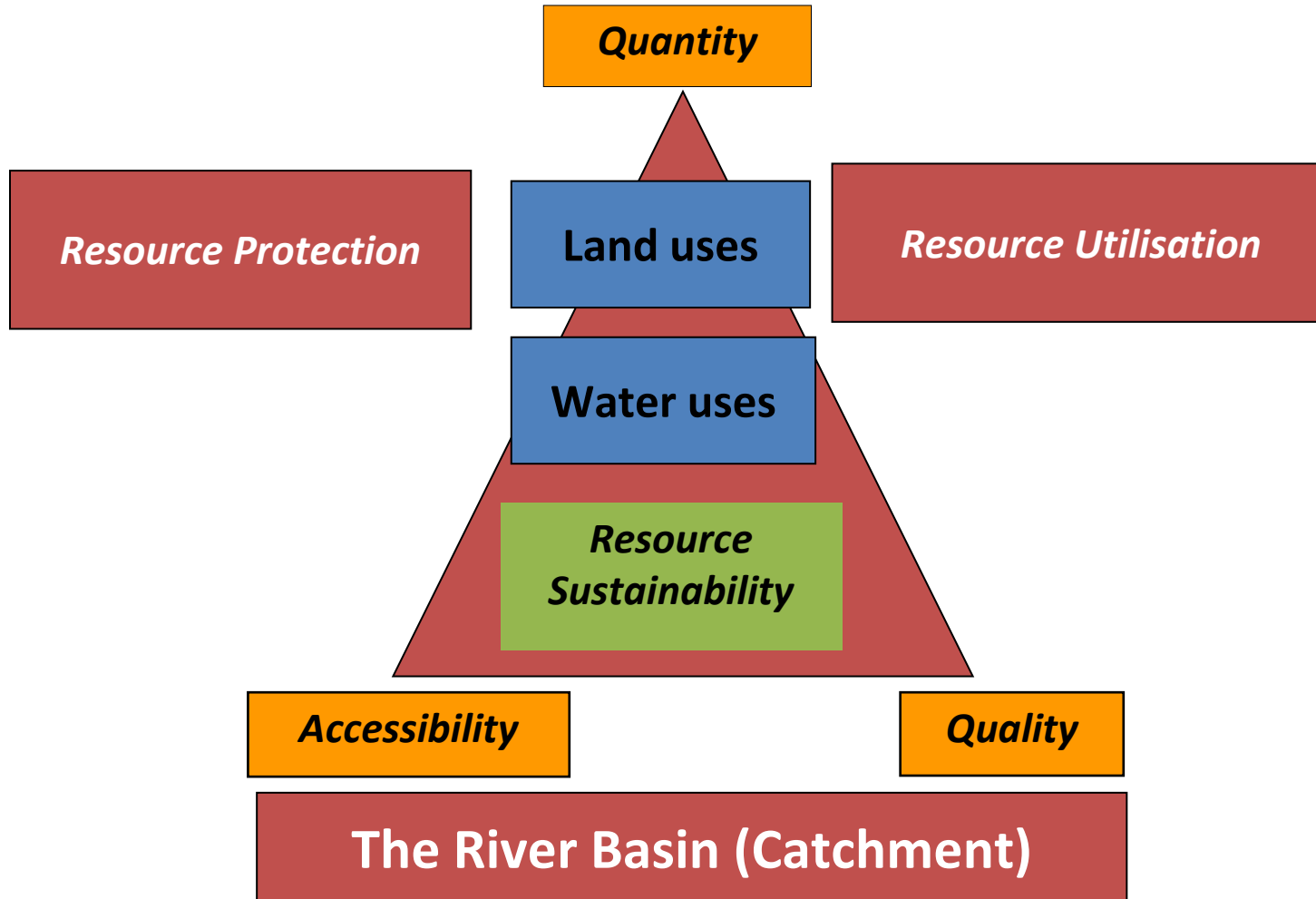


Proposed Framework for the Review of the State of Water

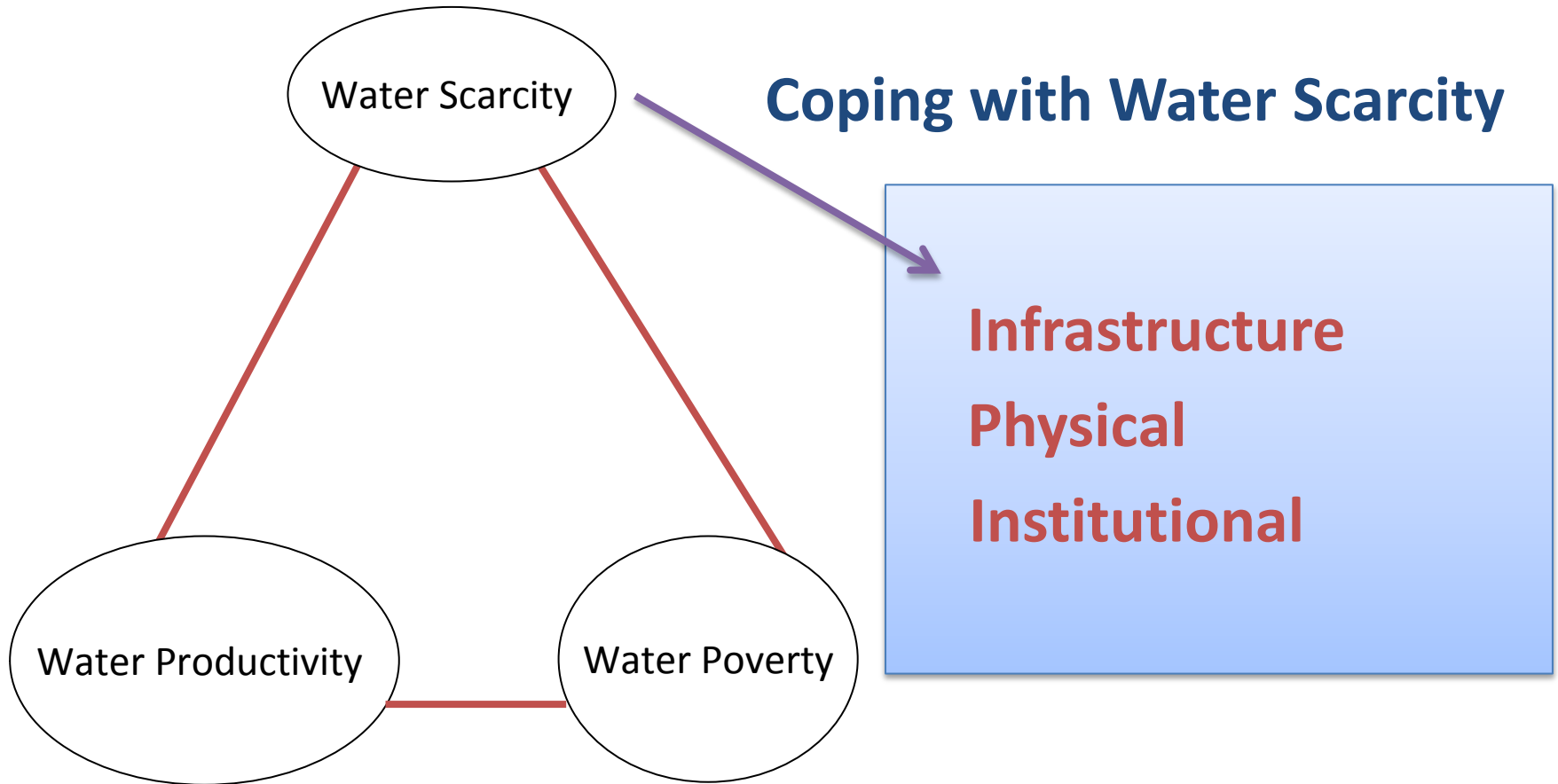
Dr Rivka Kfir



Water Management



Key Issues - Water Management



Resource Utilisation

- Domestic – rural and urban water supply and sanitation
- Agriculture (including forestry)
- Industrial
- Mining
- Energy
- Tourism and recreation
- Environment (Ecosystems)

Challenges

- Increased demands
 - Population growth
 - Millennium Development Goals (MDGs)
- Impact of climate change (resources/demand)
- Energy (use and costs)
- Bio-fuels
- Urbanisation
- Aging infrastructure (asset management)
- Water quality existing and emerging pollutants
- Globalisation
- Capacity building (aging workforce, new skills)
- Innovation and emerging technologies

Proposed Framework

- Country overview (demographic, economics, etc.,)
- Water resource (source, availability, storage, transfer, climate, quality)
- Land and water uses
- Resource utilisation (demand and availability)
- Resource protection (pollution, water quality)
- Water resource management (quantity, quality and accessibility, legislation, policies, strategies, institutional arrangement, finance)
- Enablers - data, information systems, research and innovation (availability and support structures)
- Capacity (appropriate manpower capacity and competencies)
- Climate change
- Country specific challenges and opportunities

Proposed Framework

- Impact of water management at a country level
 - Water and the economy
 - Water and society
 - Water and health issues
 - Water and environmental sustainability
- Summary and way forward

Discussion