

SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY



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FIG report 77

GOOD PRACTICE FOR RESILIENCE PLANNING TO ADDRESS WATER GOVERNANCE CHALLENGES IN AFRICA

General Assembly, 25 June 2021, 16:00 CEST

ORGANISED BY



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Importance of water governance

- Drinking water
- Resource for agriculture / industry
- Nature conservation / biodiversity
- Transportation
- Safety
-

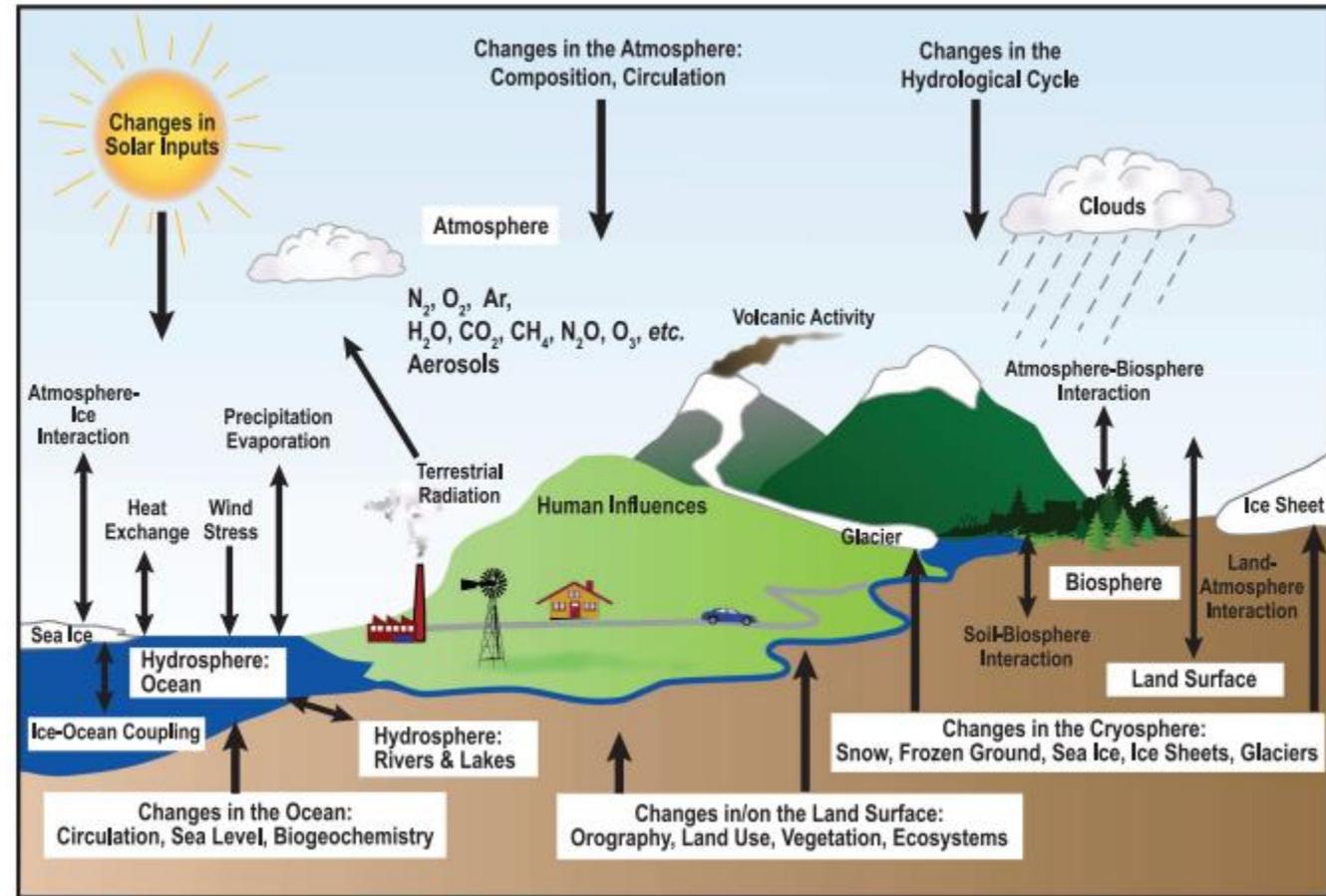




Challenges

Climate crisis is a water crisis:

- Drought, or lack of water
- Floods
- Melting glaciers
- Rising sea levels
- Changeable precipitation patterns



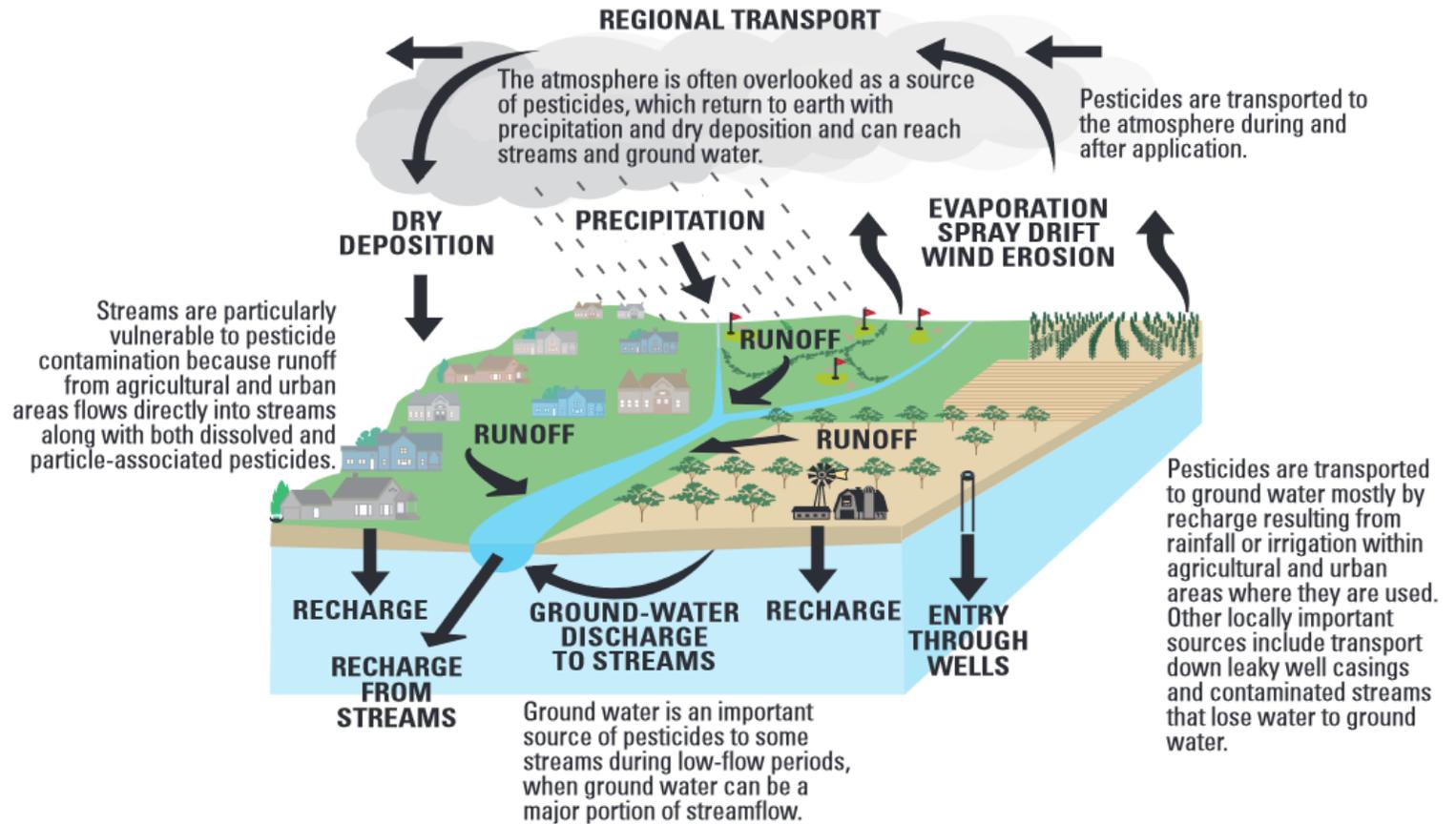
Source: weADAPT



Challenges

Pollution:

- Plastic soup
- Chemical waste water
- Pesticides, herbicides, and fertilizers
-



Source: USGS



Need for resilience




MITIGATION

Efforts to reduce or prevent emission of heat-trapping gases.

Example:
Transition toward renewable energy, reduce deforestation etc.



ADAPTATION

Action that helps cope with the effects of climate change.

Example:
New barriers to protect against rising sea-levels.

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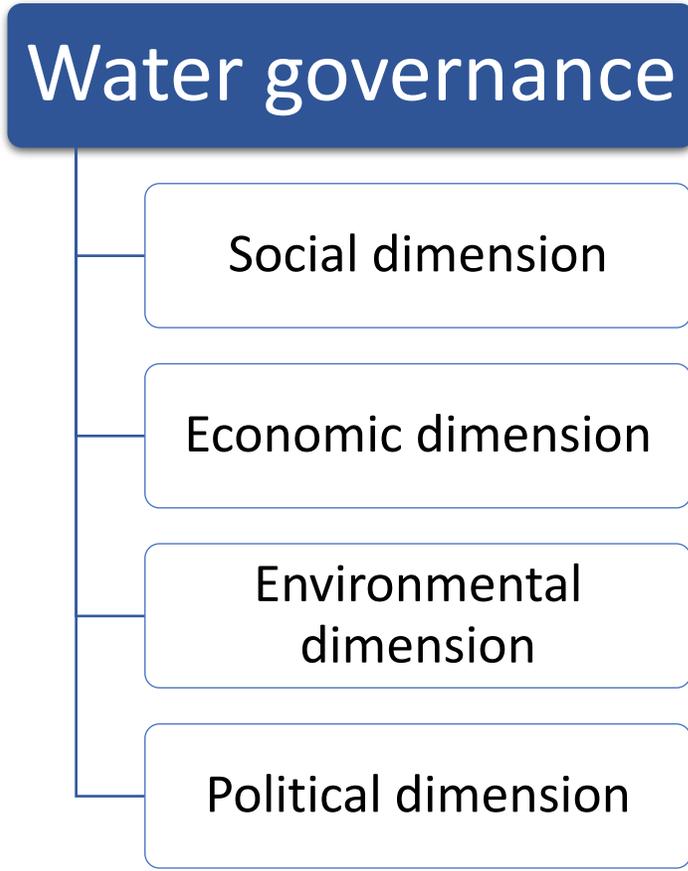




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FIG PUBLICATION NO 77

Good Practice for
Resilience Planning to Address
Water Governance Challenges in Africa



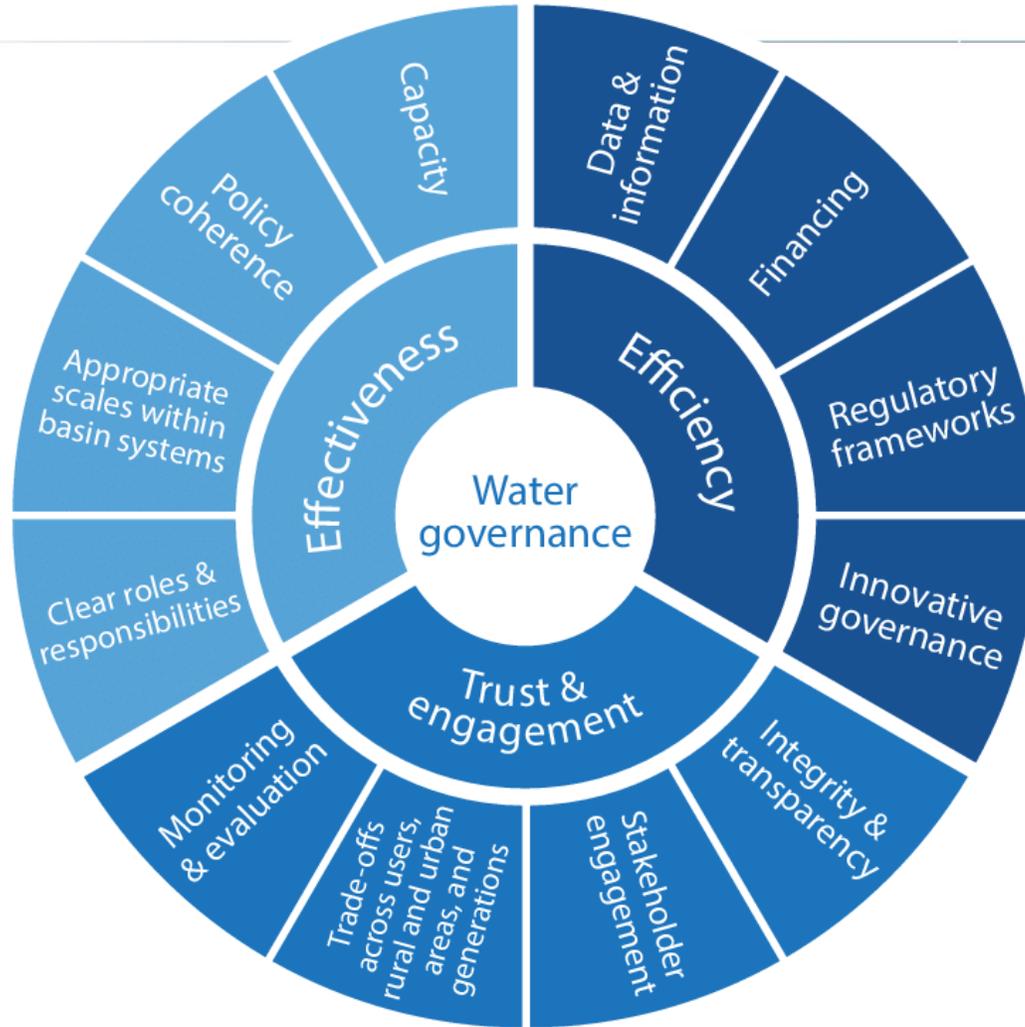
FIG Commission 8 – Spatial Planning and Development
Working Group 8.5 on African Water Governance

FIG
INTERNATIONAL FEDERATION
OF SURVEYORS (FIG)

Working group 8.5, led by Richard Pagett delivered FIG report

Water governance requires action:
at land-water nexus
beyond administrative boundaries

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Source: OECD