

Global Workshop
on Droughts in Transboundary Basins

26-27 February 2024, Geneva



An EPIC Response:

Innovative Governance for Flood and Drought Risk Management

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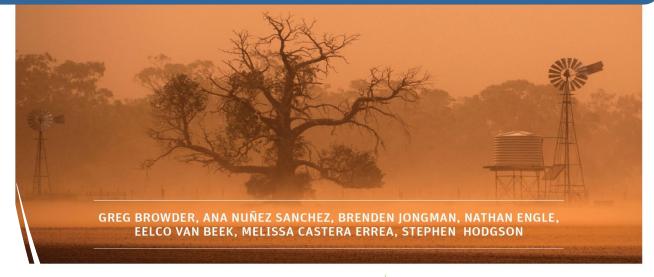




















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Challenge Floods and Droughts

- Wreaking social and economic havoc across the globe
- Adverse effects on 1.65 billion people (floods) and 1.43 billion people (droughts)
- Damages of more \$764 billion
- Climate change is changing the game: severity, frequency, less predictability
- Floods/Droughts typically managed by agencies that rarely communicate/collaborate
- Innovative governance structure needed! → EPIC Response



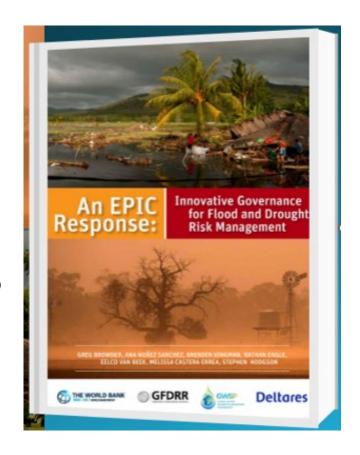
Objective: bring awareness of this enormous challenge and the potential solutions to a broad audience, as well as offering a practical and detailed guide to help governments improve their flood and drought management systems.



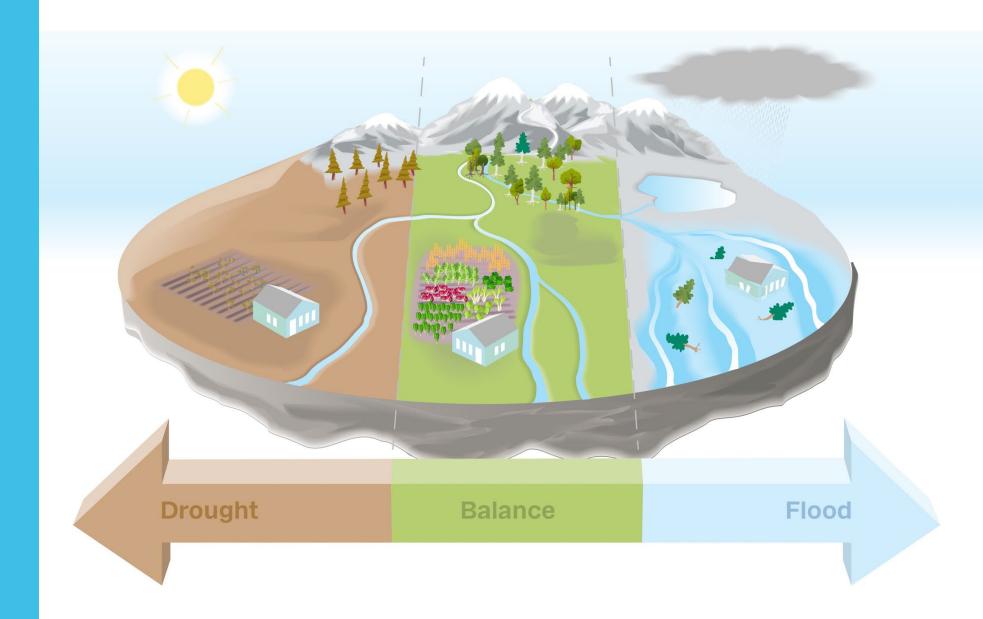
How: The EPIC Response Framework combines existing flood and drought approaches into a unified framework that allows hydro-climatic risk to be synergistically managed and promotes collaboration between agencies



Structure: 3 guiding principles, 5 key elements, 11 program areas



Principle 1
Hydro-Climatic
Spectrum



Principle 2 Agency Collaboration "Joined Up Government"

National Agency Roles for Hydro-climatic Risk Management



farmer incomes and resilience. Key role in drought response. Collaborates with

natural resources and WRM on watershed

management

management

Promotes healthy watersheds by

sustainably managing forests.

wetlands, and coastal barriers. Collaborates with agriculture and WRM on watershed management.



Local government



Public participation

Principle 3
Agencies Must
Mobilize
Whole of Society



Social inclusion



Education and risk communication



Scientific collaboration



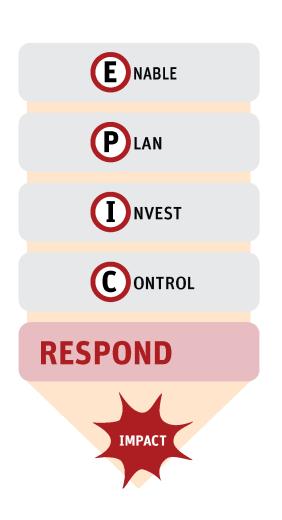
Open information

The EPIC Response Framework

PROGRAM AREAS

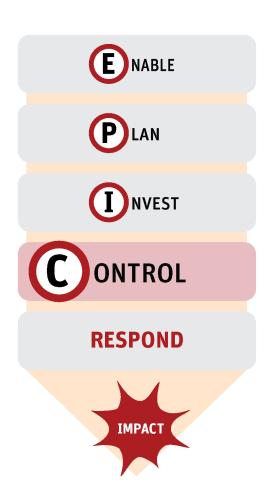


Programs for Disaster Response and Recovery Immediate Imperative





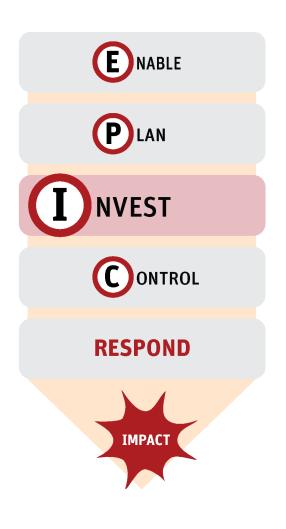
Programs for Controlling Land and Water Use: Reduce Exposure and Vulnerability







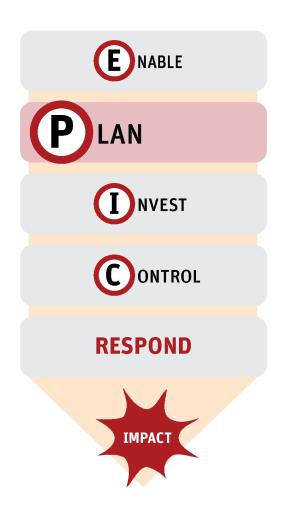
Programs for Investing in Green and Grey Infrastructure: Reduce Hazards

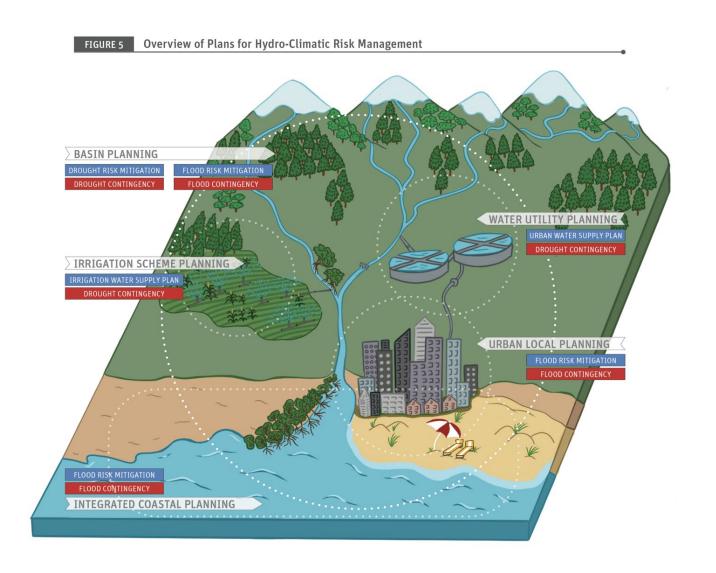




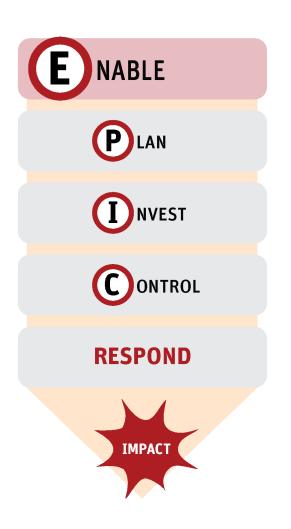


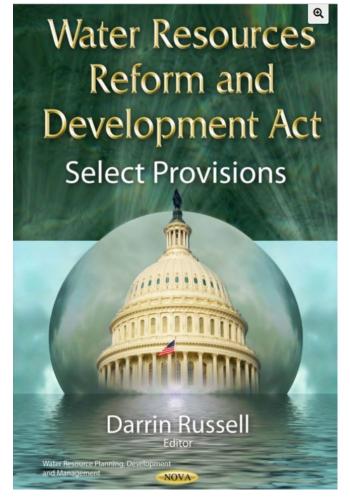
Programs for Planning at Multiple Nested Levels: Smart Investments and Land& Water Control





Enabling Policies, Laws and Information: Enhances Every Level







PROGRAM AREAS



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Examples of how the report can be used:

- Informing a country's national climate adaptation plan.
- Structuring discussions for policy loans offered by multilateral development banks that focus on climate resilience and disaster risk management.
- Providing a framework for national strategic plans, particularly for water resources, disaster risk management, and drought management.
- Assisting in project appraisal by identifying connections outside a particular sector that can affect the performance of that project.

Thank you



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World Bank Water



EPIC Publication

