

Framework for Water Security and Climate Resilient Development

Investing in water security
for growth and climate resilient development

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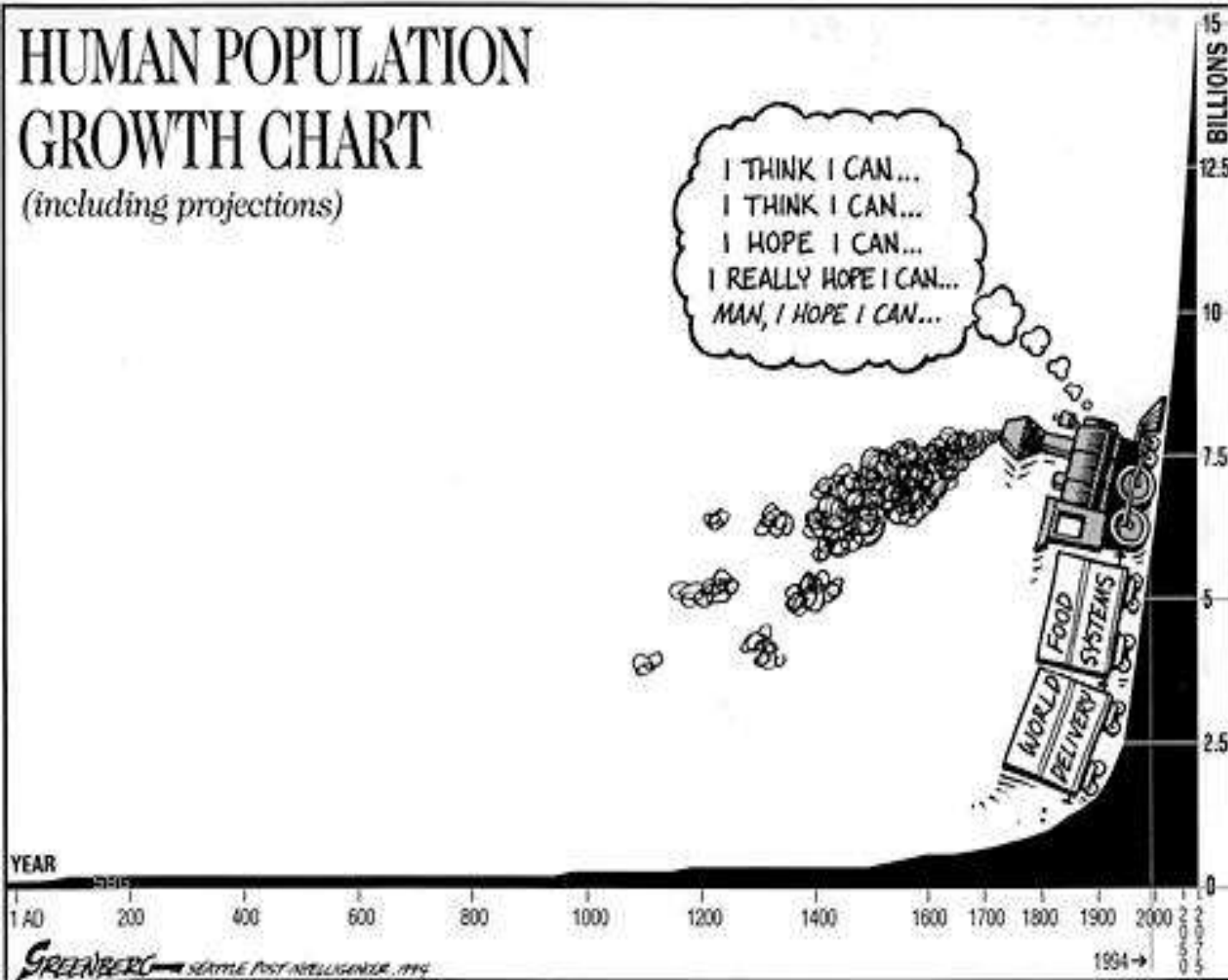
Case for investing in water security in Africa



**The growing
economies are
increasing
demand on water
resources**

HUMAN POPULATION GROWTH CHART

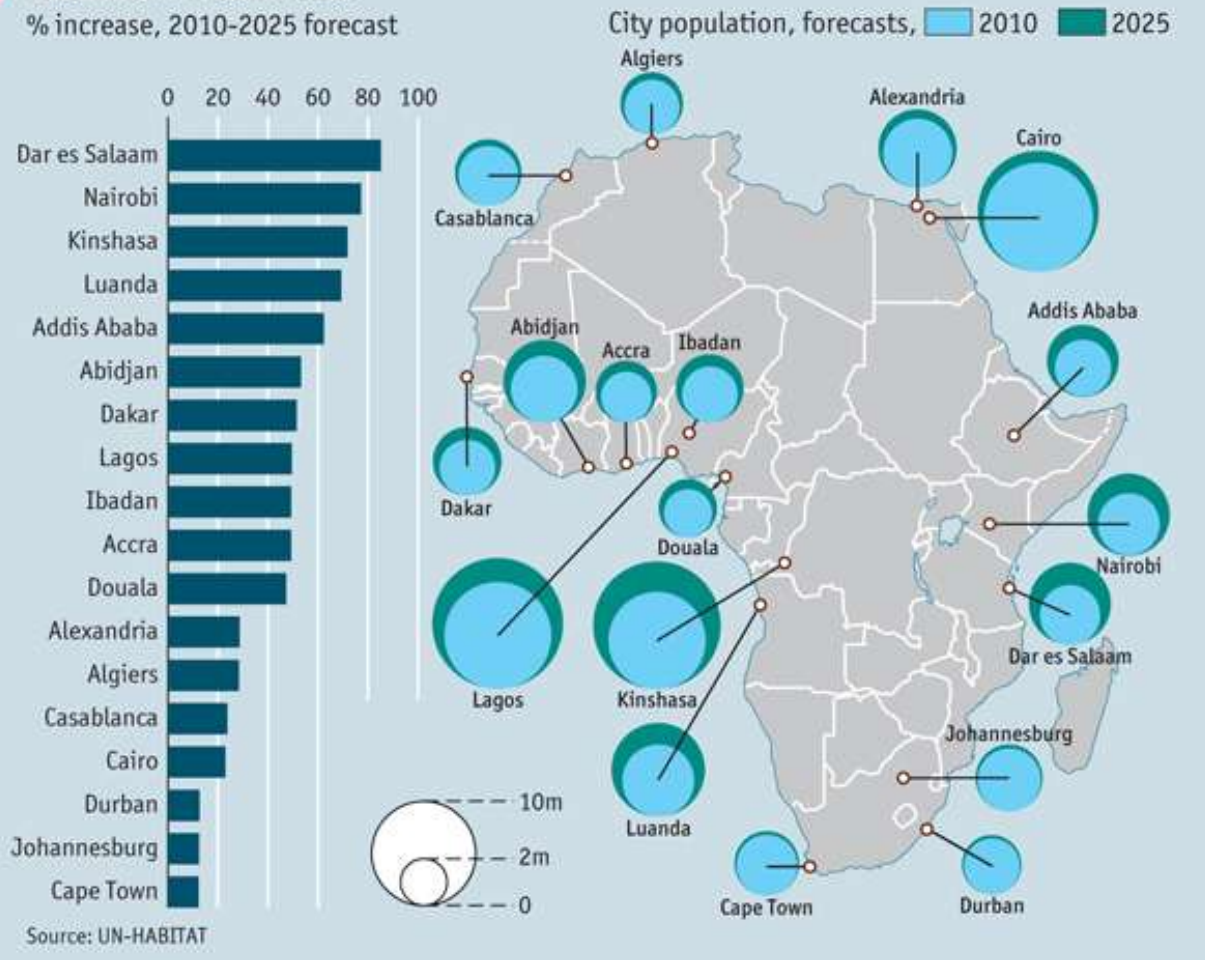
(including projections)



**Population
growth in
Africa**

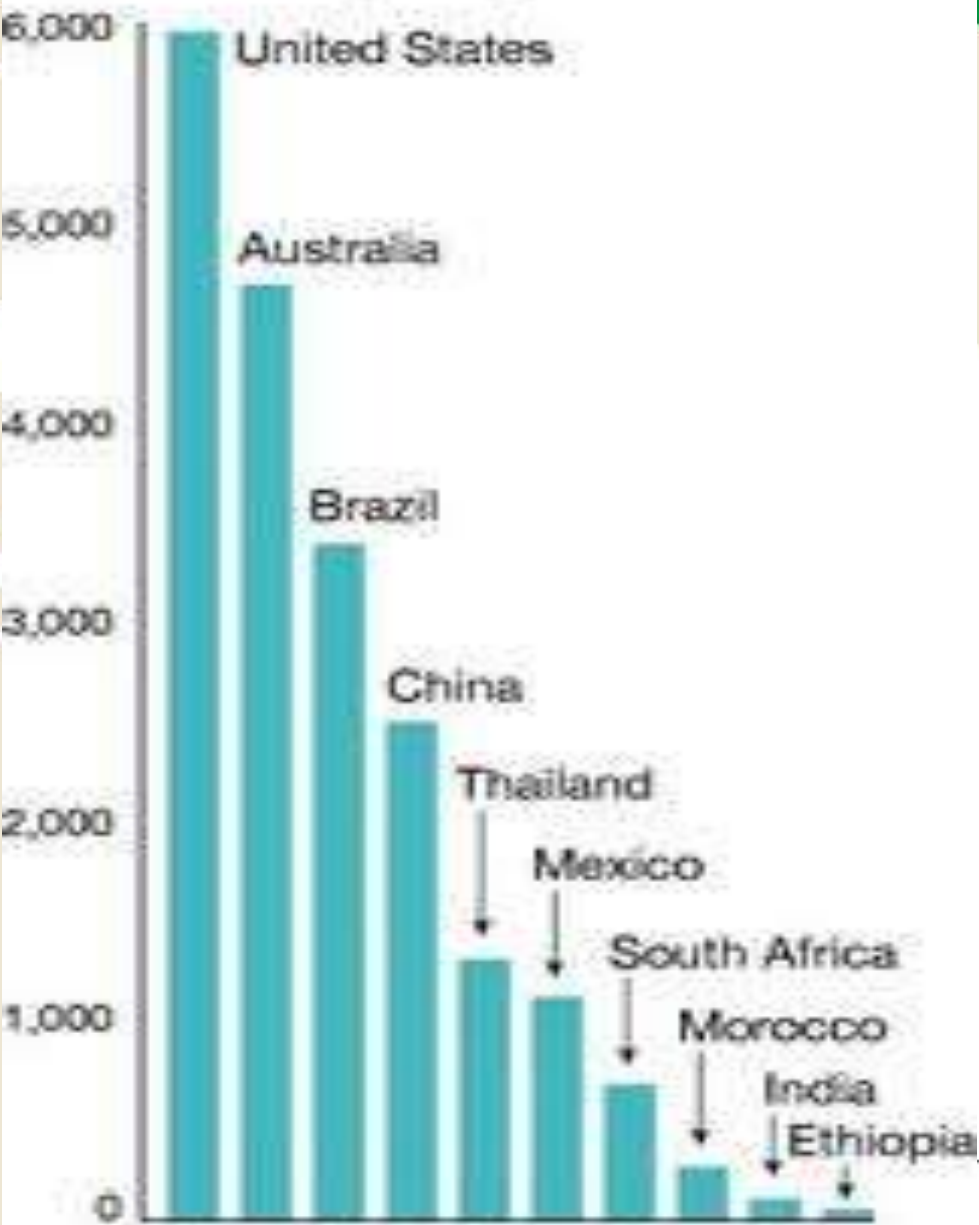
Growth of African cities

% increase, 2010-2025 forecast



Urbanisation in Africa

Cubic metres per capita



Source: World Bank, 2005

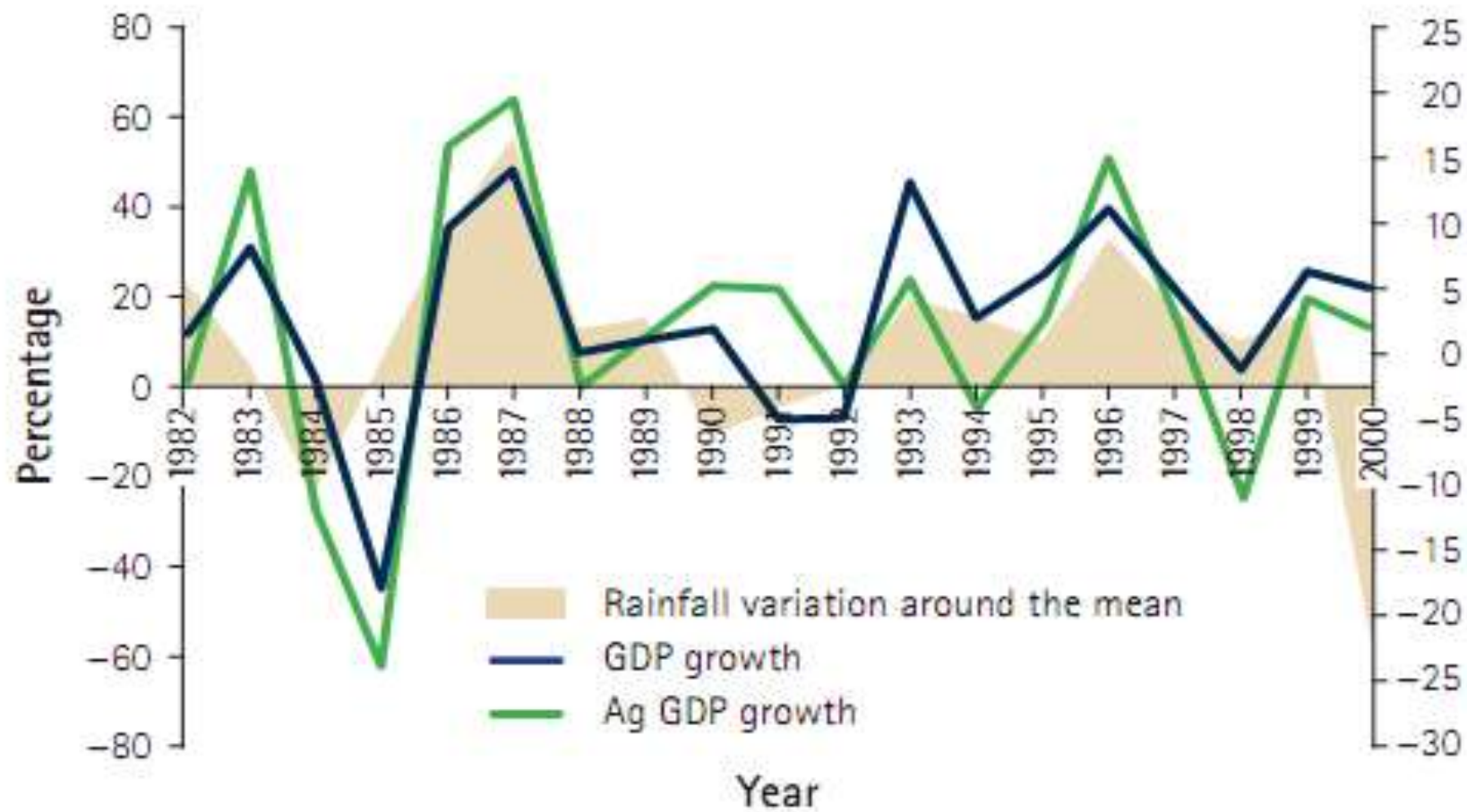
**Water
storage
capacity per
capita is low
in Africa**

Climate change - where to ?

AFRICA BETWEEN
DROUGHTS
AND FLOODS



**Climate
variability –
climate change
will intensify
these extreme
events**

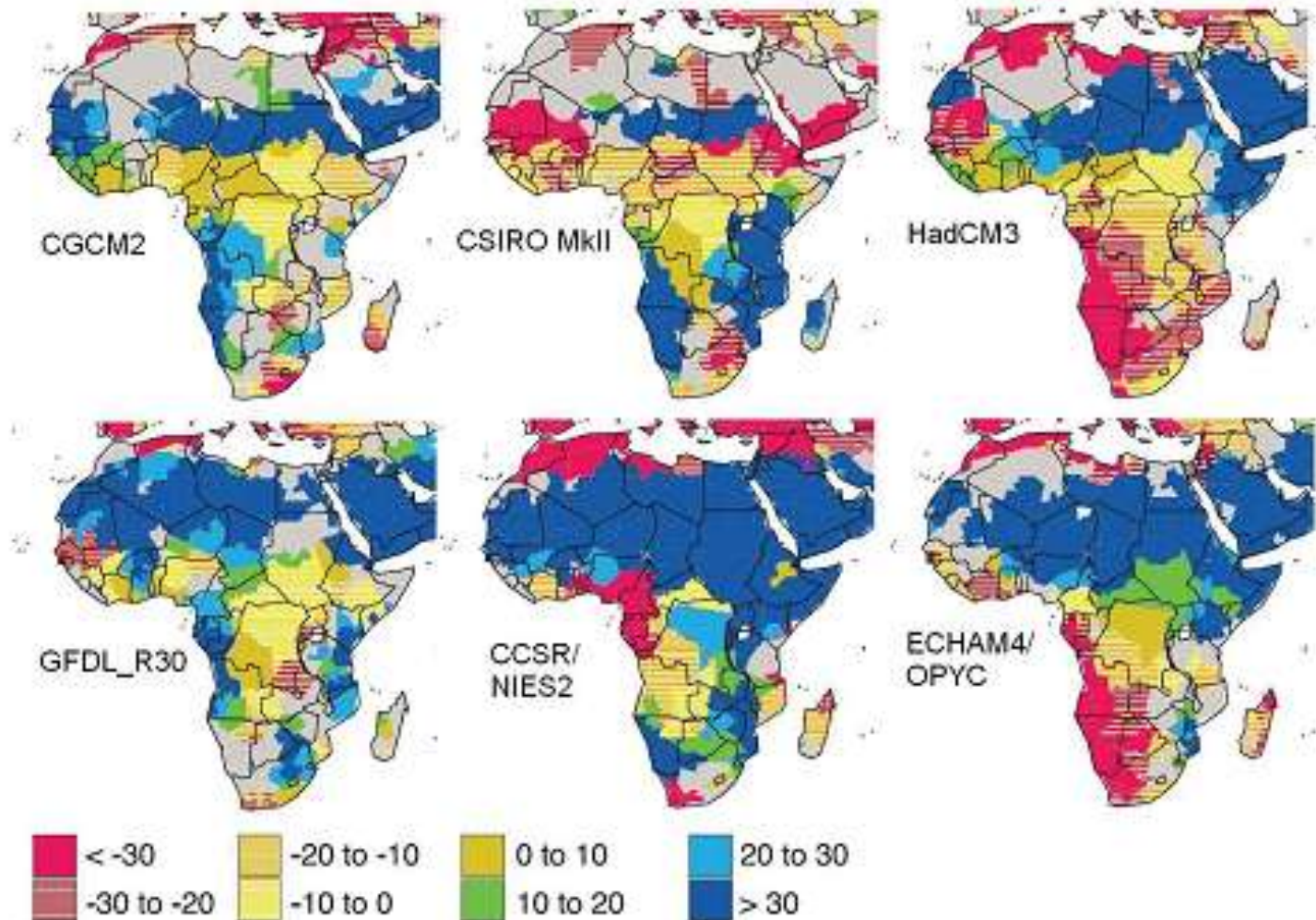


“Africa is one of the most vulnerable continents to climate change and climate variability, a situation aggravated by the interaction of ‘multiple stresses’, occurring at various levels, and low adaptive capacity

Do we know how climate change will impact us?



Uncertainty in climate change projections



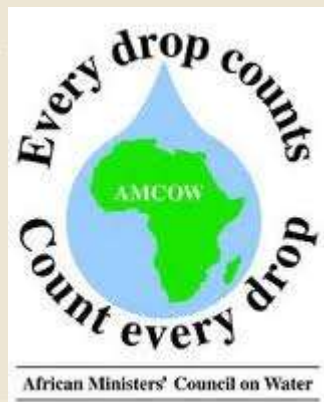
How do we respond to ensure water security with this uncertainty in future projections?



RESPONSE IN AFRICA

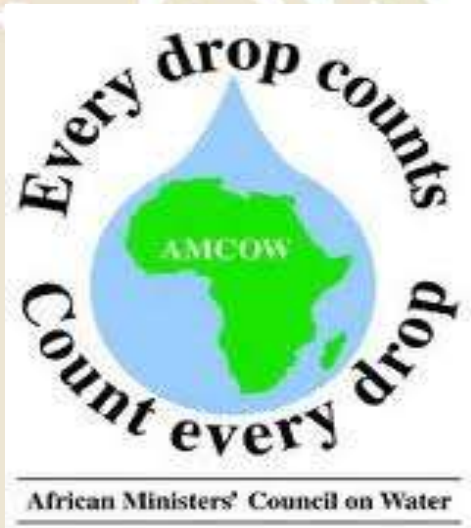
**In November 2010 at the 3rd Africa Water Week in
Addis Ababa:**

**AMCOW EXCO issued a decision for GWP and partners to
operationalise the Water, Climate and Development Programme
(WACDEP)**






- **WACDEP implements commitments in the 2008 Sharm el Sheik Declaration by the AU Heads of State**
- **And is central to the delivery of climate related objectives in the AMCOW Triennial WorkPlan**
- **Implements the Climate Change Adaptation Strategy for the Water Sector in the SADC region**




Framework for Water Security and Climate Resilient Development





Water Security and Climate Resilient Development

TECHNICAL BACKGROUND DOCUMENT




Investing in water security for growth and development



Water Security and Climate Resilient Development

STRATEGIC FRAMEWORK



Investing in water security for growth and development



Water Security for Development in an Uncertain Climate

Policy Brief | No. 1



Building on the Foundations of Integrated Water Resources Management

Policy Brief | No. 2





Ensuring Adaptation At All Levels

Policy Brief | No. 3



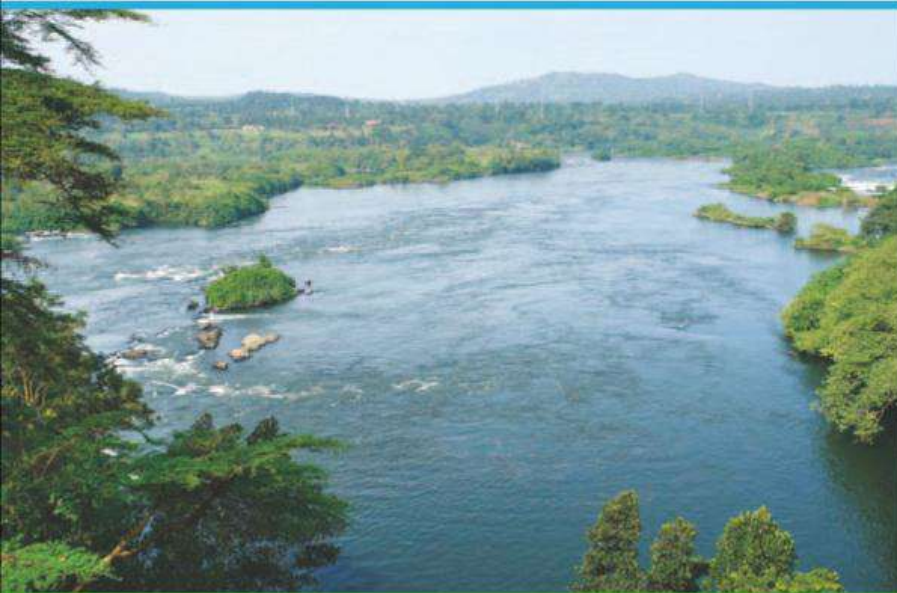
www.gwpforum.org





Water Security and Climate Resilient Development

STRATEGIC FRAMEWORK



Investing in water security for growth and development

The Framework is key for water security and Climate Resilient development

Helps to identify and put in place investments that give benefits under a range climate change scenarios- No/low Regret investments

Framework provides:

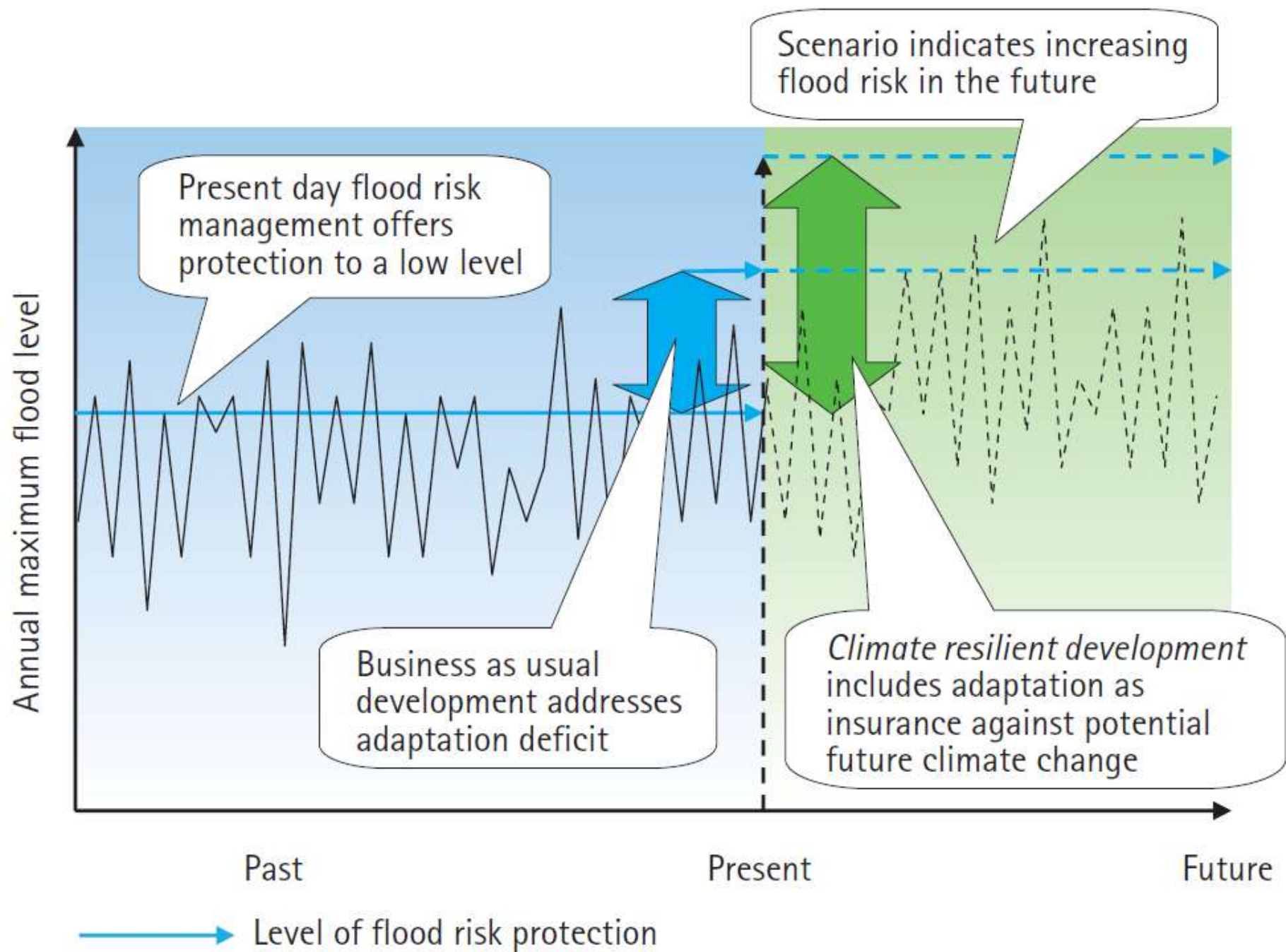
Guidance on the development of no/low regrets investments and financing strategies for water security and climate resilient development and integration into development planning processes

Making best use of existing and emerging climate funds for climate resilient development priorities

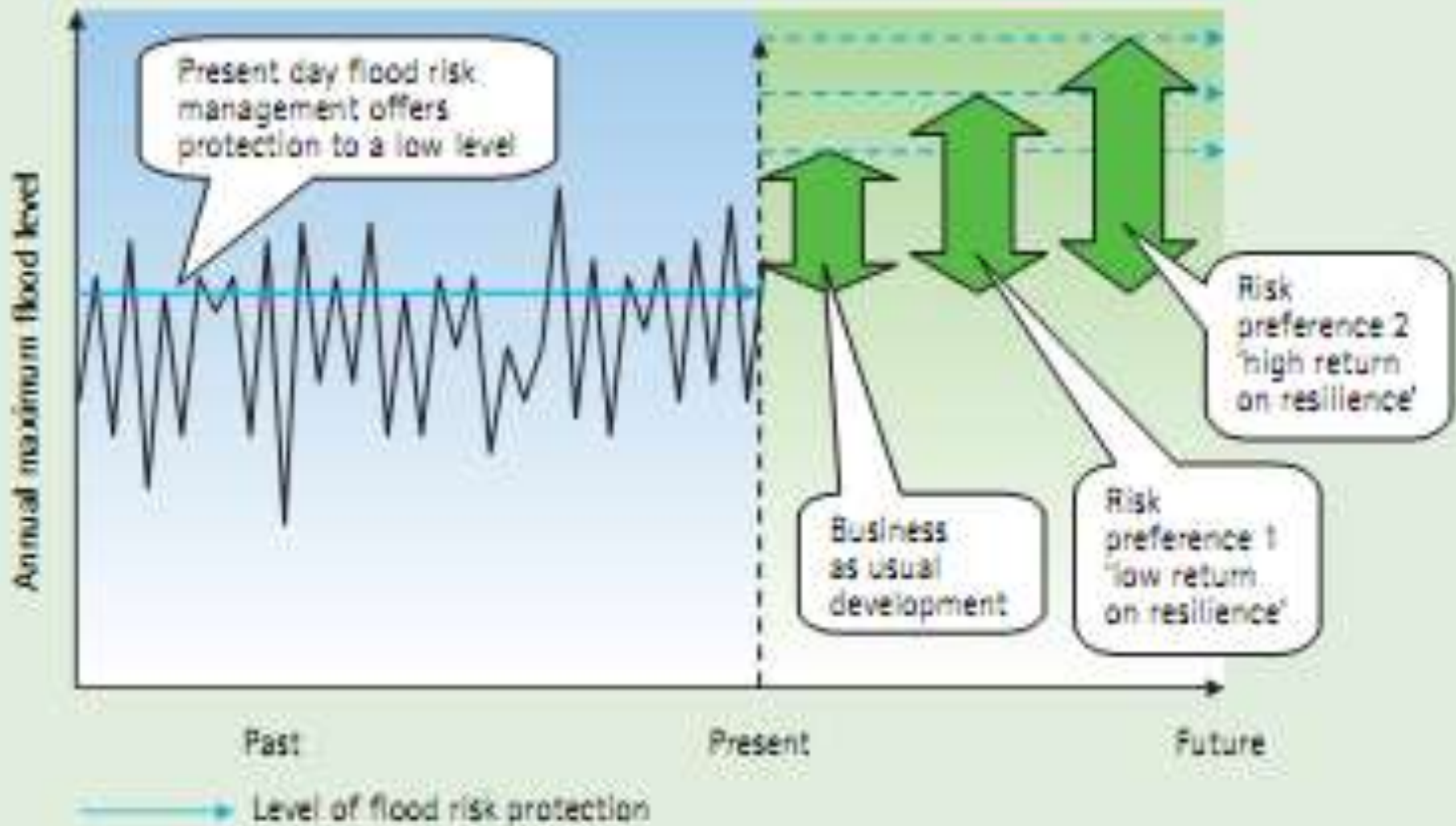
Short-term integration and longer term mainstreaming of climate resilience into development planning

No / low regrets investments give benefits under a range of climate scenarios – these can be in institutions, infrastructure (both natural and hard) and information





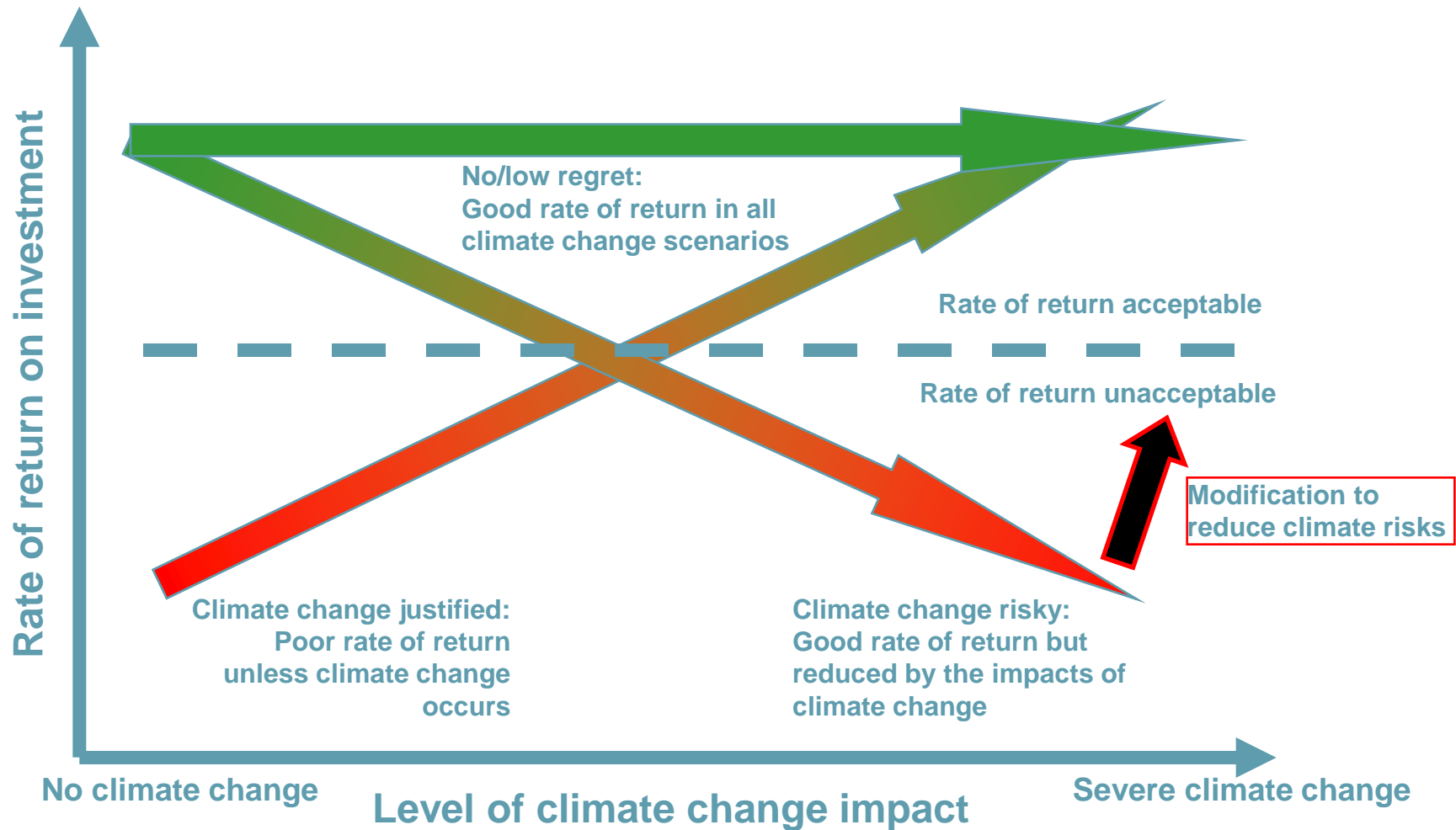
Making decisions on investments



3 types of investments

- 1. climate justified**
- 2. climate risk**
- 3. No/low regrets**

3 types of investments



Framework for Water Security & Climate Resilient Development

Understand the problem

Make the case for climate resilience (4.1)

Gain stakeholder perspectives (4.2)

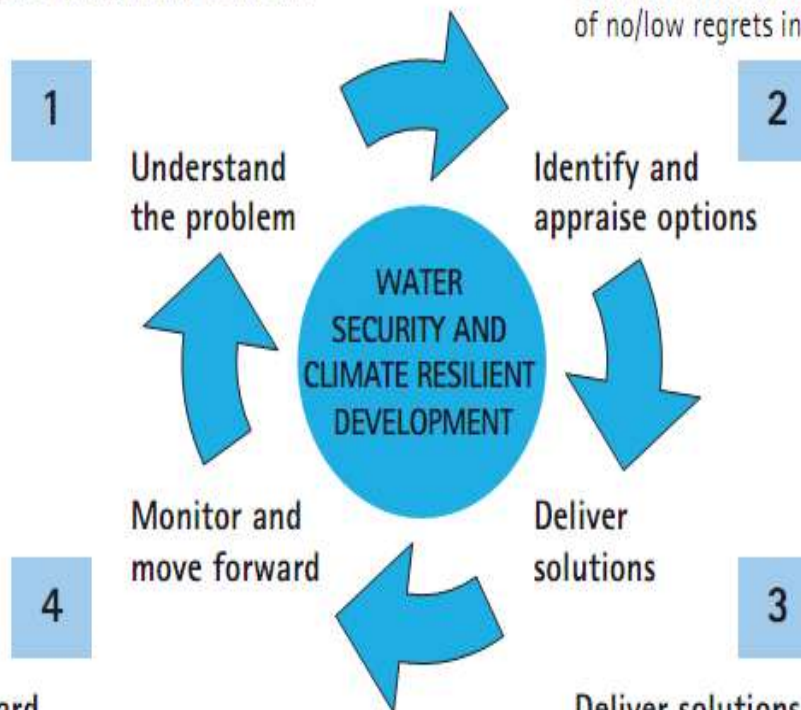
Climate vulnerability and impact assessments to inform decision makers (4.3)

Identify and appraise options

Identify opportunities for building resilience in ongoing development activities (5.1)

Identify new and innovative investment opportunities (5.2)

Sift ideas, assess robustness and make the economic case for a balanced portfolio of no/low regrets investments (5.3, 5.4, 5.5)



Monitor and move forward

Learn lessons from application of the Framework (7.1)

Set a monitoring and review process (7.2)

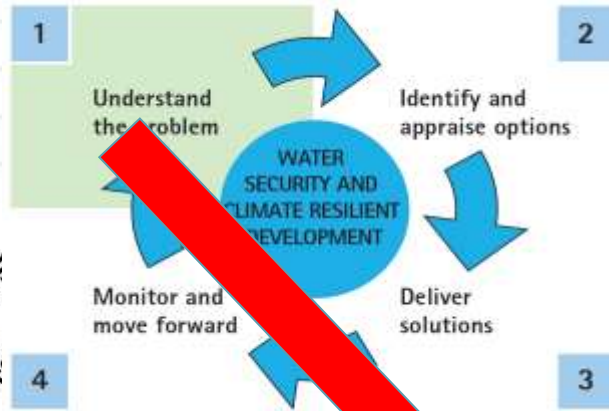
Deliver solutions

Integrate no/low regrets investment strategies in development planning (6.1)

Develop financing and investment strategies (6.2)

Mainstream climate resilience in development planning (6.3)

The Strategic Framework process – Phase 1

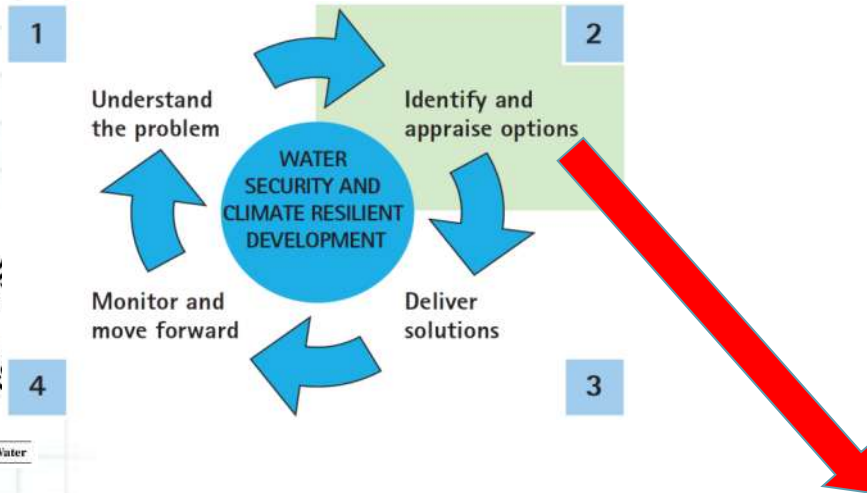


OUTPUT

- Key challenges identified and strong case for climate resilience developed
- Stakeholder partnerships built
- Review of available information, gaps identified, and studies commissioned



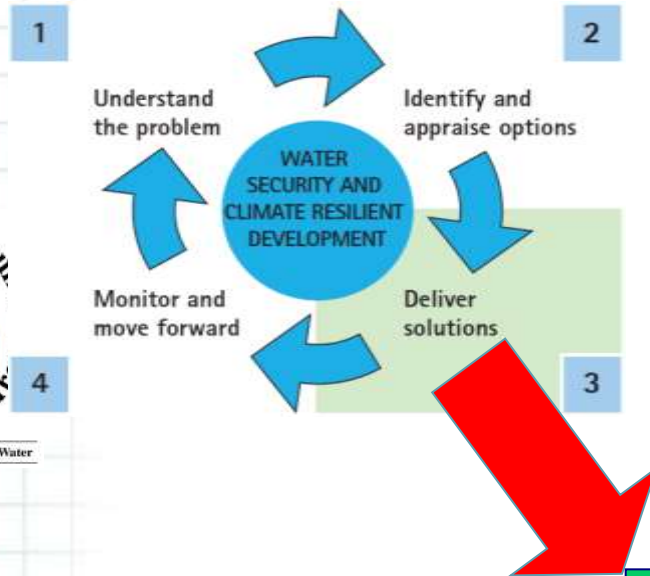
The Strategic Framework process – Phase 2



OUTPUT

- Balanced portfolio of no/low regret priority investment options
- measures for risk reduction to existing assets and planned projects / programmes.

The Strategic Framework process – Phase 3

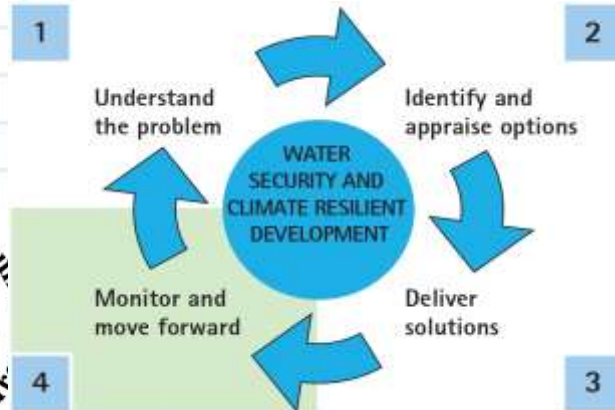


OUTPUT

- Investment strategies/programs integrated into development planning
- Investment strategies developed for priority options



The Strategic Framework process – Phase 4



Monitoring and moving forward

- Lessons learnt from the Framework process
- What can be up-scaled, mainstreamed and repeated?
- Monitoring indicators and processes for measuring progress towards implementation



**Using the Framework – as a
starting point to address
uncertainty**

Water, Climate and Development Programme for Africa

.... aims to integrate water security and climate resilience in development processes in Africa

23 Countries to benefit in pilot phase

- *8 pilot countries*
- *5 pilot basins/aquifer*



Moving Forward

Food for thought



- **Africa is planning to develop water infrastructure to ensure water security – how can we ensure that this will respond to climate change in the future and be robust?**
- **To ensure robustness we need flexibility and innovative partnerships – what are we doing to enable this?**

ASSESSING THE IMPACT OF CLIMATE CHANGE ...



THE SCIENTISTS



THE POLITICIANS

THANK YOU

Visit www.gwp.org/wacdep