



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

WQM POLICIES AND STRATEGIES FOR SOUTH AFRICA

WP 10978

Implications of the WQM Policy and IWQM Strategy for
Implementation

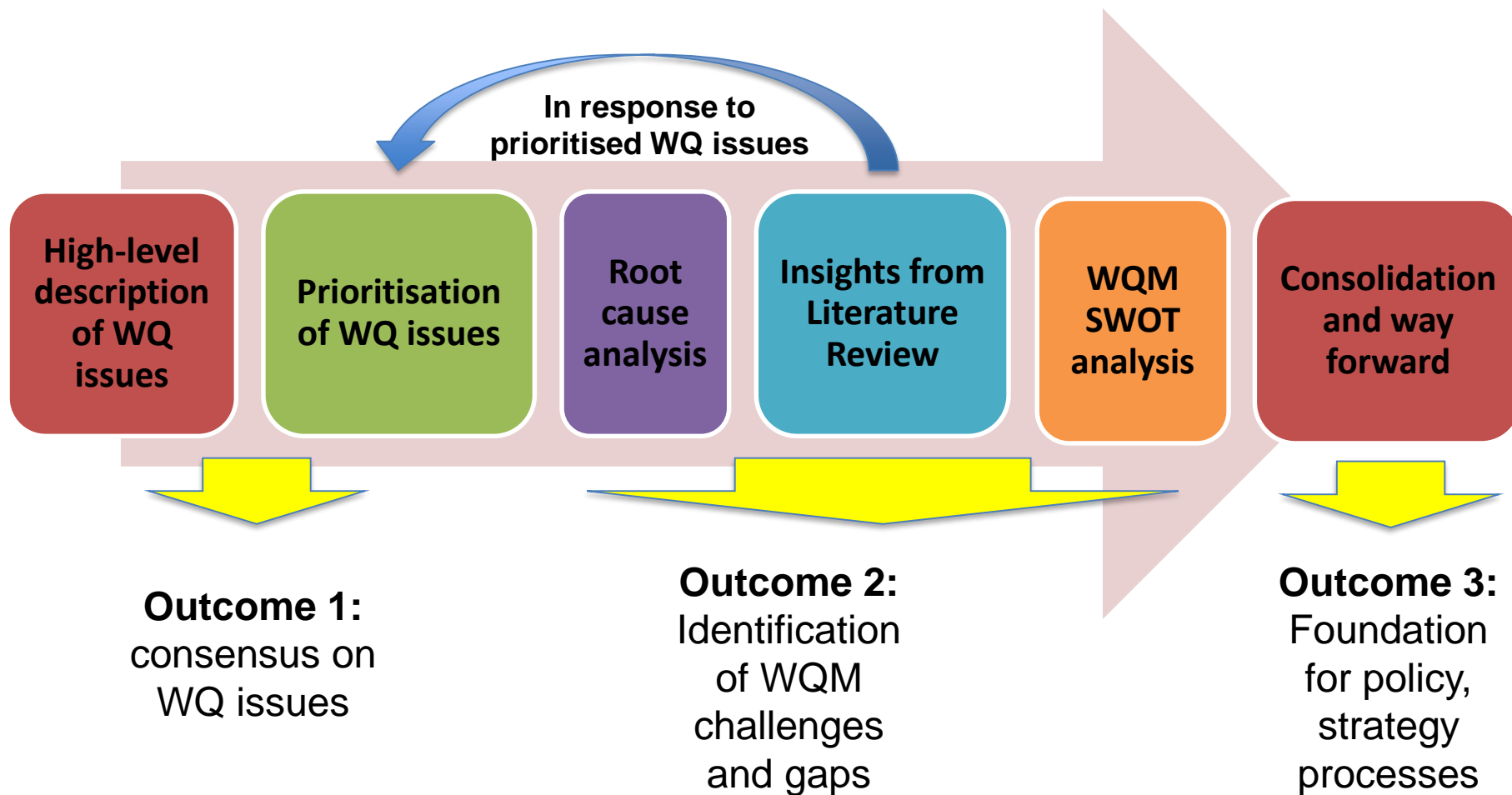
Provincial Workshop

October/November 2016

DISCUSSION POINTS

- 1 Introduction and Progress
- 2 Background to WQ and WQM in South Africa
- 3 WQM Policy
- 4 Developing the IWQM Strategy
- 5 IWQMS Workshops
- 6 Way Forward

STEPS TOWARD THE WQM POLICY & STRATEGY



CORE CONCEPT:

Water Quality affects the economy and societies well- being

Water quality is a developmental issue

Although the Department of Water and Sanitation is the **Sector Leader** in WQM, **everyone has a role to play** and a joint approach between **government departments**, the **private sector** (through initiatives like the SWPN) and **civil society** forms the basis of tackling the water quality challenges facing the country.

Water Quality is Everyone's



DEVELOPMENT OF THE WQM POLICY

The Policy is a **collation of existing policies** as they relate to WQM, with stakeholder inputs and a literature survey used to identify gaps.

It draws on the 1991 WQM policy, the 2006 RDMWQ Policy, the **NDP**, the **NWA**, the **NWRS**, the Sustainable Development Agenda (**SDGs**, Agenda 2063), current DWS Policies (such as the **Mine Water Policy**) and other Departmental Policies (DMR, DEA, DAFF, DoA, DRDLR, etc)

It **strengthens existing policy** but also **proposes a few new positions**. The largest being that WQM needs to be an inter-governmental responsibility, with DWS as the sector leader.

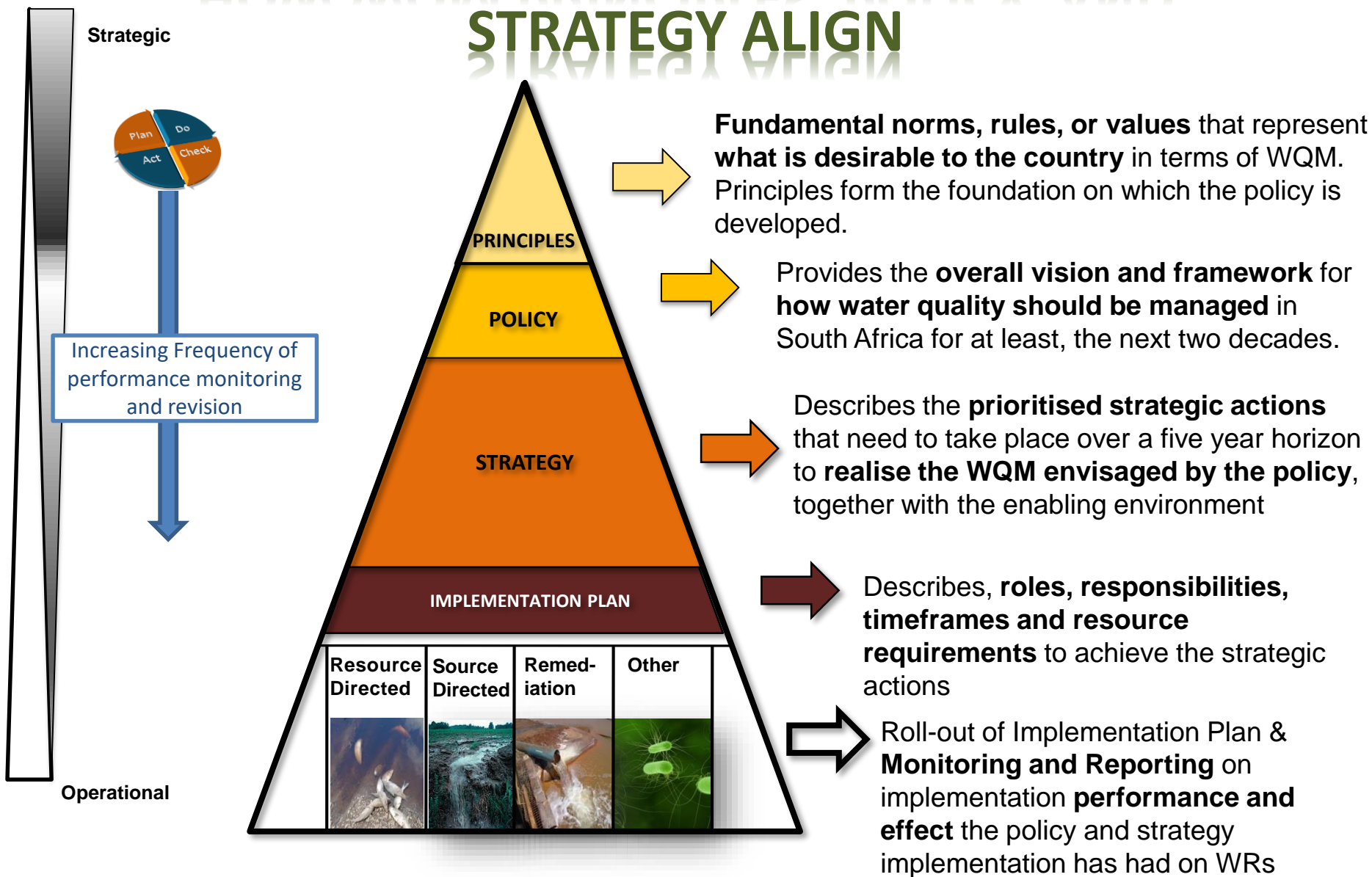
It is hoped that **further consultations will strengthen the policy** even more.



AIM OF THE WQM POLICY

- **Elevate water quality and water quality management** on the country's agenda.
- **Formalise and institutionalise a common approach** to water quality management in South Africa.
- **Support a consistent inter-departmental approach** to how water quality is managed in the country.
- **Support cooperative and integrated approaches** to water quality management across sectors.
- **Address operational aspects** such as taking an integrated approach, broadening finance mechanisms and improving knowledge and information in the execution of the water quality management function.
- **Provide a framework to realise improvements** in water quality in key systems.
- **Guide the development of an IWQM Strategy.**

HOW WQM PRINCIPLES, POLICY AND STRATEGY ALIGN



WQM POLICY PRINCIPLES

GOVERNANCE

- **Principle 1:** Government-wide water quality management
- **Principle 2:** Subsidiarity and accountability
- **Principle 3:** Transboundary water quality management
- **Principle 4:** Partnerships
- **Principle 5:** Administrative fairness and implementability
- **Principle 6:** Administrative Penalties

ECONOMIC AND FINANCE

- **Principle 7:** Water quality is a developmental issue
- **Principle 8:** Broadened funding mechanisms
- **Principle 9:** Polluter pays

OPERATIONAL

- **Principle 10:** An integrated and adaptive approach
- **Principle 11:** Hierarchies of water use and pollution management decision-making
- **Principle 12:** Green/ecological Infrastructure restoration and rehabilitation
- **Principle 13:** Risk-based approach

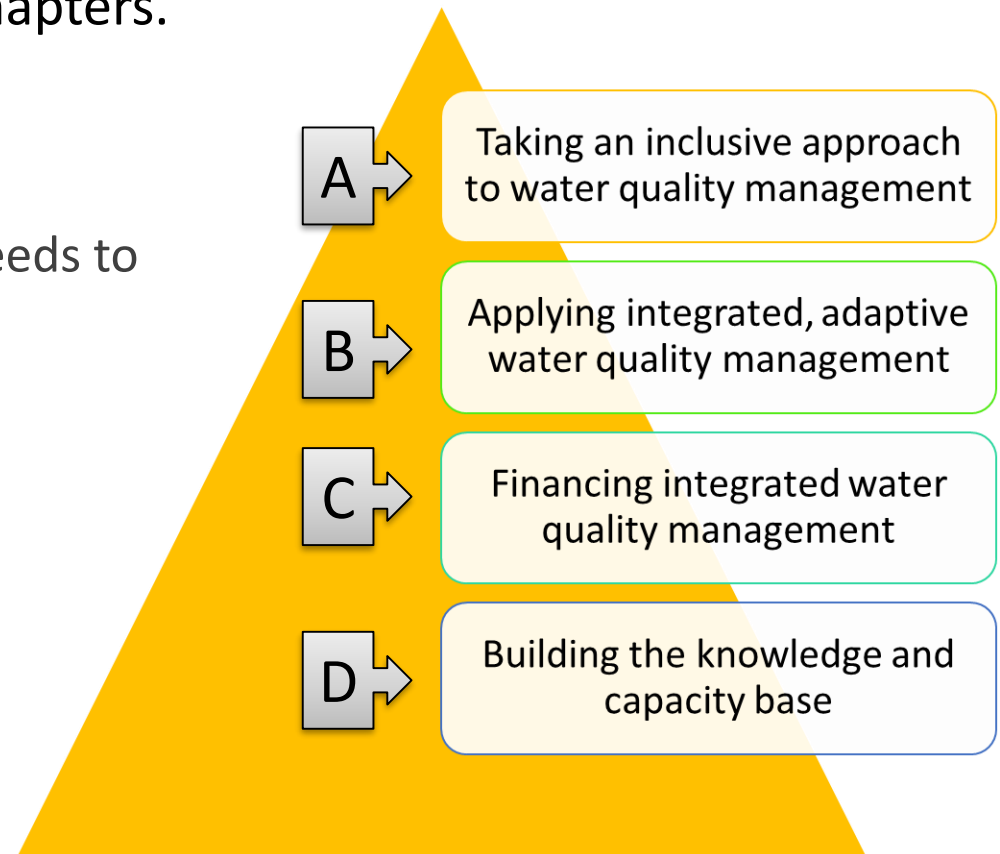
DATA AND INFORMATION

- **Principle 14:** Collection and protection of data
- **Principle 15:** Publicly available information

The term “new policy position” refers to: new in how it applies to WQM

WQM POLICY RESPONSE

- WQM Policy is divided into 4 Chapters.
- Each chapter describes
 - The problem/challenge that needs to be resolved through policy;
 - The response to mitigate the challenge; and
 - The principles it is adopting in responding to the challenge



CHAPTER A: INCLUSIVE WQM FOR SOUTH AFRICA

Deals with:

- The **need to see/understand the impact of water quality** on the socio-economic and ecological development in the country
- The need for an **intra- and inter-departmental response to the WQM challenges** in the country,
- Some of the key policy aspects that must be addressed in achieving such an approach,
- The need to **build partnerships between government departments, civil society and the private sector** in order to be able to successfully address the challenges.

CHAPTER A: WQM PRINCIPLES THAT APPLY

- **Principle 1:** Government-wide water quality management
- **Principle 2:** Subsidiarity and accountability
- **Principle 4:** Partnerships
- **Principle 7:** Water quality is a developmental issue



CHAPTER B: INTEGRATED, ADAPTIVE WQ REGULATION & MANAGEMENT

Spells out the **nature of an integrated approach to adaptive WQM** and **key policy framings of the integrated approach to regulation and adaptive management** of water quality, including integrated, adaptive catchment planning, following a risk-based approach; and applying a hierarchy approach to decision-making.

CHAPTER B: WQM PRINCIPLES THAT APPLY

- **Principle 3:** Transboundary water quality management
- **Principle 4:** Partnerships
- **Principle 5:** Administrative fairness and implementability
- **Principle 10:** An integrated approach
- **Principle 11:** Hierarchy of decision-making
- **Principle 12:** Green/ecological Infrastructure restoration and rehabilitation
- **Principle 13:** Risk-based approach



CHAPTER C: FINANCING WQM

Examines the **financial underpinnings of IWQM**, looking at **tools for financing** the required actions, as well as the **role of the private sector** in this regard.

CHAPTER C: WQM PRINCIPLES THAT APPLY

- **Principle 4:** Partnerships
- **Principle 6:** Administrative Penalties
- **Principle 8:** Broadened funding mechanisms
- **Principle 9:** Polluter pays



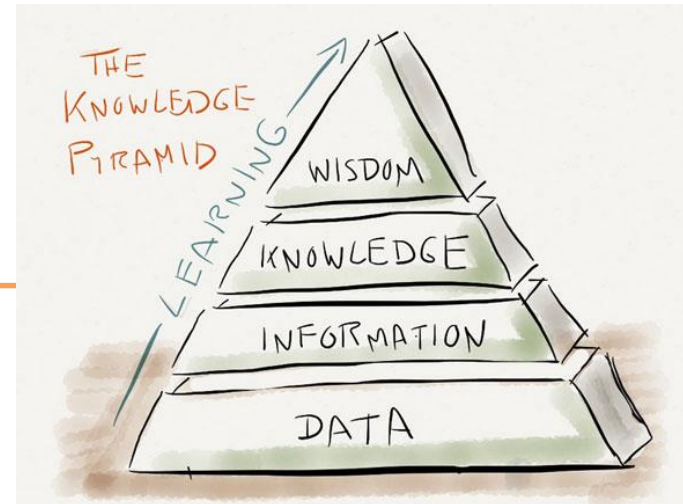
greenfund

CHAPTER D: KNOWLEDGE AND INFORMATION MANAGEMENT

This describes the policy with regard to the knowledge, human resource capacity and information base requirements to be able to implement the policy approaches

CHAPTER D: WQM PRINCIPLES THAT APPLY

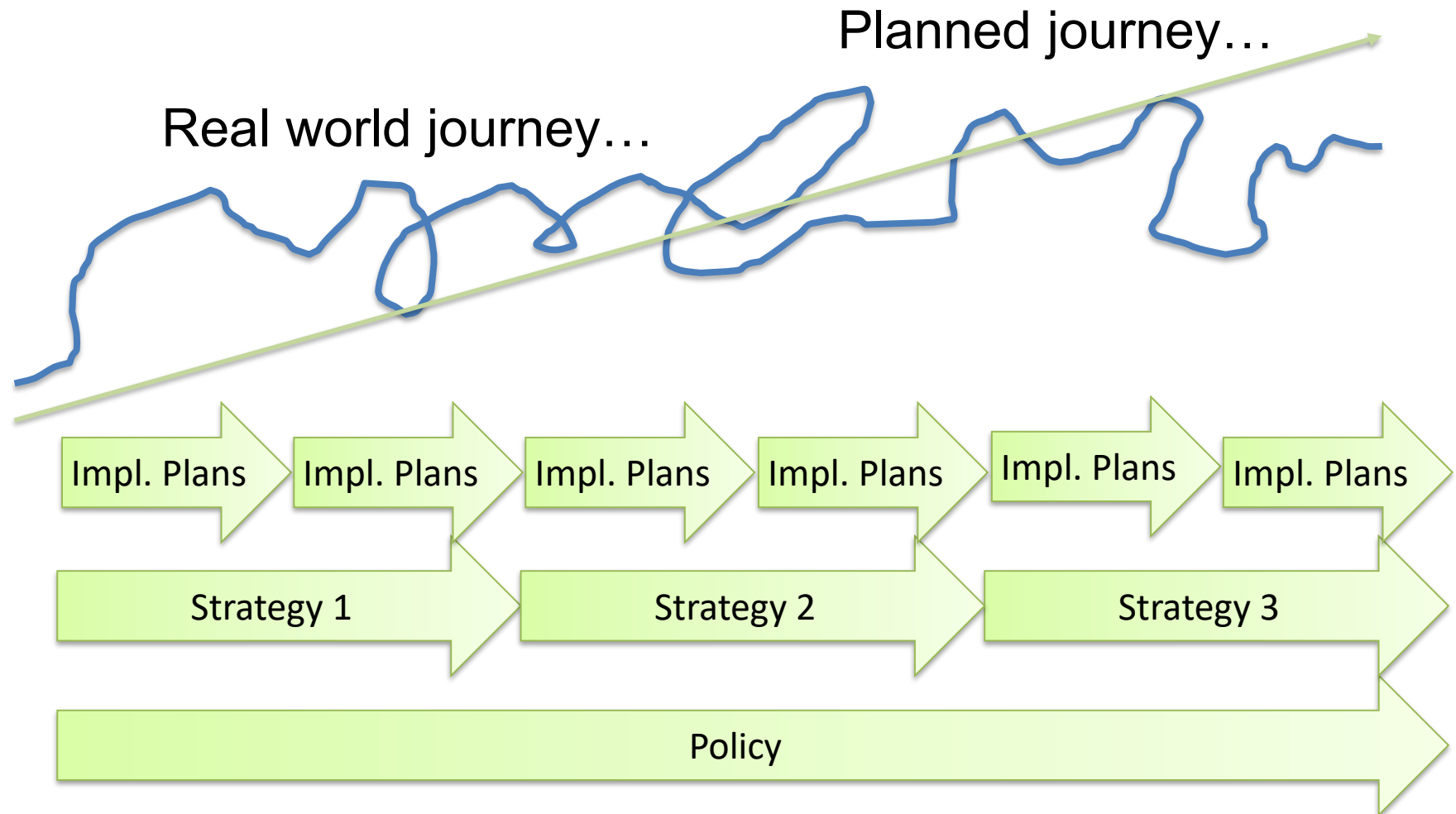
- **Principle 4:** Partnerships
- **Principle 14:** Collection and protection of data
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POLICY, STRATEGY AND IMPLEMENTATION MAP



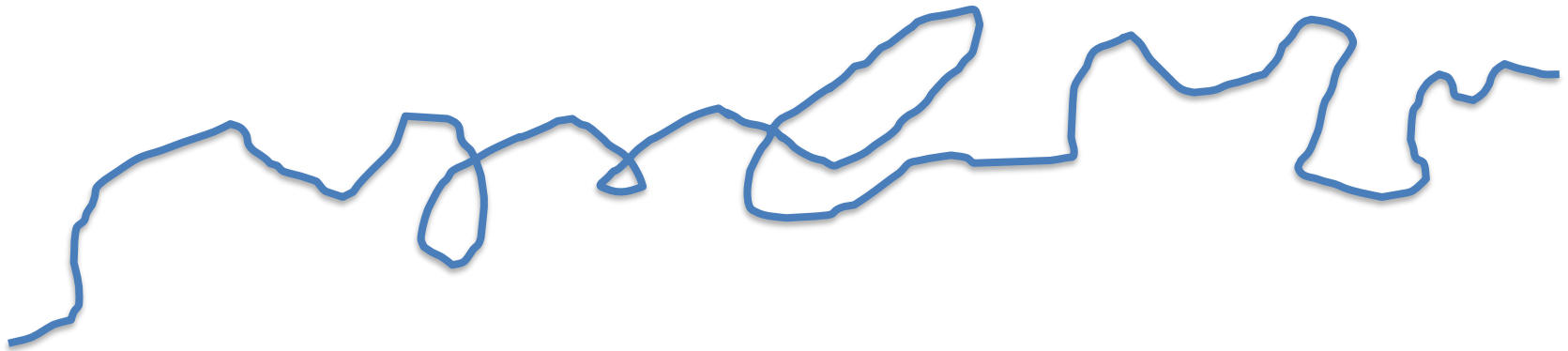
GLOBAL GOOD PRACTICE

Global best practice in the private sector:

- ✦ **place less emphasis on sticking to a strategic plan** than on building a rich, engaging corporate purpose
- ✦ **focus less on formal structural design** and more on effective management processes
- ✦ **less concerned with controlling employees' behaviour** than with developing their capabilities and broadening their perspectives
- ✦ **moving beyond the doctrine of strategy, structure, and systems** to a more organic model built on the development of purpose, process, and people

GLOBAL GOOD PRACTICE

How can we ensure that, in this strategy, we also build the capability of people and institutions to manage in an adaptive, integrated and pro-active manner?



STRATEGIC INTENT

- ✦ It is **aligned with the strategic objectives of the policy**, while being consistent with broader water and development strategies (NDP, NWRS2)
- ✦ It is **focused on a short term timeframe**, while building a platform for future strategies in line with the policy and visions for water quality management
- ✦ It **prioritises a limited number of critical concerns**, while ensuring that other issues are addressed through ongoing management or monitoring for future prioritisation
- ✦ It is **relevant at national, catchment and local scales, while ensuring horizontal alignment across sectors** and institutions at each scale
- ✦ It **guides the actions/activities to be described in the implementation plans** on a short-term basis
- ✦ It **allows for adaptive response** to changing circumstances and achievements based on effective ongoing monitoring and evaluation, during its timeframe

WQM VISION, MISSION, GOALS

VISION

Government, in partnership with private sector and civil society secure good water quality for all forever

MISSION

Support a consistent inter-departmental approach to how water quality is managed in the country.

Support cooperative and integrated approaches to water quality management across sectors, including civil society.

Adopt an adaptive management approach in which co-creation and co-learning by key players is entrenched.

Realise improvements in water quality in key systems.

Start to build capacity for longer-term improvement in water quality

GOALS

Enabling

Goal 1: Improved Alignment of Policy, Strategy and Legislation

Goal 2: Improved Governance

Implementing

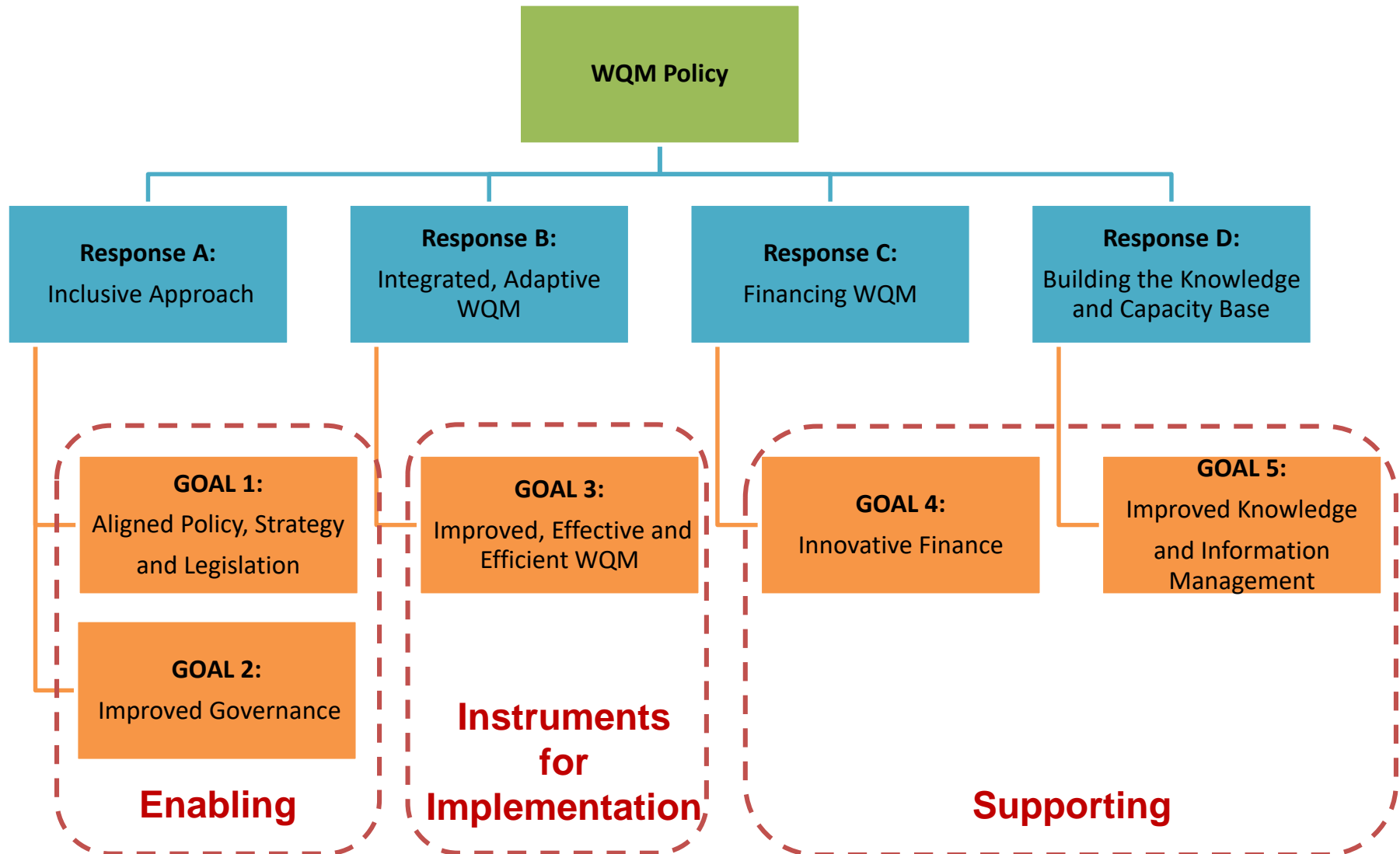
Goal 3: Improved, Efficient and Effective WQM

Supporting

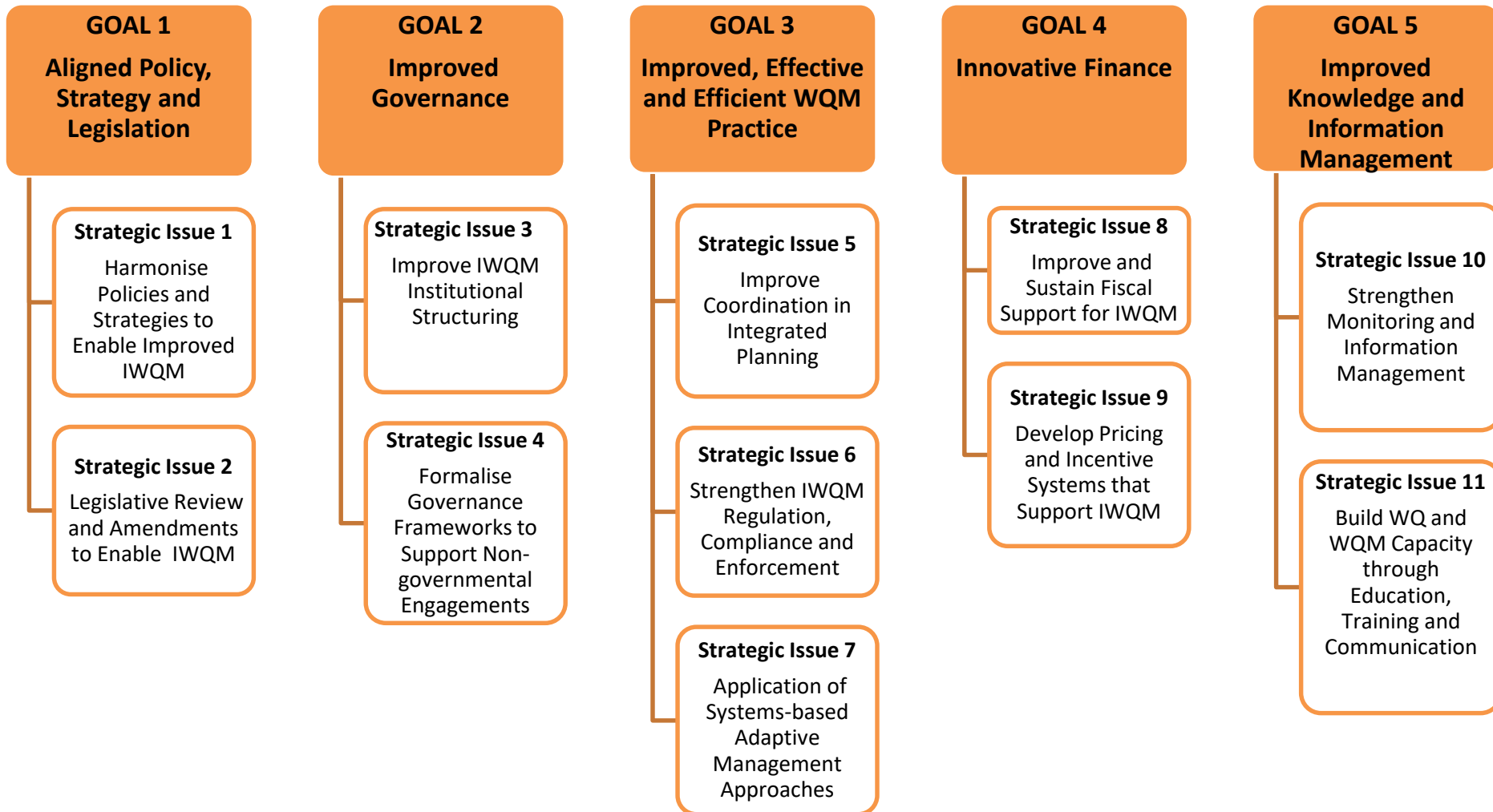
Goal 4: Innovative Finance

Goal 5: Improved Knowledge and Information Management

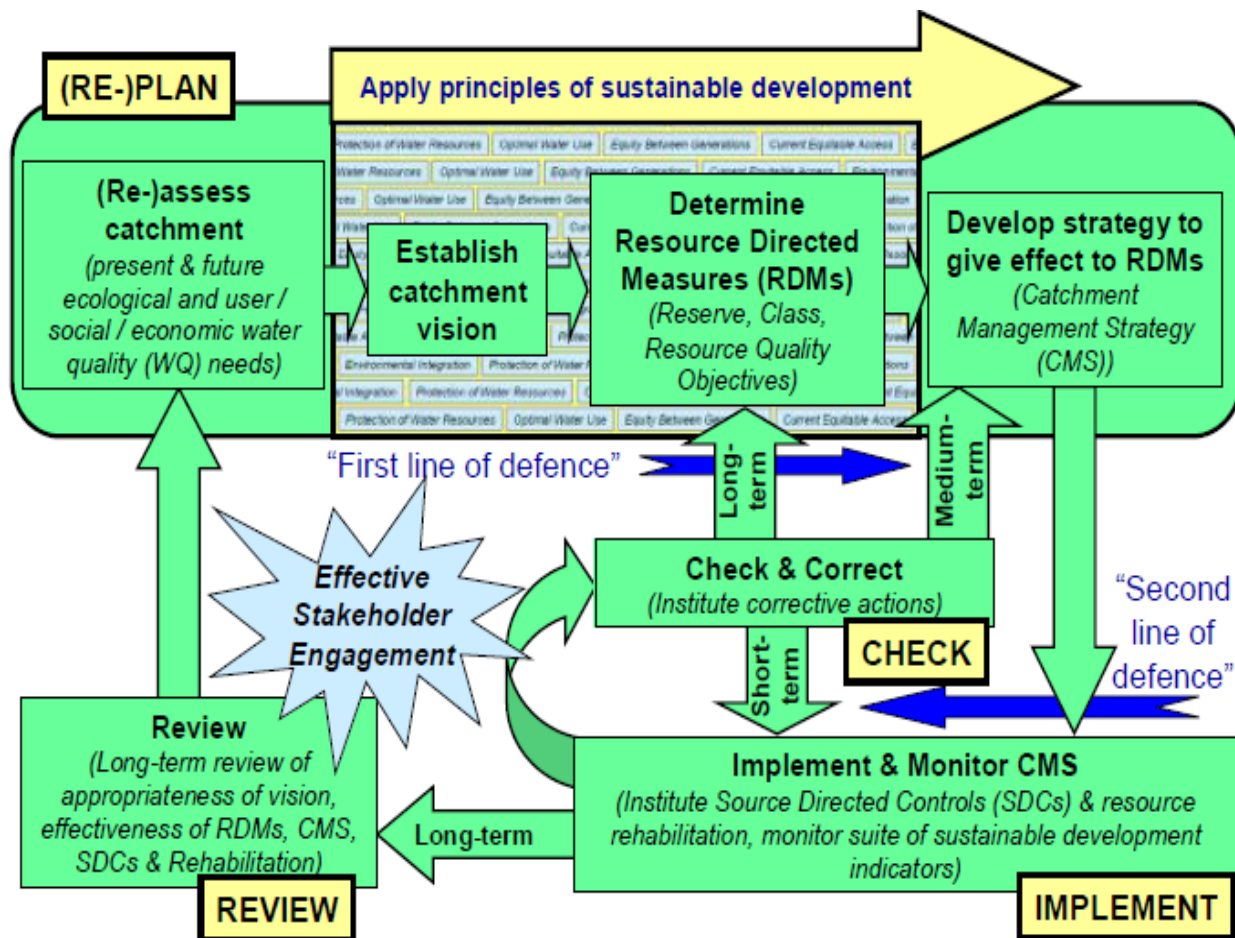
IWQM POLICY TO GOALS



IWQM STRATEGIC ISSUES



TOWARDS IMPLEMENTATION



Whilst there is a need to change our approach to WQM, it must be recognised that there is a well-conceived framework for WQM that needs to be implemented.

The integrated water quality management process (DWAF, 2006)

TOWARDS IMPLEMENTATION

Fix priority issues

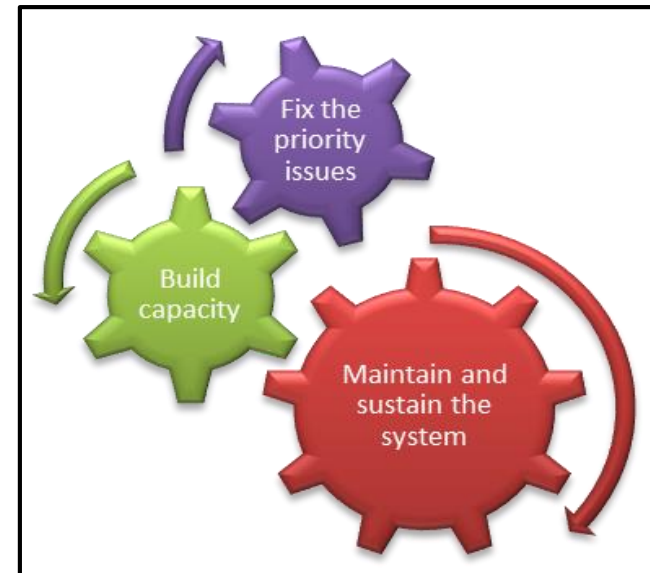
This will provide the **opportunity to realise success in addressing key issues** and will embark on looking at rehabilitation or remediation in critical catchments. This will also entail looking at priority issues that can support the building of capacity and the on-going application of exiting instruments.

Build capacity

Whilst it is understood that the capacity that the water sector requires will not be in place within the short term, in terms of skills, integrated information and systems, this is an important issue that needs to be driven immediately and continued over time in order to build adaptive management capacity. This also includes the development of cooperative partnerships across government, private sector and civil society.

Maintain and sustain the system

The **on-going processes that the DWS has in place will continue to be utilised** to manage water quality across the country. These instruments and systems may require strengthening over time. This could involve exploring ways in which to improve and simplify some these instruments. This would include a drive to look at where instruments and systems can be integrated between departments in order to improve inter-departmental approaches.



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NEXT STEPS...

- ✚ Gazette Edition 1 of WQM Policy for comment and further revise the Policy to produce Edition 2 (final edition) based on:
 - further inputs from wider stakeholder groups (and the public)
 - the outcomes of the IWQM Strategy development process.
- ✚ Develop IWQM Strategy Edition 2 and Implementation Priorities based on:
 - Inputs from provincial workshops
 - Inputs from Project Committees
 - Inputs from focused discussions with key stakeholder groups
- ✚ Review of WQM Function and Institutional Structure
- ✚ National Inter-Departmental Workshop – Nov/Dec 2016
- ✚ National Symposium – April 2017



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Thank you

For more information, please refer to

<https://www.dws.gov.za/projects/iwqms/default.aspx>

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