



**water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



# **National Water & Sanitation Master Plan**

## **“A call to action”**

**Presentation to Water & Sanitation Sector  
Leadership Group  
13 September 2018**

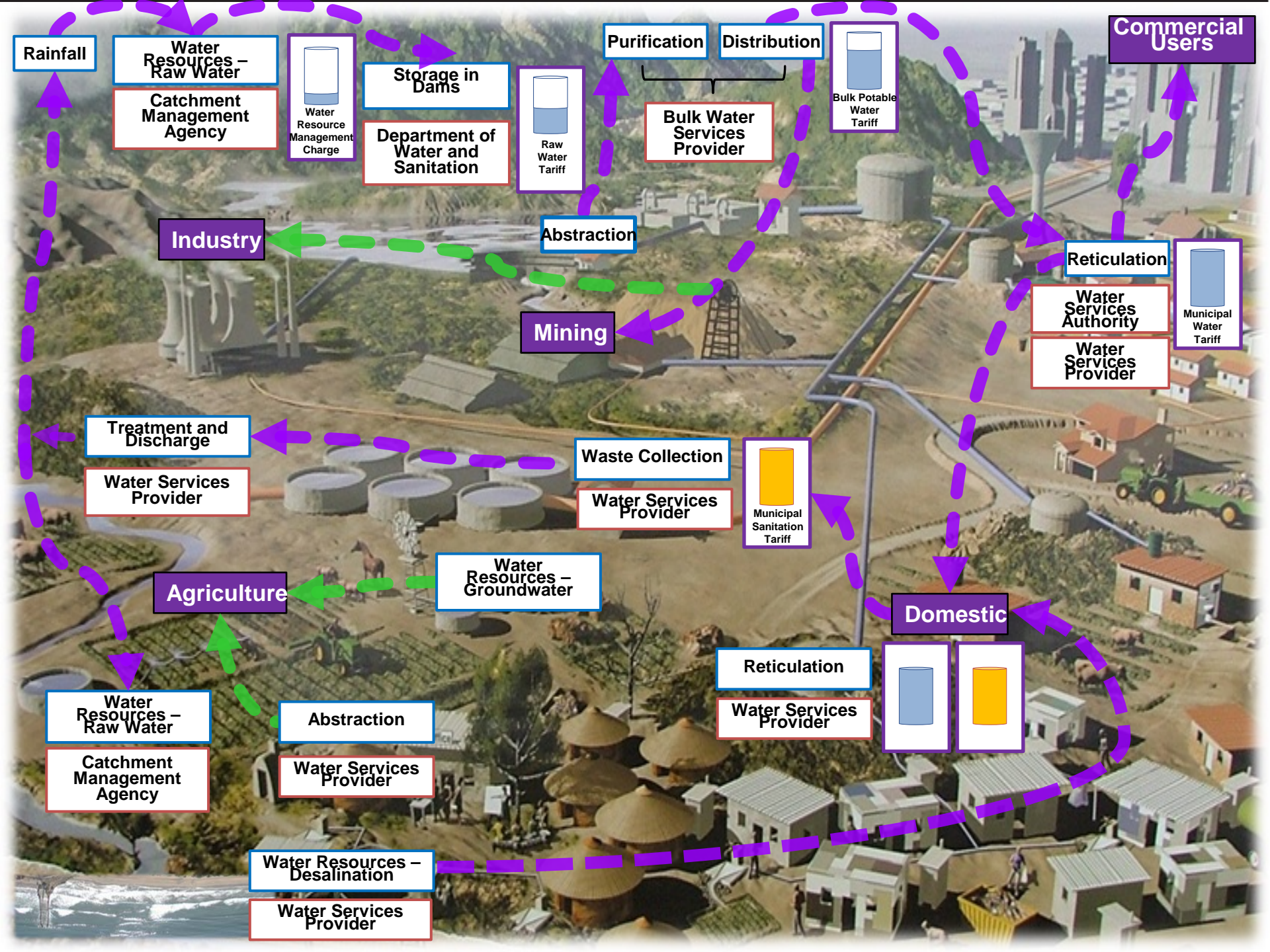
**Presented by: Trevor Balzer**  
**DDG: Strategic and Emergency Projects**

# OBJECTIVE OF NW&SMP

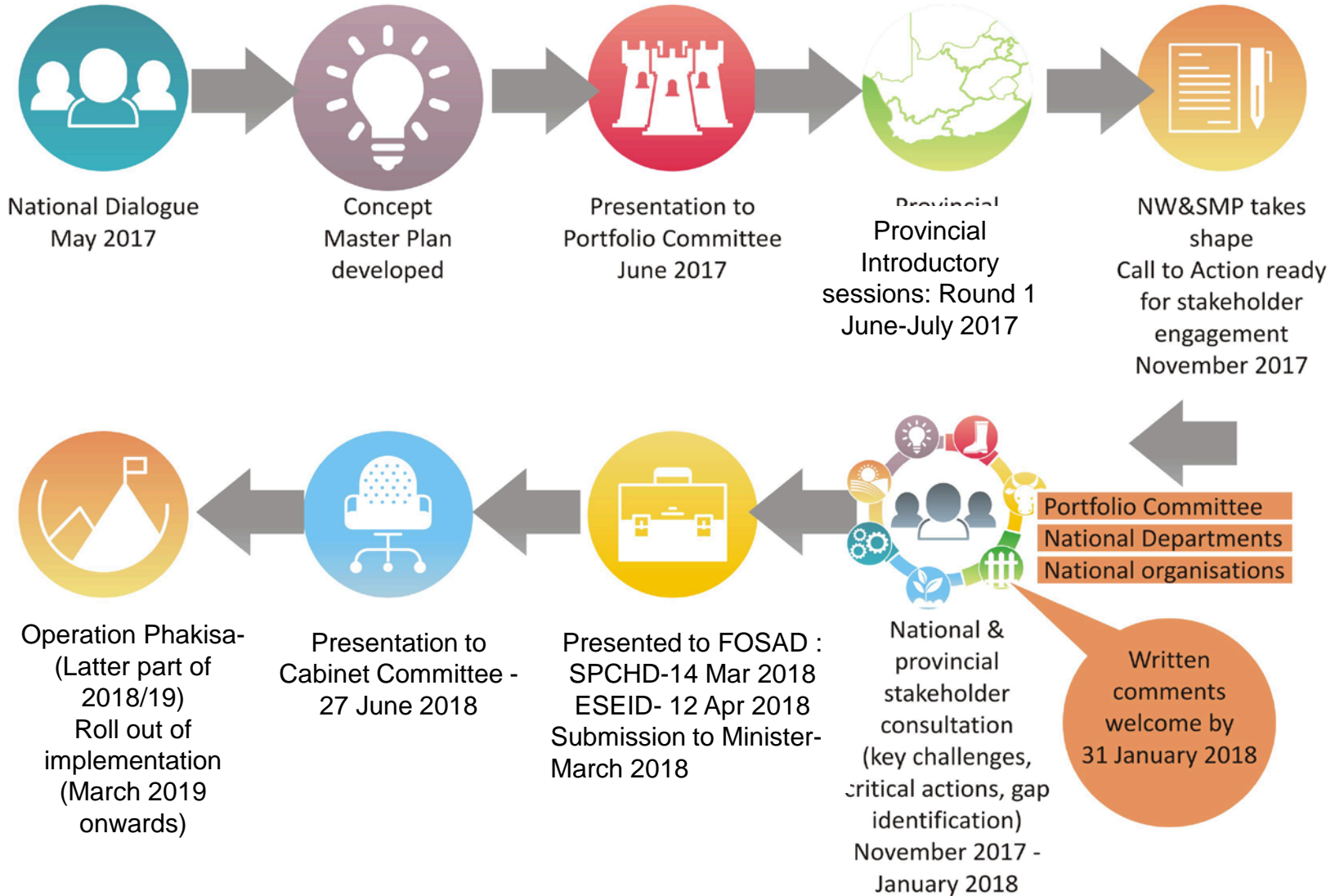
- The Master Plan points out the priority actions required until 2030 and beyond to ensure the water security and equitable access to water and sanitation services for all in RSA.
- It was developed in partnership with all relevant organs of state and water sector stakeholders, to give effect to local, national, regional, continental and international water and sanitation delivery targets and commitments.
- Ensure integrated planning and development across the entire water value chain (*support the recommendations from Cabinet Lekgotla on IMTT basic Services strategy: eg. Focus on misalignment where bulk infrastructure has been provided without provision made for reticulation, LR4*).







# ROAD MAP





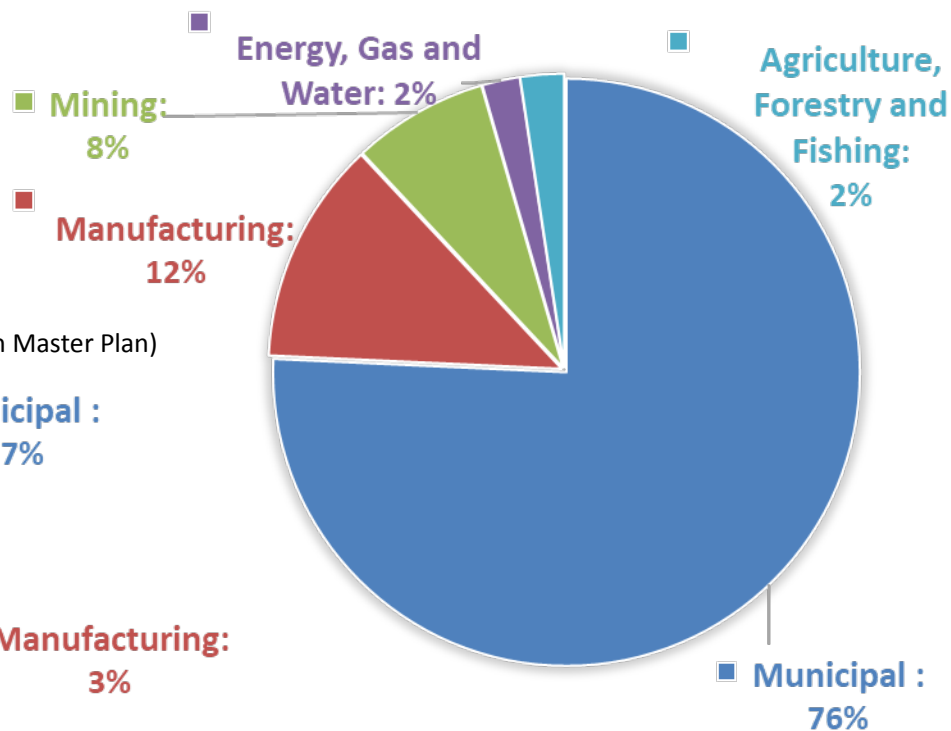
# STAKEHOLDER ENGAGEMENTS

- **Various Events, eg**
  - 3rd Annual Water Stewardship Event: Municipal Water Infrastructure Financing
  - SANCOLD
  - NSBA Breakfast Seminar
  - Water Infrastructure Summit
  - Wetlands Seminar
  - Eskom and Sasol workshop
- **Government structures**
  - FOSAD: Social Protection, Community and Human Development (SPCHD) Cluster, FOSAD: ESEID Cluster , ESEID Cabinet Committee
- **National Departments**
- **Professional Bodies, Civil Groups, Business Association, Academic Institutions**
- **Entities: WRC, TCTA, CMA, SALGA, CSIR**

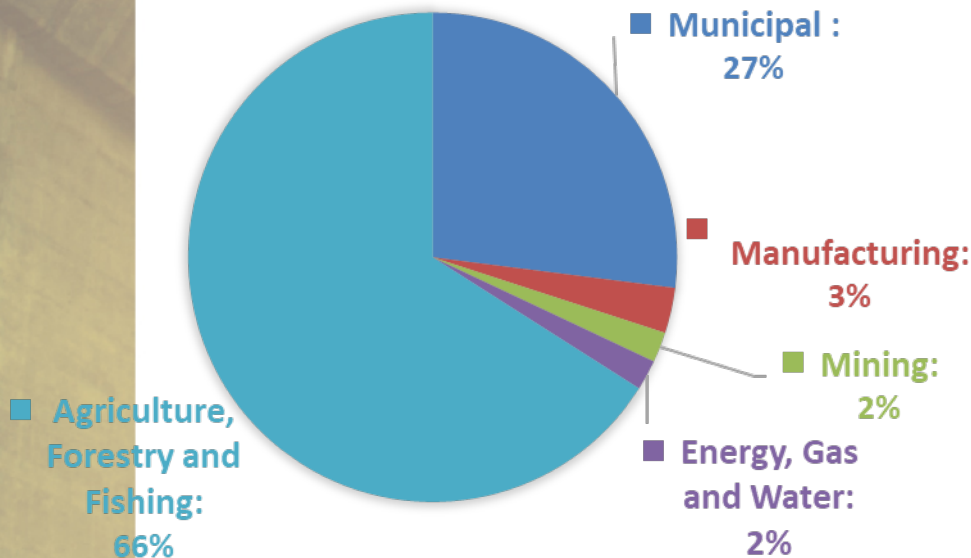


# GDP Contribution per Sector versus Water Use per Sector

- GDP Contribution (Stats SA PO441)



- Water Use (DWS Water & San Master Plan)



Note that the level of assurance at which agricultural water is supplied is lower than that of other sectors.

# Content of NW&SMP

- The National Water and Sanitation Master Plan ( NW&SMP) is a “Call to Action”. It seeks to rally all Water Sector Stakeholders in South Africa to work together to address the challenges confronting the Water and Sanitation Sector
- The Plan enable the achievement of the targets set out in the National Development Plan (NDP) Vision for 2030 and the Sustainable Development Goals (SDG Goal 6 2030), of affordable and reliable access to sufficient and safe water and hygienic sanitation for socio-economic growth and well-being, with due regard to the environment
- The Plan is also geared for the 5 key Strategic Pillars of the Department.
  - Pillar 1 National Water Resources and Services Authority
  - Pillar 2 National Water Resources and Services Regulator
  - Pillar 3 Water Resources and Services Value Chain
  - Pillar 4 Water Resources and Services Master Plan
  - Pillar 5 Institutional Rationalisation and Organisational Alignment 7



# NW&SMP PHILOSOPHY

## INSTRUMENTS

- ✓ National Water and Sanitation Bill
- ✓ National Water and Sanitation Master Plan
- ✓ National Water and Sanitation Resources Strategy
- ✓ Water Security Framework



Affordable and reliable access to sufficient and safe water and hygienic sanitation for socio-economic well-being with due regards to the environment

Without sufficient revenue from transfers and tariffs, the sector will be unsustainable

- ### DRIVERS
- Sustainable Development Goals
  - National Development Plan
  - National Water Resource Strategy
  - National Water & Sanitation Strategy
  - National Water & Sanitation Bill
  - Climate Change
  - African Union Agenda 2063

### KEY OBJECTIVES - NEW NORMAL

- Resilient and fit for use water supply
- Universal water and sanitation provision
- Equitable sharing and allocation of water resources
- Effective infrastructure management, operation and maintenance and waste water treatment
- Reduction in future water demand



Ready for the future, ahead of the curve

Consolidate and Prioritise Schedule of Actions



# Structure of NW&SMP



**Volume 1: Call to Action** briefly outlines the milestone challenges and the recommended actions

**Volume 2: Plan to Action** provides detailed account and analysis of the rationale for challenges and actions, and addresses future inter-governmental collaboration, M&E protocols and continuous stakeholder engagement during implementation.

**Volume 3: Schedule of Actions** provides a detailed consolidated and prioritised implementation plan with costs covering all the actions required across the sector to achieve the objectives of the plan.

# SDG, HLPW and NW&SMP Link (1)

SDG	Target	Indicator	High-Level Panel on Water Recommendations	NW&SMP	Estimated PV Cost R million (2018) Excl VAT
6.1	By 2030, achieve universal and equitable access to safe and affordable drinking water for all	Proportion of population using safely managed drinking water services	ENSURE UNIVERSAL ACCESS TO SAFE WATER & SANITATION	1.3.8 Deliver services to achieve (100%) universal water services provision (Municipal Water Supply Projects)	R 272 760
6.2	By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations	Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water	ENSURE UNIVERSAL ACCESS TO SAFE WATER & SANITATION	1.3.7 Deliver services to achieve (100%) universal sanitation coverage (Municipal Sanitation Projects)	R 87 425
6.3	By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally	Proportion of wastewater safely treated; Proportion of bodies of water with good ambient water quality	BUILD RESILIENT SOCIETIES AND ECONOMIES, REDUCING DISASTER RISK  NURTURE ENVIRONMENTAL WATER	1.5 Integrated Water Quality Management	R 1 947

# SDG, HLPW and NW&SMP Link (2)

SDG	Target	Indicator	High-Level Panel on Water Recommendations	NW&SMP	Estimated PV Cost R million (2018) Excl VAT
6.4	By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	Change in water-use efficiency over time; Level of water stress: freshwater withdrawal as a proportion of available freshwater resources	UNDERSTAND WATER  MANAGE WATER  DEVELOP SUSTAINABLE CITIES  PROMOTE INNOVATION	1.1.1 Reduce Non Revenue Water (NRW) and water losses in all municipalities to 15% below the business as usual.	R 562
6.5	By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate	Degree of integrated water resources management implementation (0-100); Proportion of transboundary basin area with an operational arrangement for water co-operation	MANAGE WATER  STRENGTHEN PARTNERSHIPS  INCREASE GLOBAL WATER COOPERATION	1.5.7 Adopt an integrated planning approach at trans-boundary (international), national, Water Management Area and sub-catchment levels 2.2.3 Alignment of monitoring institutions to support National and International reporting programme, e.g. SDG, Agenda 63 and AMCO	Not costed



# SDG, HLPW and NW&SMP Link (3)

SDG	Target	Indicator	High-Level Panel on Water Recommendations	NW&SMP	Estimated PV Cost R million (2018) Excl VAT
6.6	By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes	Change in the extent of water-related ecosystems over time	NURTURE ENVIRONMENTAL WATER	1.6 Protecting and restoring ecological infrastructure	R 444
6 A	By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies	Amount of water- and sanitation-related official development assistance that is part of a government-coordinated spending plan	MANAGE WATER  INCREASE WATER INFRASTRUCTURE INVESTMENT  STRENGTHEN PARTNERSHIPS  INCREASE GLOBAL WATER COOPERATION	2.4 Ensuring Financial Sustainability	Not costed

# SDG, HLPW and NW&SMP Link (4)

SDG	Target	Indicator	High-Level Panel on Water Recommendations	NW&SMP	Estimated PV Cost R million (2018) Excl VAT
6 B	Support and strengthen the participation of local communities in improving water and sanitation management	Proportion of local administrative units with established and operational policies and procedures for participation of local communities in water and sanitation management	<p>UNDERSTAND WATER</p> <p>MANAGE WATER</p> <p>PROMOTE INNOVATION</p> <p>STRENGTHEN PARTNERSHIPS</p>	2.1 Creating effective water sector institutions	R 828

# IN SUMMARY

- Finalise the draft Volume 3 : Schedule of Actions for use during the Phakisa
- SDG Task Team to quantify indicators out of NW&SMP
- There are gaps identified in quantifying indicators. Some of the gaps require confirmation of actions in the NW&SMP by government institutions and the private sector.
- Programmes of implementation would only be finalised after the Phakisa Lab

Today's meeting forms part of the Consultation with key partners for the implementation and participation in the Phakisa.





NGIYATHOKOZA

DANKIE KE A LEBOGA

NGIYABONGA

NDIYABULELA

INKOMU NDI KHOU  
LIVHUHA

*Thank you*