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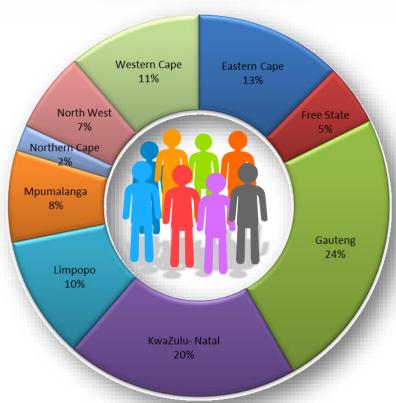




South Africa Snapshot

- Key South African Service Delivery targets:
 - All have access to basic water supply by 2014 (currently 85%)
 - All have access to basic sanitation facility by 2014 (currently 63%)
 - Services to be sustainable
- → Water Services Provision is a Local Government function





Source: Stats SA Mid-year population estimates 2013





Challenges to Effective, Sustainable Municipal Water Services

- Changing workforce with rising lack of technical skills
- Aging water infrastructure; increasing investment needs
- Availability/adequacy of water resources; climate change
- Shifting patterns in water demand; rising energy costs
- Increasing/expanding water regulations
- Challenge to meet Basic Water Supply/Sanitation Targets
- Competing political priorities within municipalities
- Uncertain economy, with water services provision often a "bankrupt business"
- Poor water services planning & prioritization











Solving the Challenge



Navigating to effective, efficient, sustainable Water Services can be a challenging maze



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Addressing the Challenge





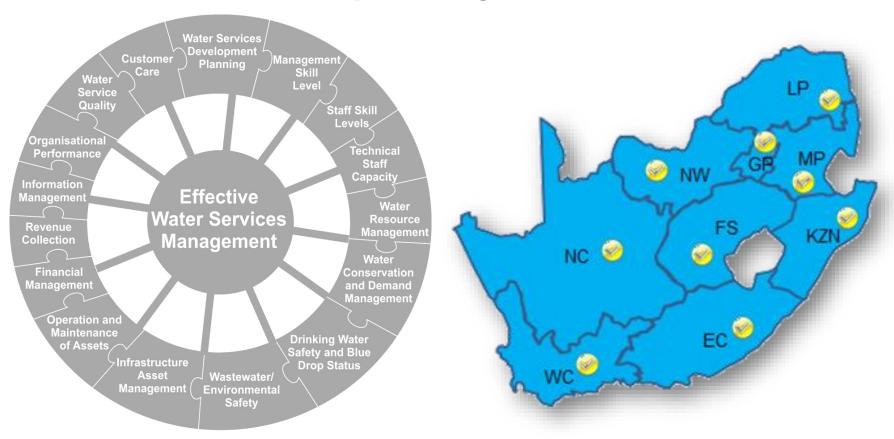






Solution: Determine & Address Vulnerability

MuSSA: Municipal Strategic Self-Assessment





All 152 WSAs are surveyed annually



Water Services Vulnerability via MuSSA Process

- MuSSA focuses on assessing overall Business Health of WSA to fulfill water services function
- Determines Vulnerability of 16 Key Functional Water Services Business Attributes at a strategic / high level
- Provides strategic flags (vs. deep technical detail captured via other programs) as to Business Health
- 5 Essence Questions per Functional Business Attribute
- Vulnerability score for each Business Attribute
- Combined output: Municipal Vulnerability Index
- Based on Self-Assessment, which is reviewed and confirmed in close consultation with DWA: Regional office









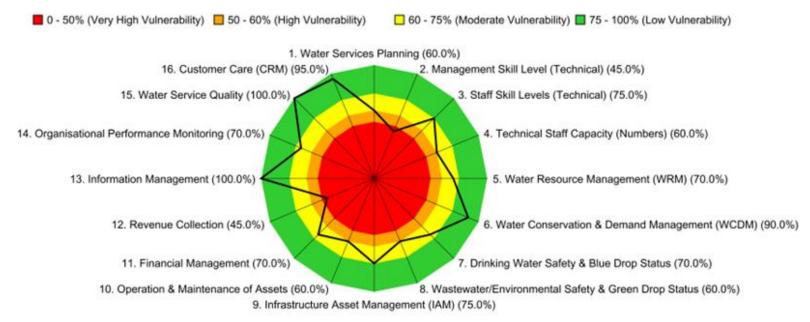




MuSSA Output: 2012/2013

Assessed MuSSA Confidence Level: Green

Municipal Strategic Self-Assessment of Water Services (MuSSA) (2012)







Very High Vulnerability



High Vulnerability









National Hot **Spots**

Management Skill Level (Technical)

Staff Skill Levels (Technical)

Technical Staff Capacity (Numbers)

Water Resource Management (WRM)

Mater Conservation & Demand Management (WCDM)

Drinking Water Safety & Blue Drop Status

Mastewater/Environmental Safety & Green Drop Status

Infrastructure Asset Management (IAM)

Operation & Maintenance of Assets

Very High Vulnerability

High Vulnerability

Moderate Vulnerability

Low Vulnerability

No Data

Financial Management

∧ Revenue Collection

Information Management

Organisational Performance Monitoring



Hot Spots impairing Sustainable Water Services





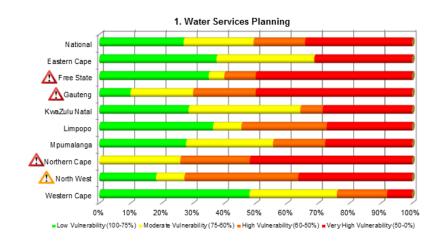


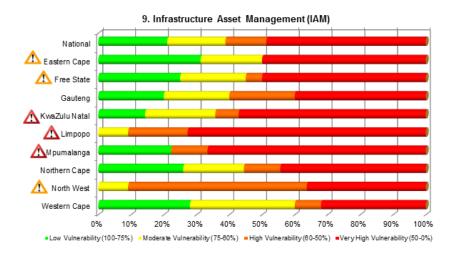




Topic Focus











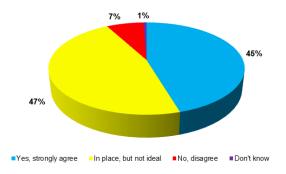




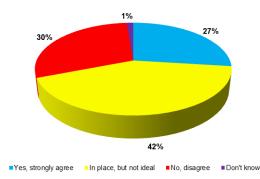


Specific Vulnerabilities: 9. Infrastructure Asset Management

9.1 You have an appropriate and up-to-date water services Asset Register (includes asset name, location, condition, useful life, risk analysis, etc.) - National



9.2 You have an appropriate Infrastructure Asset Management (IAM) Plan for your WSA (including replacement values) - National



9.3 You have implemented an IAM Programme in your WSA (including allocation of appropriate budget and staff) - National





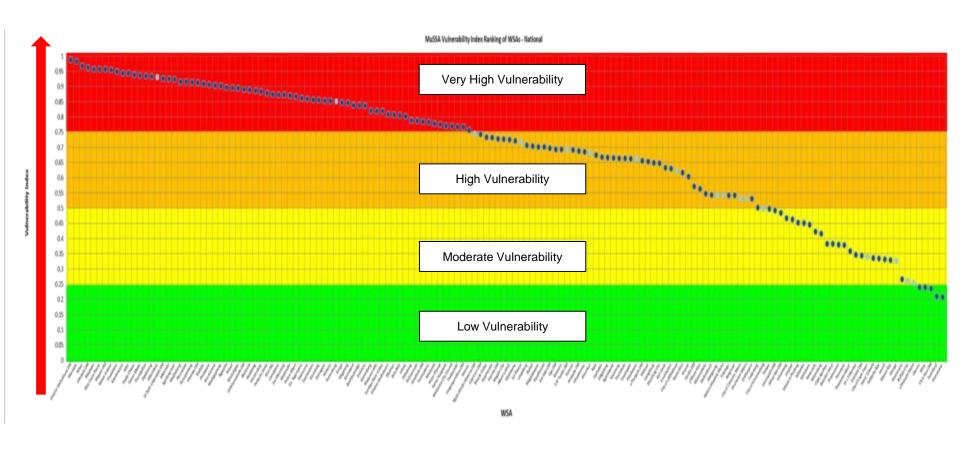
- ■Yes, strongly agree (i.e. 100% implemented) ■Mostly agree (i.e. >75% implemented)
- Agree somewhat (i.e. >50% implemented) < 50% implemented
- ■Not implemented (i.e. 0%)
- Don't know







Vulnerability Index Ranking: South Africa







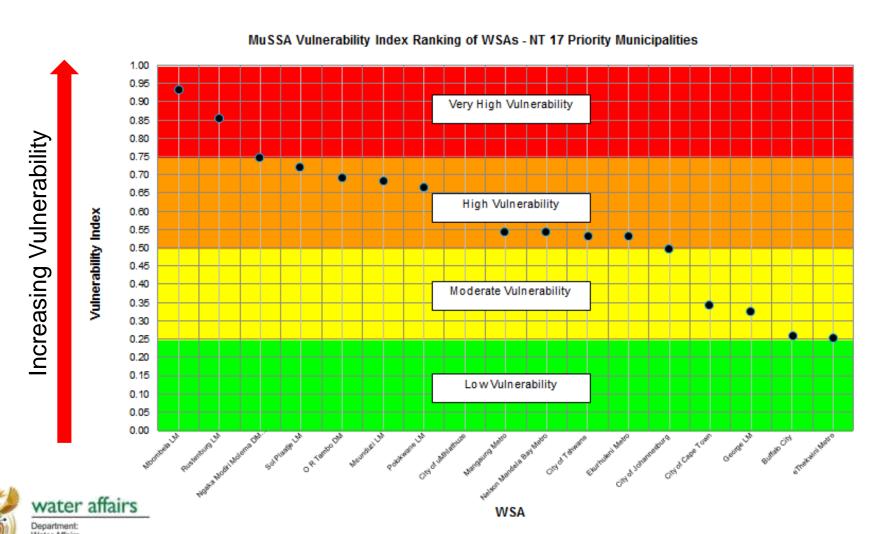
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Vulnerability Index: Top 17 Municipalities





MuSSA: In Summary

- Identifies critical business vulnerabilities that need to be addressed at municipal, regional, national levels
- Provides a common language between:
 - Technical and financial municipal officials
 - Appointed and politically elected municipal officials
- Tracks Vulnerability Trends at local/regional/national levels
- Supports inter-departmental collaboration in addressing key threats to sustainable services delivery
- Compliments regulatory and planning processes
- Feeds into and supports Performance Improvement processes, including National Municipal Benchmarking
- Cost effective Sector Monitoring & Evaluation tool















Municipal Priority Action Plan (MPAP) Supporting Continual Improvement Cycle



MuSSA output is used to engage with municipalities to:

- Confirm Baseline Vulnerabilities via MuSSA
- Jointly Resolve Key Issues through an MPAP between Municipality, DWA & other key role players
- 3. Assign Actions and Resources (WHO, WHAT, WHEN, COST)
- 4. Monitor, Evaluate, Communicate progress, including updating of MuSSA



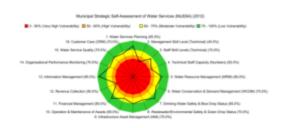








Municipal Priority Action Planning Process



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MuSSA Confirmation
Workshop

MPAP Drafting Workshop

Municipal Management Signoff

Council Signoff

Final MPAP inclusion into Master Plan

WSA MPAP Implementation

MuSSA Update



Water Affairs ,
SALGA & Sector
Supports
Prioritised Actions



Key Conclusions: Moving Towards Success

- Water Services faces multi-level challenges
- MuSSA provides a quick, simple means to identify key Vulnerabilities threatening Sustainable Services
- The MPAP provides a simple "start-to-finish" iterative improvement approach to address key Vulnerabilities
- MuSSA and MPAP are effective in bringing about key stakeholder alignment and engagement
- MuSSA and MPAP support prescribed sector Planning, Regulatory and Support programs











