

# The Interest of IWRM at the Basin Scale to Improve the Joint Management of Groundwater and Surface Water



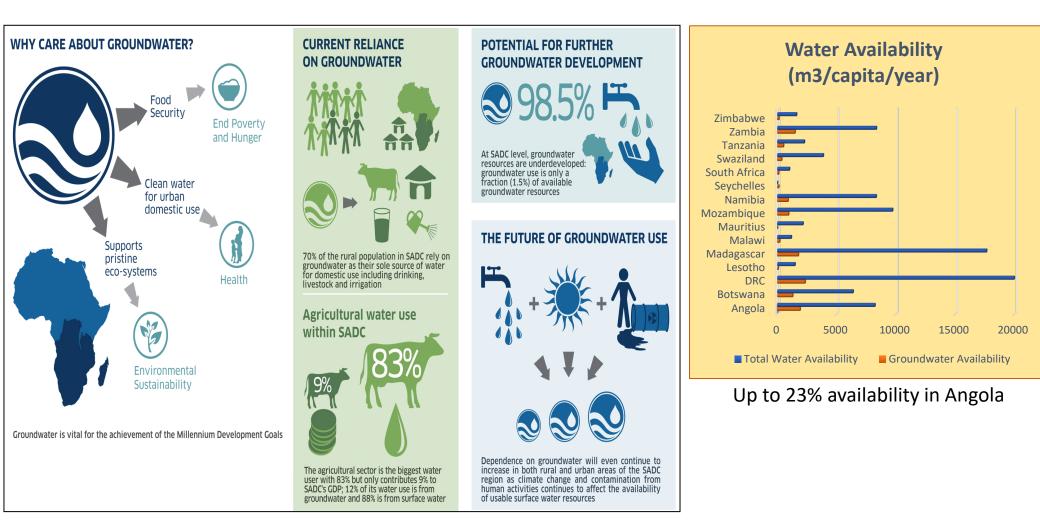


By: Eng. James Sauramba

Executive Director SADC-GMI

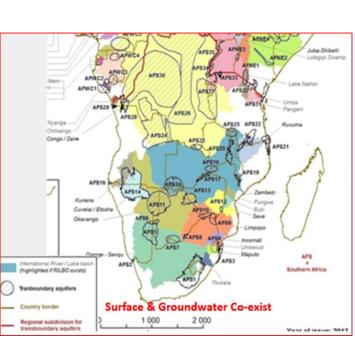


### SADC Region's Availability & Dependence on Groundwater Resources

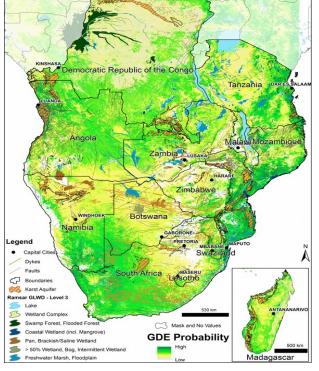




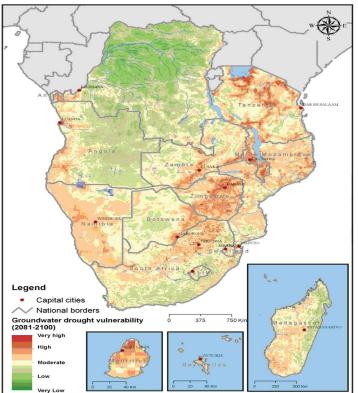
#### Key Drivers for Conjunctive Transboundary Surface & GW Development & Management



15 Transboundary River Systems 30 Transboundary Aquifers



GDEs Know No Boundaries & the poor rely on GDEs and Environmental Services

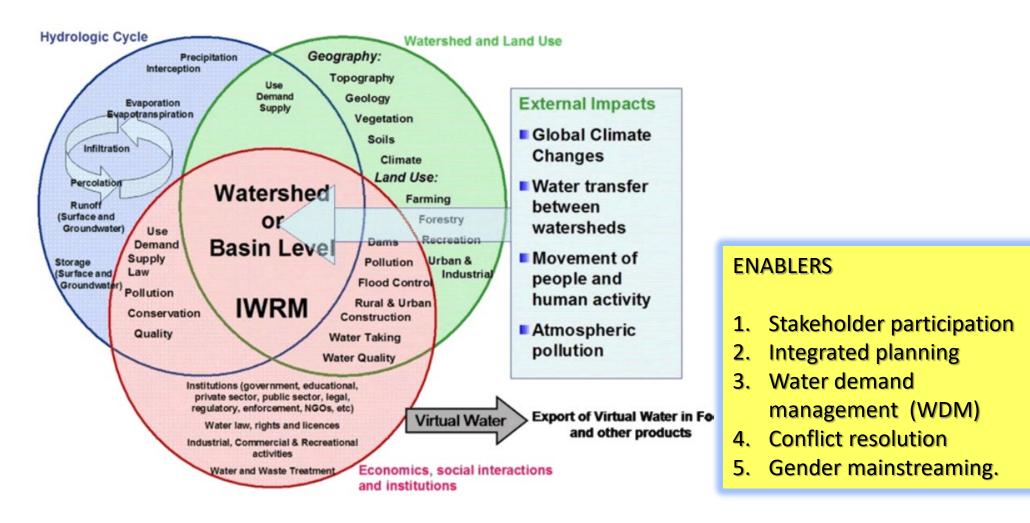


Recurrent droughts undermine SADC economies heavily dependent on natural resources, agriculture, mining, industry and tourism

#### Both surface and groundwater experience similar challenges

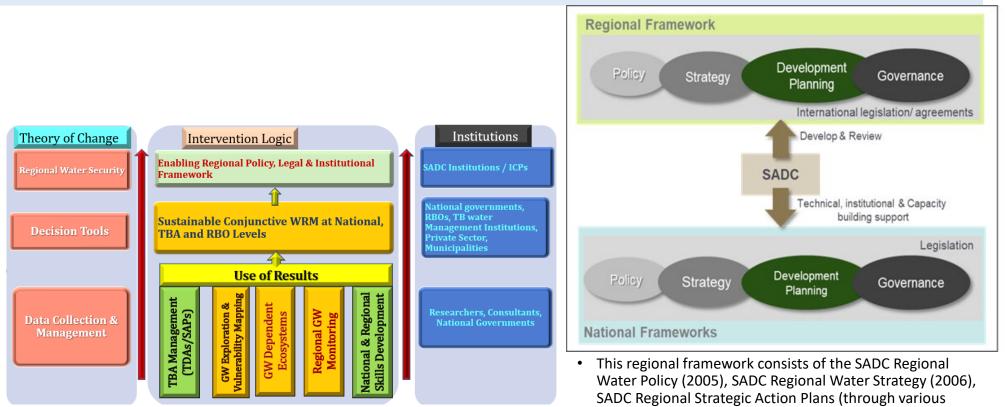


## **Context for IWRM for Conjunctive Surface & GW Management in RBOs**





#### Theory of Change & Intervention Logic for Sustainable IWRM in SADC



#### Enabling Decision Support Framework From Data to Information

• Key Pillars of the Framework: policy, strategy, development planning and governance

the Shared Watercourses (2000).

#### Harmonised Transboundary framework

phases of development) and SADC Revised Protocol on



<ol> <li>RBOs</li> <li>GW Committees</li> <li>TBA MCCMs</li> </ol>		Hitry, tegal and institutional Development December Managements in the SDC Lucier Steament (SDC)	<ol> <li>SADC Policy, Protocol, strategy, plans</li> <li>RBO Agreements</li> <li>RBO IWRM Plans</li> <li>RBO GW Strategies</li> </ol>
<section-header><section-header></section-header></section-header>	Improved Basin- wide Conjunctive Management of Surface & Groundwater	Instruments	Ari 23
<text></text>		nfrastructure	<ul> <li>Community livelihoods</li> <li>Monitoring GW use</li> <li>Inter-basin transfer</li> </ul>

**PROMOTING IWRM FOR CONJUNCTIVE USE THROUGH 4 I<sup>s</sup> MODEL** 

# CROUNDWATER MANAGEMENT INSTITUTE

# THANK YOU

www.sadc-gmi.org #sadc-gmi@theSADCGMI

