Advancing the groundwater agenda

It is estimated that over 70% of the 250 million people living in the SADC region rely on groundwater as their primary source of water.

he population of Southern
Africa is expected to double
in the next 25 years. In the
medium term, rapid economic
growth is also expected to continue. With
such developments comes rising demand
for water and an increased pressure and
reliance on groundwater.

Despite varying dependency on groundwater across SADC member states, groundwater usually provides a critical buffer between dry and rainy seasons. The agricultural sector is the largest consumer of water, using 83% of abstracted water, 12% of which is abstracted from groundwater. In emergent capital cities such as Lusaka, Gaborone and Dar es Salaam, groundwater is the dominant source of water to meet the demand of expanding factories and growing urban populations. Against this background, the sustainable management and development of groundwater resources in the region becomes critically important for economic and social development of the population.

## Managing the region's groundwater

In response to the growing demand for groundwater management in the SADC region, the Southern African Development Community

Groundwater Management Institute (SADC-GMI) was launched in September 2016 as the regionally recognised centre of excellence in groundwater management and development.

The SADC-GMI is a subsidiary of the SADC Secretariat structure and it draws its core mandate through priority intervention P6.2 – Groundwater Development and Management of the Regional Strategic Action Plan on Integrated Water Resources Development and Management Phase IV of 2016–2020.

Hosted by the University of the Free State in Bloemfontein, the SADC-GMI has grown significantly since its inception and is currently implementing the Sustainable Groundwater Management in the SADC Member States Project, with the support of the World Bank.

The project aims to catalyse multistate cooperation in balancing conflicting water uses, particularly in transboundary groundwater basins. The project prioritises climatic variability and change, and supports

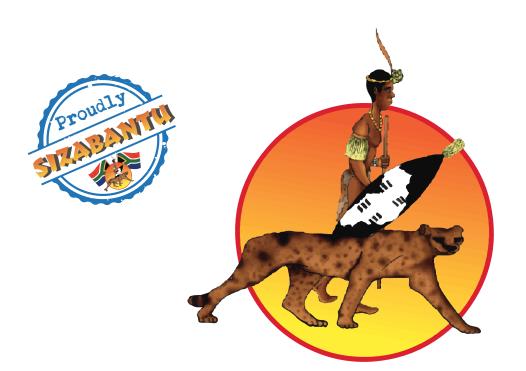
foundational capacity building, portfolio learning and targeted needs for the joint ecosystem-based management of transboundary water systems. The project will also strengthen cooperative management and the development of international water discourses.

Through the project, SADC-GMI promotes sustainable groundwater management and solutions to groundwater challenges in the SADC region through building capacity, providing training, advancing research, supporting infrastructure development, and enabling dialogue and the exchange of groundwater information. SADC-GMI also supports the SADC member states through groundwater research, and serves as an interlocutor with national, regional and international groundwater initiatives.

The project consists of four important components, namely:

- operationalising the SADC-GMI
- strengthening institutional capacity for the sustainable management of groundwater in the SADC region
- advancing knowledge on transboundary and national groundwater
- promoting groundwater infrastructure







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