



TRANSFORMING GIYANI

The Giyani Local Scale Climate Resilience Programme (GLSCRP) is an ambitious initiative under the **Water Research Commission (WRC)** aimed at addressing the adverse impacts of climate change in **South Africa's Giyani region**. With the generous support of the **Government of Flanders**, this community-led program is a collaborative effort involving **Tsogang Water and Sanitation (Tsogang)**, the **Association for Water and Rural Development (AWARD)**, and the **University of the Western Cape (UWC)**.

Through the development and implementation of climate adaptive responses and solutions, the **GLSCR**P endeavours to enhance water utilization, foster community resilience, and promote sustainable economic growth.

The **GLSCR**P is a multifaceted initiative designed to showcase innovative approaches and strategies for adapting to climate change in the Giyani region. By integrating scientific research, community engagement, and policy interventions, the program seeks to address the pressing challenges in water utilization exacerbated by climate change. Through capacity building, infrastructure development, and knowledge exchange, the **GLSCR**P aims to empower local communities to better manage their water resources and build resilience against climate-related risks.



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Understanding Climate Change Impacts in the Giyani Region

The Giyani region has experienced significant impacts from climate change, including more frequent and severe droughts, erratic rainfall patterns, and increased water scarcity. These changes have adversely affected agriculture, livestock farming, and water availability for domestic use, posing substantial challenges to the livelihoods and well-being of local communities. Through comprehensive research and data analysis, the GLSCRП aims to deepen the understanding of these climate change impacts and develop evidence-based strategies to mitigate their adverse effects.

Water Utilization Challenges in the Face of Climate Change:

Climate change has posed considerable challenges to water utilization in Giyani, resulting in limited supplies, inefficient management, inadequate infrastructure, and inadequate access to safe water and sanitation. The GLSCRП addresses these issues through the promotion of sustainable practices, infrastructure upgrades, and conservation measures. By embracing resilient water use strategies, the program aims to secure long-term water availability for the communities in the region.

Innovative Solutions for Climate Adaptation:

The GLSCRП promotes innovative climate adaptation solutions in Giyani, including rainwater harvesting, small-scale irrigation, wastewater treatment and recycling, and climate-smart agriculture. Through pilot projects and knowledge-sharing platforms, the program demonstrates the feasibility and effectiveness of these solutions, encouraging wider adoption throughout the region.

Community Engagement and Empowerment:

Community engagement and empowerment are integral to the success and sustainability of the GLSCRП. By involving local communities, traditional leaders, and stakeholders, the program ensures the development of contextually appropriate and socially inclusive solutions. Through workshops, training sessions, and awareness campaigns, the GLSCRП empowers communities with knowledge and resources to adapt to climate change.

Monitoring and Evaluation of the GLSCRП

The GLSCRП implements a robust monitoring and evaluation framework to track progress and effectiveness. By collecting and analyzing data on water utilization, community resilience, and economic growth, the program can make evidence-based decisions for continuous improvement.

Lessons Learned and Best Practices:

The GLSCRП generates valuable insights and best practices that contribute to future climate resilience initiatives in Giyani and beyond. This section highlights key lessons learned during program implementation. By sharing these lessons with stakeholders, policymakers, and practitioners, the GLSCRП enhances knowledge and understanding of effective approaches to climate adaptation and water use in a changing climate.

Objectives and Collaborative Partnerships

The primary objectives of the GLSCRП are to enhance water utilization efficiency, improve water access and sanitation, strengthen community resilience, and promote sustainable livelihoods in the Giyani region. To achieve these objectives, the program engages with key stakeholders, including the Limpopo Premier's Office, the National Department of Water and Sanitation, the Mopani District Municipality and the Greater Giyani Municipality, COGSHTA, SALGA, Provincial Disaster Management, the Limpopo Department of Agriculture and Rural Development (LDARD), the Limpopo Department of Economic Development, Environment, and Tourism (LEDET), local councillors, traditional authorities, community leaders, the agriculture sector (both public and private entities), and small businesses, local traders, cooperatives, subsistence, commercial, and smallholder farmers.



The Giyani Local Scale Climate Resilience Programme (GLSCRП) is an innovative initiative aimed at enhancing water utilization, building community resilience, and promoting sustainable economic growth in the Giyani region.

Through collaborative partnerships, innovative solutions, community engagement, and rigorous monitoring, the program strives to address the challenges posed by climate change and ensure a more resilient and prosperous future for local communities.

By adopting a holistic and inclusive approach, the GLSCRП serves as a model for other regions grappling with climate-related water challenges, contributing to broader global efforts toward a sustainable and climate-resilient future.