



TRANSFORMING

A PATH TO RESILIANCE

In 2021, the Greater Giyani local municipality, recognized as a priority area by the president, was chosen as a pilot site to showcase the initiation of local-scale resilience building. This ground breaking initiative involved active participation from provincial, local government, and community stakeholders. The municipality, characterized by its rural-residential communities and limited municipal services, was specifically selected due to its urgent water stress challenges and low employment rates. Hence, the Giyani Local Scale Climate Programme (GLSCRP) was carefully crafted to bring about positive empowerment and socioeconomic opportunities for approximately 5000 community members, spanning from January I, 2022, to December 3I, 2024.



Local scale resilience refers to the actions taken by individuals and organizations in their day-to-day lives to reduce vulnerability. In the context of climate resilience, it involves adopting measures to cope with the impacts of climate change, such as increased temperatures, reduced rainfall, crop losses, and income reductions.

Planning for Local Scale Resilience

Planning and implementing climate resilience require the active participation of those directly affected by climate change. Community involvement and support from local government, including integrated planning policies and assistance in income generation and training, play crucial roles.

Other partners, such as the Departments of Agriculture and Health, private businesses, and NGOs, contribute fundingand expertise.

Building climate resilience is a collaborative effort involving various stakeholders working together.

The GLSCRP engages in collaborative initiatives across nine pilot sites, complementing municipal infrastructure programs.

These initiatives focus on three key areas.

Strengthening an Enabling Environment:

Mobilizing local authorities, institutions, communities, and market players to improve climate resilience and water utilization in selected communities.

Improving Energy and Water Solutions:

Developing energy and water solutions that optimize and diversify water sources, including solar energy and exploring Water, Energ y,Food (WEF) opportunities.

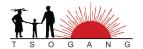
Supporting Local Economic Development:

Promoting new models and partnerships that drive local economic development, empowering communities to enhance their livelihoods.









BUILDING RESLIENCE TOGETHER

The Giyani Local Scale Climate Programme (GLSCRP) is a proactive and collaborative effort to build local-scale resilience in Greater Giyani Local Municipality. Through empowering communities, promoting and development of sustainable agriculture, improving water solutions, and fostering economic development, the program aims to create a more resilient and prosperous future for the people of Giyani.



Key Area One

Building Capacity for Resilience

To foster an enabling environment and enhance capacity for climate resilience and water utilization, the GLSCRP focuses on strengthening key communities and stakeholders in Giyani through the following measures:

Local Government Capacity Building Framework:

Developing a framework to guide local government in integrating resilience practices into policies, strategic plans, and Integrated Development Plans (IDPs).

Resources Pack:

Providing a resources pack to support local government and communities in implementing resilience-building practices, including practical guides such as policy briefs, handbooks, and posters. Developing comprehensive guidelines for the installation, operation, and maintenance of resilience tools, ensuring standardized practices and effective infrastructure utilization. **Developing Social Structures and Institutions:**

Establishing social structures and institutions to foster collaboration and community participation in resource development and decision-making processes.

Tracking Learning:

Documenting case studies, challenges, and solutions to promote continuous learning, enabling stakeholders to adapt and improve resilience-building efforts.

Key Area Two

Improving Infrastructure

Enhancing water security and climate resilience in Giyani is a top priority for the Giyani Local Scale Climate Programme (GLSCRP). Through infrastructure improvements, we aim to maximize water services and capitalize on water-energy-food opportunities.

Take a look at the initiatives we're implementing:

Solar Systems Installation:

Harnessing the power of the sun to reduce reliance on the power grid, lower costs, and ensuresustainable water services.

Borehole Equipment Installation:

Revitalizing dysfunctional or under-operating boreholes to improve water availability during scarcity.

Borehole Testing:

Thoroughly testing boreholes to promote sustainable water use practices and effective water management during water stress.

Drip Irrigation:

Implementing drip irrigation systems to conserve water in food production and maintain agricultural productivity.

Systems Operation and Maintenance Training:

Equipping communities with the knowledge and skills needed to operate and maintain water infrastructure effectively.

Earth Dam Refurbishment:

Extending water storage capacity into the dry season by refurbishing earth dams, ensuring improved water availability for agriculture and households. **Small Water Treatment Plants**:

Establishing small water treatment plants to purify saline and polluted water sources, providing clean and safe water to communities.

Animal Drinking Troughs:

Implementing animal drinking troughs to prevent water source contamination and ensure water availability for multiple uses.



Key Area Three

Promoting Local Economic Resilience

The GLSCRP recognizes the importance of supporting local economic development and aligning it with a post-project sustainability strategy. We provide various forms of support to empower local entrepreneurs and enhance economic resilience, including:

Training and Capacity Development:

Offering business training programs, workshops, and support for expansion and strategic planning to equip entrepreneurs with the skills and knowledge needed to succeed in a changing climate.

Strengthening Networks for Collaboration:

Fostering partnerships and collaboration among farmers associations and cooperatives to promote knowledge sharing and collective action, enabling small-scale farmers to access resources, markets, and support systems.

Innovation and Technology Implementation:

Introducing simple and cost-effective technologies to enhance productivity and ensure food security, empowering farmers to adapt to water scarcity and other climate-related challenges.

Agro Processing

Providing support for food preservation and processing initiatives to add value to agricultural products, extend their shelf-life, access new markets, and generate additional income.

Branding and Packaging Training:

Delivering training in branding and packaging techniques, improving market access, and promoting the growth of local businesses.

Hydroponic Farming Modules:

Installing water-efficient and nutrient-recycling systems to promote sustainable farming practices, efficient use of water resources, and maximization of crop yields.

Wastewater Recycling for Small Enterprises:

Setting up demonstration modules for wastewater recycling to encourage water reuse, particularly for small-scale enterprises, promoting water conservation and supporting economic activities.

The Plant-in-a-Bag System:

Enabling individuals and communities to grow their own food in resource-limited environments using low-water and nutrient-efficient farming systems.

Business Registration Support:

Assisting small businesses in the registration process, enabling them to formalize their operations and access relevant support services.

Supply Chain Database:

Establishing a supply chain database to connect farmers with potential buyers, promote consumption of locally produced goods, and support low-input farming practices.

Village Loans and Savings Associations:

Supporting proof-of-concept initiatives for self-organizing and sustainable water infrastructure maintenance through village loans and savings associations, encouraging community-driven efforts to ensure the longevity of water infrastructure.

Together,
we can build
a resilient
and prosperous
future for
Giyani.











Partnerships and Collaborations

Working Together for Resilience

Collaboration plays a pivotal role in the GLSCRP, bringing together diverse stakeholders to address resilience building, livelihoods, and water security. Partnerships are formed through extensive consultation and negotiation, involving practitioners, technical staff, and management from various institutions. The significance of some key partnerships within the GLSCRP includes:

Farmer Grant Support:

Partnership between the Department of Agriculture (DoA), Water Research Commission (WRC), and AWARD to provide grants to small-scale farmers, enabling them to adopt climate-smart agricultural practices and improve resilience.

Local Scale Wastewater Management Systems:

Collaboration between Mopani District Municipality (MDM), PRANA, and WRC to develop demonstration projects for local government-led wastewater management systems, promoting sustainable water management practices and community resilience.

Village Water Supply Interventions:

Partnership involving MDM, Tsogang, WRC, and Village Water Committees to implement appropriate technology and management strategies for village water supply, ensuring access to clean and reliable water sources, particularly in water-stressed environments.

Provincial Agri Expo:

Collaboration between MDM, LDARD, WRC, and AWARD to establish an annual agricultural expo showcasing projects and innovations, promoting knowledge sharing, and encouraging the adoption of climate-smart agricultural techniques.

Farmers Markets:

Partnership between MDM, GGLM, Mopani Farmers Association, and local entrepreneurs to support the establishment of farmers markets, facilitating direct access to consumers, promoting local produce, and enabling sustainable livelihoods in the face of climate change.

Small Business Support:

Collaboration involving Coca-Cola, MDM, GGLM, and LED to provide "Business in a Box" support to small businesses, offering training, mentorship, and resources to enhance entrepreneurial resilience and promote sustainable business practices. These partnerships demonstrate the combined expertise and resources brought together within the GLSCRP, working collectively to address specific challenges and build a climate-resilient future forthe people of Giyani.





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