

Strengthening the adaptation capacity of industry for a green and resilient economy in South Africa



CAPACITY BUILDING WORKSHOP

Climate Adaptation and Resilience in Agriculture and Agroprocessing

Date: 3 December 2024
Time : 09 :00 – 15:00
Venue: Garden Court Kings Beach , Gqeberha

Background

Climate change poses significant challenges to agriculture and agroprocessing, with increased droughts, unpredictable rainfall, and extreme weather disrupting crop cycles and threatening livelihoods. These changes impact the entire agricultural value chain, from field productivity to the consistency of agroprocessing inputs, thus affecting food security

This one-day workshop aims to empower farmers, agroprocessors, community leaders with the knowledge and tools to build climate resilience. The objectives are to help participants:

- Understand local climate risks and vulnerabilities.
- Learn practical, climate-resilient agricultural and processing techniques.
- Foster innovation to solve climate-related challenges locally.
- Build networks for collaborative resilience efforts.

Participants will leave with actionable strategies and connections, equipping them to implement resilient practices and support food security and economic stability in their communities.

The workshop will be presented under the project: ***Strengthening the adaptation capacity of industry for a green and resilient economy in South Africa (SAIA)***

Programme

Facilitator: Mr Mchenge Nyoka

| Time | Session Title | Details | Speaker/Facilitator |
|-------------|---|--|-------------------------------------|
| 08:30–09:00 | Registration and Welcome | Participants register and enjoy refreshments. | - |
| 09:00–09:15 | Welcome & Opening Remarks | Opening by the dtic, Government of Flanders, and UNIDO on SAIA's role. | dtic, Government of Flanders, UNIDO |
| 09:15–09:45 | Sector Overview: Climate Resilience in Agriculture and Agroprocessing | Insights into local challenges and opportunities in the sector. | University of Johannesburg |
| 09:45–10:30 | Case Study: Climate-Resilient Agriculture and Agroprocessing | Presentation on Project Imifino followed by Q&A. | TaylorMade Water Solutions |
| 10:30–10:45 | Break | Tea/Coffee | - |
| 10:45–11:30 | Interactive Polling: Climate Resilience Strategies | Polling via Mentee App and group discussion of results. | Facilitator |

| | | | |
|-------------|--|--|---|
| 11:30–12:00 | Practical Techniques for Climate Resilience | Tools and techniques to enhance resilience in agriculture and agroprocessing. | VITO |
| 12:00–12:30 | Agroforestry and the Water, Energy, Food (WEF) Nexus | Adapting to climate change through agroforestry for food security and income generation. | Dr Phokele Maponya, Agricultural Research Council |
| 12:30–13:30 | Lunch Break | Networking opportunity. | - |
| 13:30–14:00 | Climate Data for Decision-Making | Utilizing data to plan resilience in agriculture. | CSIR Representative (TBC) |
| 14:00–14:30 | Advanced Solutions in Agroprocessing | Case study of innovative techniques and technologies. | VITO |
| 14:30–14:50 | Interactive Session | Collaborative activity to develop practical implementation steps. | Facilitator |
| 14:50–15:00 | Summary and Closing Remarks | Key takeaways and action points for future collaboration. | UNIDO |

About the SAIA project

Overarching development objective: To accelerate the transition to a green economy, a decarbonized industry, and a vibrant and inclusive job market in South Africa. This will lead to a reduced environmental footprint of industry, higher climate resilience and the creation of green jobs.

Focus: Water and energy nexus projects in the agro-processing sector.

The project addresses the barriers that are currently hampering an accelerated adoption of measures and technologies on climate adaptation, and enables the private sector to capitalize on the opportunities to shift towards a green economy. This is being done through:

- technology upgrades in pilot enterprises in order to showcase the benefits of a climate-resilient approach in an industrial context;
- nurturing the green innovation potential in industry to trigger a continued innovation dynamic; and
- strengthening strategic partnerships with academia, industry and umbrella organizations to sustain and scale-up climate-resilient approaches across the economy.

The project is implemented by UNIDO, in collaboration with the National Cleaner Production Centre – South Africa (NCPC-SA) and the Technology Innovation Agency (TIA).

Enquiries and registration

There is no charge for attendance, but registration is essential.

Enquiries

Mchenge Nyoka, m.nyoka@unido.org

Petro de Wet, p.dewet@unido.org

Registration

Nikola Niebuhr, n.niebuhr@unido.org