



Environment and Climate Sustainability Working Group (ECSWG)



WEBINAR

G20 Environment and Climate Sustainability Working Group (ECSWG) & G20 Bioeconomy Initiative

Biodiversity Economy and Sustainable Use



South Africa's G20 Presidency,
December 2024 - November 2025



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**forestry, fisheries
& the environment**
Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

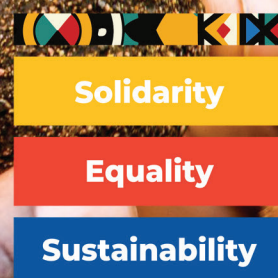


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Webinar Title: Community-Driven Circularity: Waste Management and Resource Efficiency in the Tyefu Community *Aloe ferox* Harvesting, Processing and Trading Hub, South Africa

Introduction

Aloe ferox grows naturally across South Africa's Eastern and Western Capes, with established value chains and offshore markets. In the Eastern Cape, it is harvested on community land in Tyefu, a region of 10 villages under Chief Sizwe Msutu in the Ngqushwa Municipality. Through the support of the Global Environment Facility, an *Aloe ferox* sustainable harvesting, processing and trading Hub in Tyefu is being piloted, to secure livelihood benefits and ensure conservation and sustainable supply of Aloe for future harvesting. The project also embodies circular economy principles through innovative waste management and resource optimization strategies, thus, providing a closed-loop system to reduce waste, conserve resources, and support biodiversity while contributing to climate resilience and sustainable agriculture.

Purpose of the Dialogue:

- Provide the Tyefu Community *Aloe ferox* Harvesting, Processing and Trading Hub, as a case study that adopts and pilots a systems developmental model with local communities.
- Highlight practical examples of resource-efficient and circular economy technologies in the context of community-based innovation on indigenous biodiversity.
- Facilitate knowledge-sharing to support policy development, investment attraction, and local innovation.

Webinar Format and Structure

Date: 13 August 2025
Duration: 90 minutes (14:00–15:30 SAST)
Format: Virtual participation
Target Audience: G20 Members, Public sector, project developers, private sector, financial institutions, IPLCs, knowledge institutions, development partners

RSVP: Ms Suzan S. Khoza, Email: SKhoza@dffe.gov.za on or before 11 August 2025; RSVPs will be secured on a first come basis and the MS Teams link will be shared accordingly.

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AGENDA

Programme Director: Preshanthie Naicker-Manick, DFFE

TIME ALLOCATION	SESSION	PRESENTER
14:00 – 14:10	Opening Remarks - Welcome and Context Setting	Khorommbi Matibe, Chief Director: Biodiversity Economy and Sustainable Use, DFFE
14:10 – 14:25	Introduction to the case study: Tyefu Aloe harvesting, processing and trading hub	Nonhlanhla Skosana, Associate, UNDP
14:25 – 14:40	Aloe waste composting and Water Reuse in Sustainable Agriculture	Phatheka Ndzotoyi, Project Manager, CSIR
14:40 – 14:55	Panel discussion: A holistic approach in driving sustainability in an emerging economy	Sector focal points
14:55 – 15:25	Interactive Discussion & Q&A- Participant engagement through clarification questions, strategic implementation suggestions, and expressions of interest in collaboration	ALL
15:25 – 15:30	Closing Remarks	Nthabiseng Motete, Executive Cluster Manager: Advanced Agriculture and Food, CSIR