



# UNDP-GEF 6: DEVELOPMENT OF VALUE CHAINS FOR PRODUCTS DERIVED FROM GENETIC RESOURCES IN COMPLIANCE WITH THE NAGOYA PROTOCOL ON ABS AND THE NBES

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*Empowered lives.  
Resilient nations.*

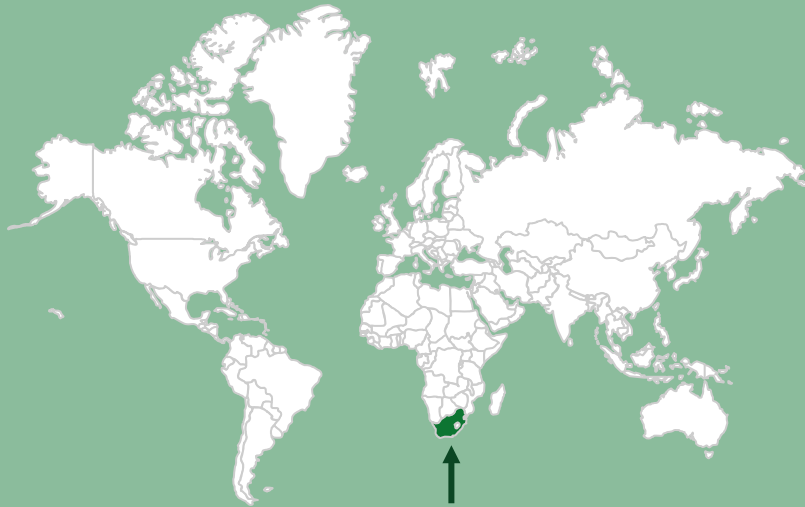


forestry, fisheries  
& the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA



# South Africa is the 3rd most biodiverse country in the world



South Africa

**2%** of the world's land area

**7%** of the world's reptiles, birds and mammals



**10%** of the world's plants



**15%** of the world's coastal marine species

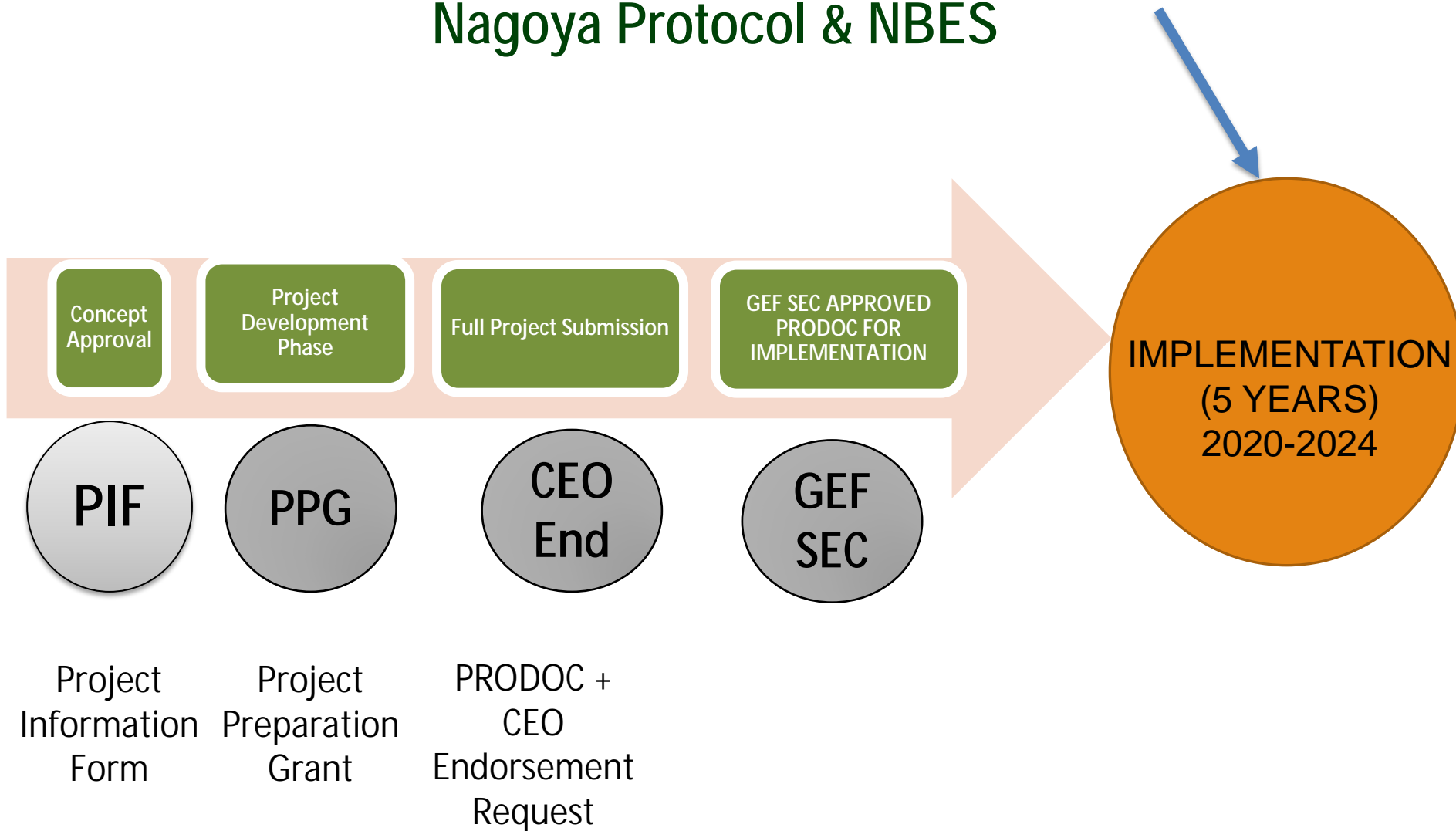


# Biodiversity Economy

“The biodiversity economy of South Africa encompasses the business- and economic activities that either directly depend on biodiversity for their core business or that contribute to conservation of biodiversity through their activities.”

Adopted from: Van Paddenburg, A., Bassi, A., Buter, E., Cosslett C. & Dean, A. 2012. Heart of Borneo: Investing in Nature for a Green Economy

# UNDP-GEF 6: Development of value chains of products derived from genetic resources in compliance with the Nagoya Protocol & NBES



# The project is multi-stakeholder type, and is lead by the DFFE

- **DFFE** – **Implementing Partner** – Project management and financial accountability
- **Responsible Party** (**ARC, CSIR, DSI, SANBI, TRAFFIC, TYEFU**) – responsible for delivering key project interventions
- **Project Board** – Management decision-making by consensus to guide the Project Manager/Team
- **UNDP** – **GEF Implementation Agency** – Monitoring, Oversight and Quality Assurance
- **PMU** - **Project management**, supported by technical specialists (consultants) as appropriate

# Project Objective

To strengthen the **value chains** for products derived from **genetic resources** that contribute to the **equitable sharing of benefits** and the **conservation of biodiversity**

# Project Components advances the sector and plant based value-chains



## 1. BIOPROSPECTING R&D

Research and development of products in line with Nagoya Protocol's definition of the utilization of genetic resources



## 2. VALUE CHAIN DEVELOPMENT

Cooperation models for the conservation of, and commercial trade in, indigenous bioproducts



## ABS CAPACITY BUILDING OF KEY STAKEHOLDERS

Bioprospecting and value addition knowledge transfer for an equitable benefit sharing

# 1. BIOPROSPECTING R&D

Research and development of products in line with Nagoya Protocol's definition of the utilization of genetic resources



R&D barriers linked to clinical studies and registration of African Ginger (*Siphonochilus aethiopicus*) as a bio-resource to treat inflammatory and allergic diseases are systematically overcome in an ABS-compliant manner.



Bioprospecting R&D in the Northern Cape is supported, boosting the local bio-economy and establishing a strategically located '*Bioproducts Development Hub*'.

## ***Integration & Sustainability:***

- Ø District level community conservation project involving cultivation of African ginger to supply market needs. Partners: SANBI and SANParks.
- Ø Integrated into National Department of Tourism integrated development plan for Northern Cape Province.



## 2. VALUE CHAIN DEVELOPMENT

Cooperation models for the conservation of, and commercial trade in, indigenous bioproducts



∅ *Pelargonium BMP review:* The implementation of the BMP is supported in close collaboration between the Pelargonium Working Group, community businesses and CSO stakeholders.



∅ *Tyefu Aloe ferox trading hub:* A local public-community-private partnerships in the cultivation, harvesting and trading of *Aloe ferox* products is piloted promoting sustainability and equitable benefit-sharing across the value chain.



∅ **Honeybush Grant:** Community-based enterprises in honeybush farming is supported, ensuring conservation and equitable benefit sharing outcomes across the (*Cyclopia spp.*) in the Cape Region

∅ *The ABS implementation in Rooibos farming is strengthened* ensuring, fairness, equity and sustainability in relevant relationships among TK holders and industry.

### ***Integration & Sustainability:***

- ∅ Lessons learned from the *Aloe ferox* cultivation, harvesting and trading hub to feed into CITES Sustainable livelihoods working group.
- ∅ Contribute to the DIRCO's IBSA platform
- ∅ Domestic Policy and Legislation review.
- ∅ Contribute to the implementation of the relevant sector development plans from the ABIOSA project

### 3. ABS CAPACITY BUILDING OF KEY STAKEHOLDERS

Bioprospecting and value addition knowledge transfer for an equitable benefit sharing



*The National Recordal System for TK linked to bioprospecting is supported* for ensuring ABS compliance in current and future agreements between indigenous and traditional knowledge holders and industry.



*A biotrade standard and certification system* for South Africa is developed in view of safeguarding biodiversity conservation within bioprospecting value chains.



#### ***Integration & Sustainability:***

- Ø Application for the 7<sup>th</sup> SA-EU policy dialogue facility – A framework for a RSA Biotrade standard, and its contribution to African and EU free trade areas.
- Ø Learnings from the BioInnovation Africa project to guide the development of the Biotrade standard.

# By the year 2024:

- Ø ABS compliant R&D on African ginger with safety clinical trials finalized for the registration of African ginger as a complimentary medicine.
- Ø The supply of African ginger strengthen through community cultivation projects.
- Ø A Bio-products development Hub operational and supporting local suppliers in the Northern Cape Province.
- Ø *P. sidoides* BMP reviewed and prepared for implementation.
- Ø A community owned *Aloe ferox* trading Hub piloted.
- Ø The supply of Honeybush strengthened through grant finance, and illegal sourcing curbed.
- Ø Compliance to ABS legislations eased through an operational national IKS documentation system.
- Ø A biotrade standard developed with relevant implementation mechanisms.

# THANK YOU

We look forward to collaborating further to take South African ingredients to the world sustainably!

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Thank You