







ABioSA supports

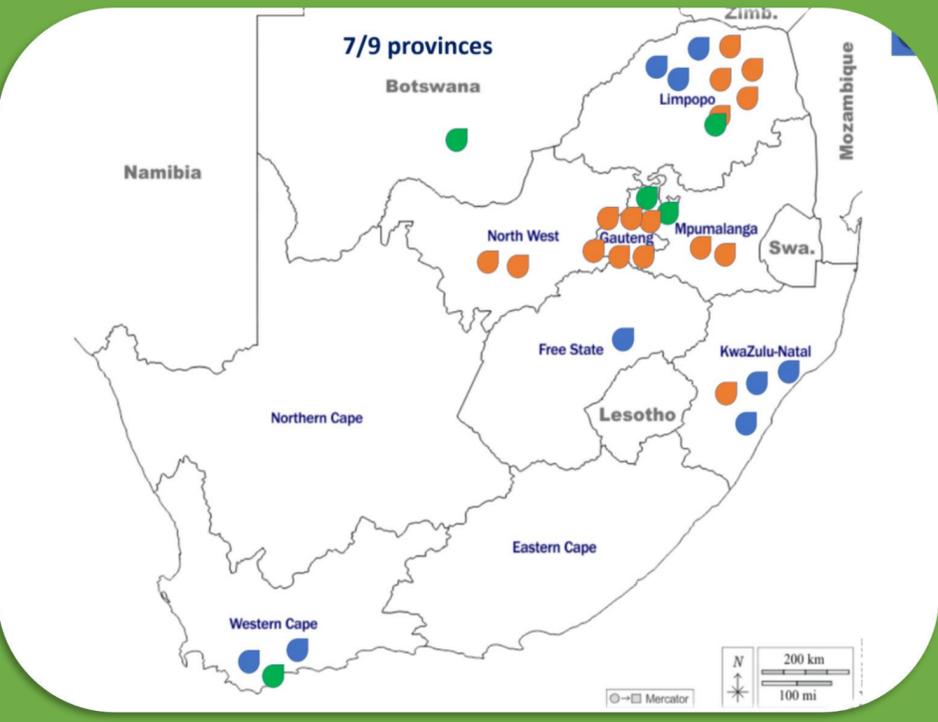
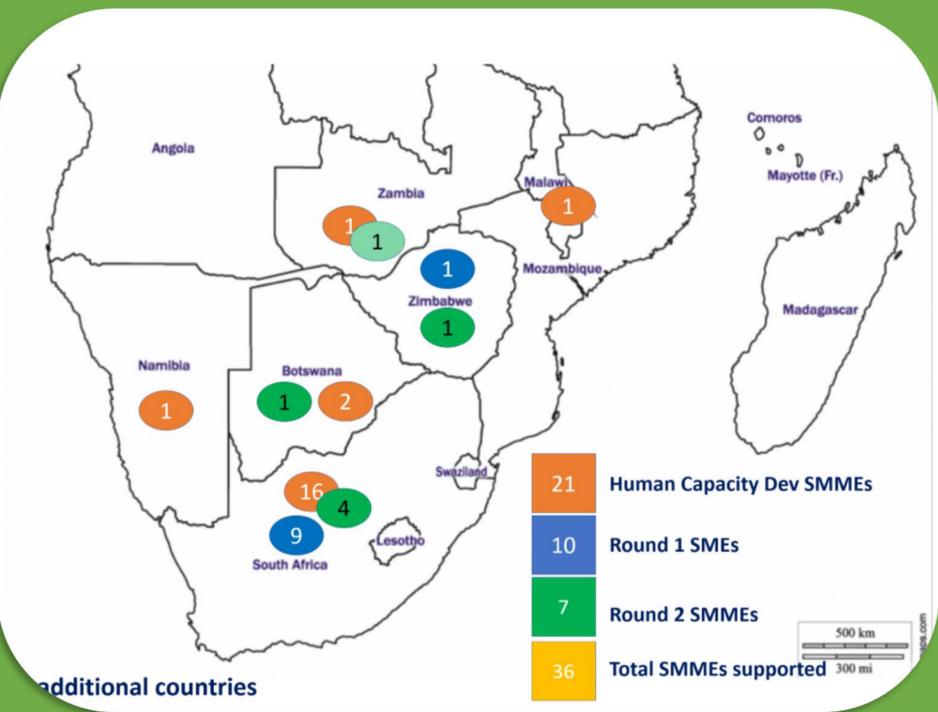
- 70% South Africa & 30% Southern African
- Sustainable and productive use of indigenous plants
- Value additional of biotrade ingredients and products
- SMMEs to become investment ready
- SMMEs to overcome market access hurdles
- Benefit sharing within biotrade value chains
- Livelihoods of rural/indigenous people

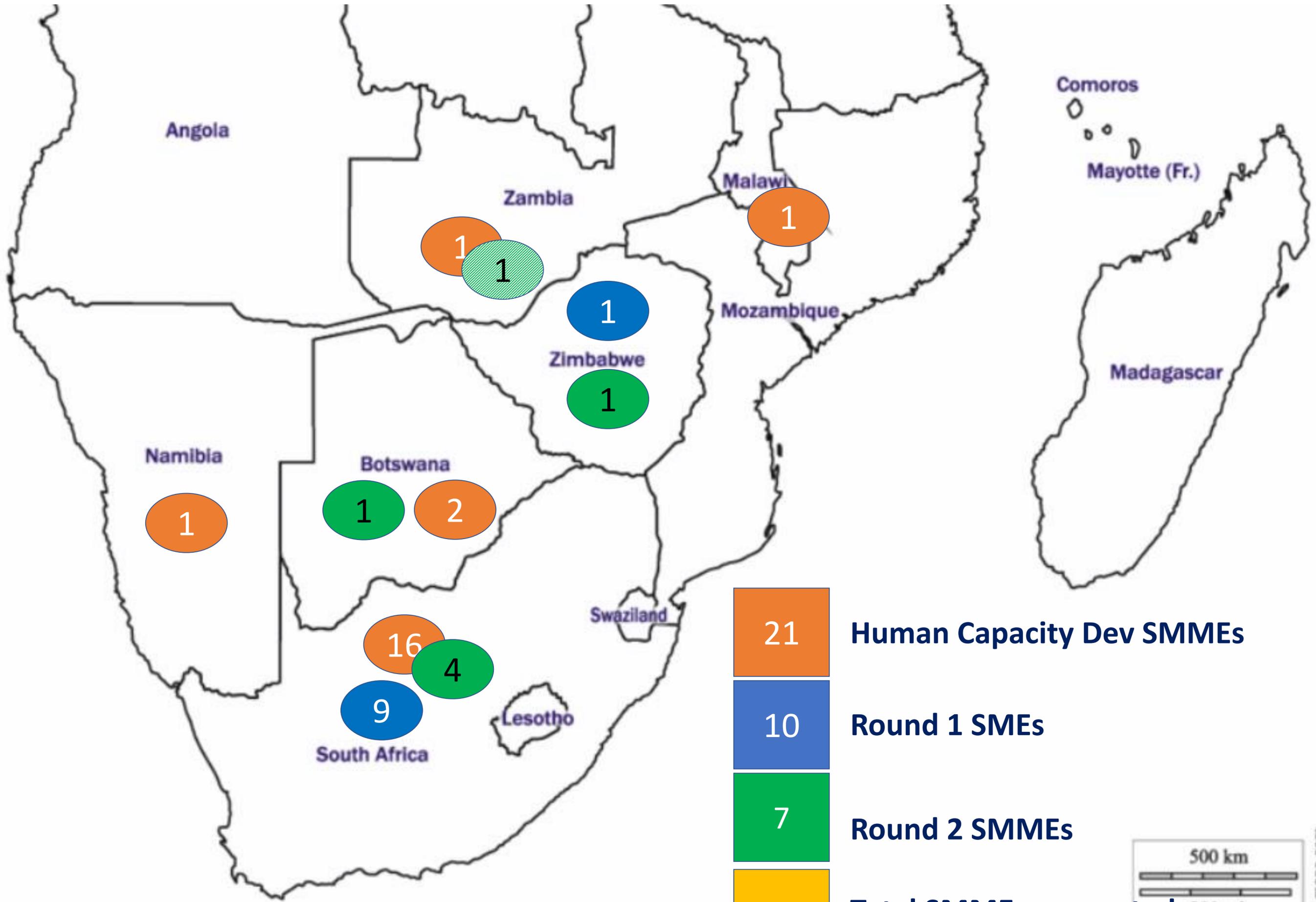


SMMEs supported during ABioSA phase I

21 SMMEs trained as part of the capacity development programme

16/17 SMMEs supported by the ABioSA Innovation Fund to access new markets, develop new products and increase capacity

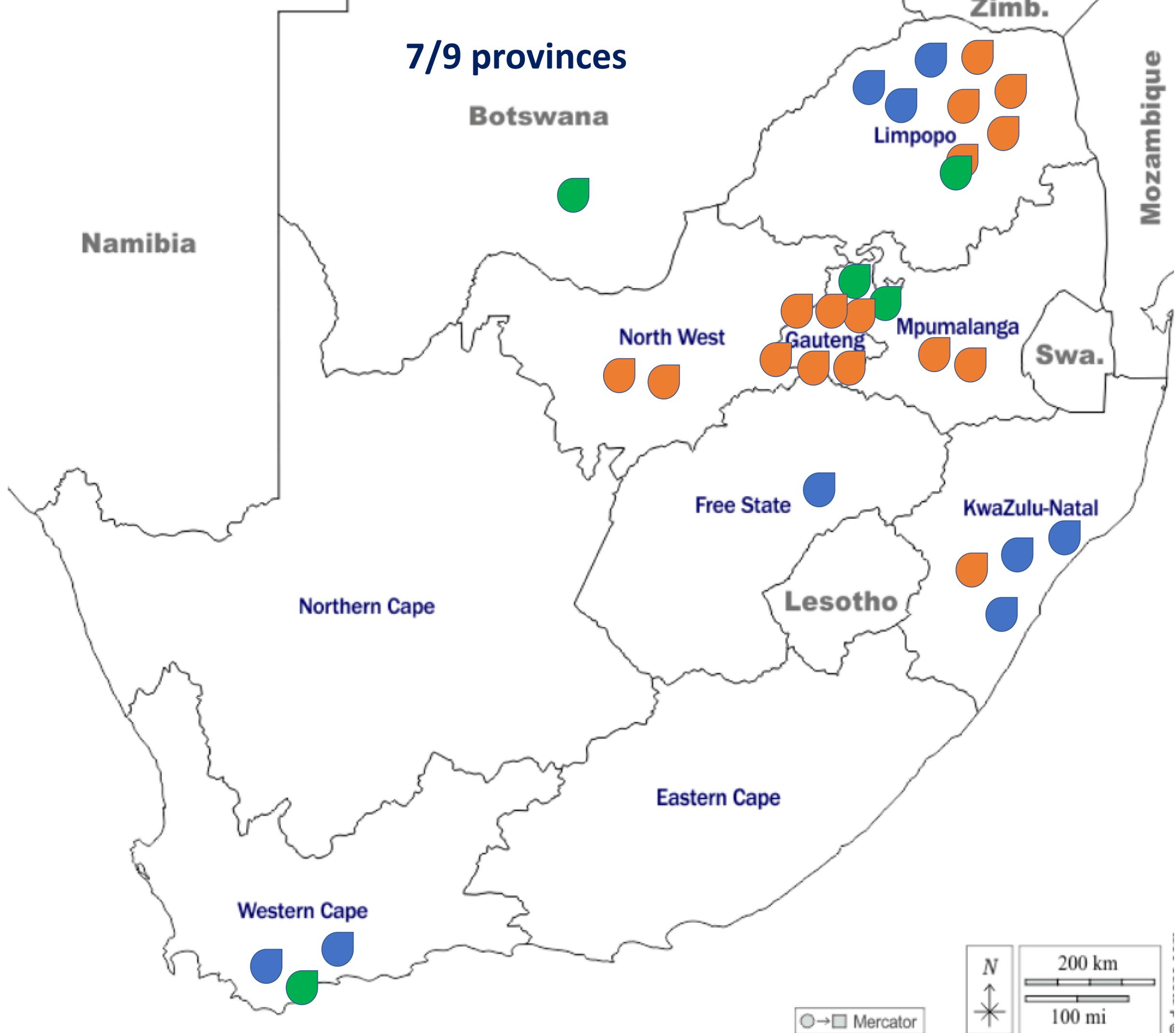




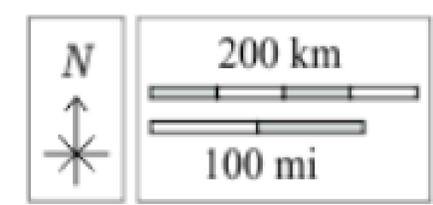
5 additional countries



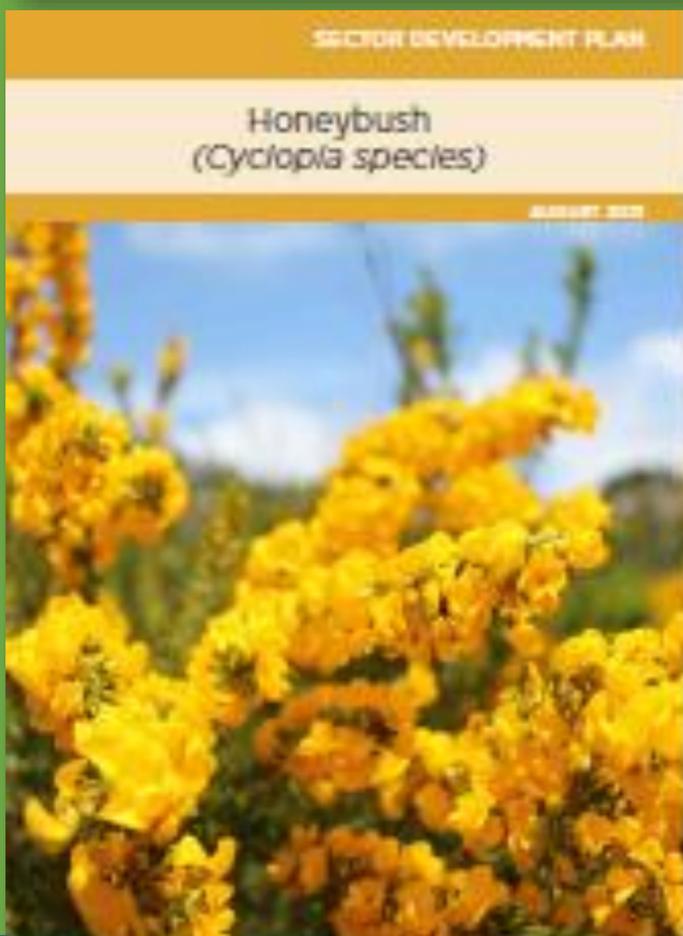
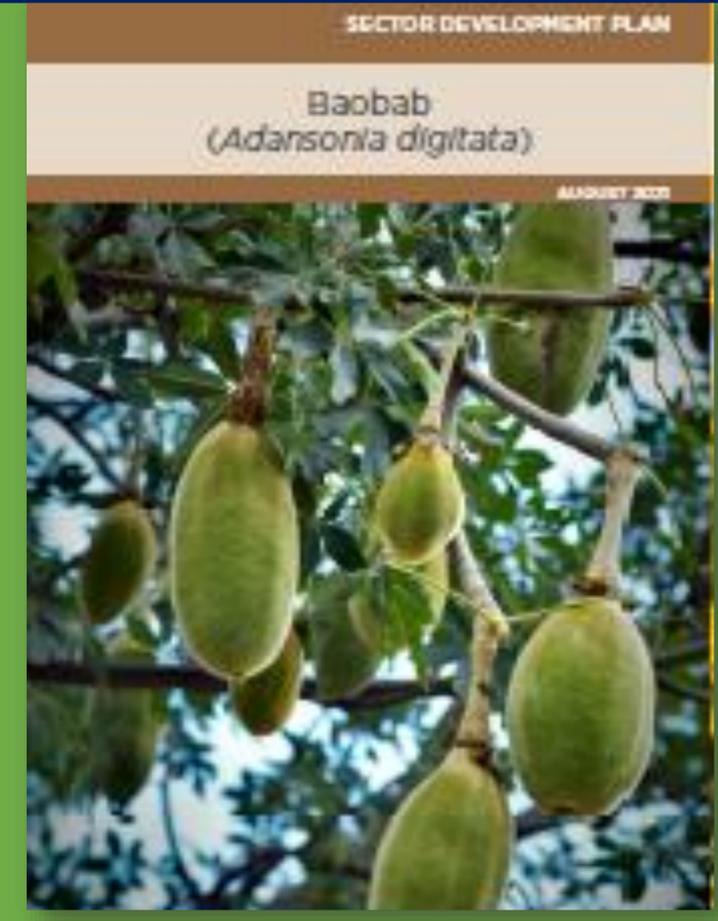
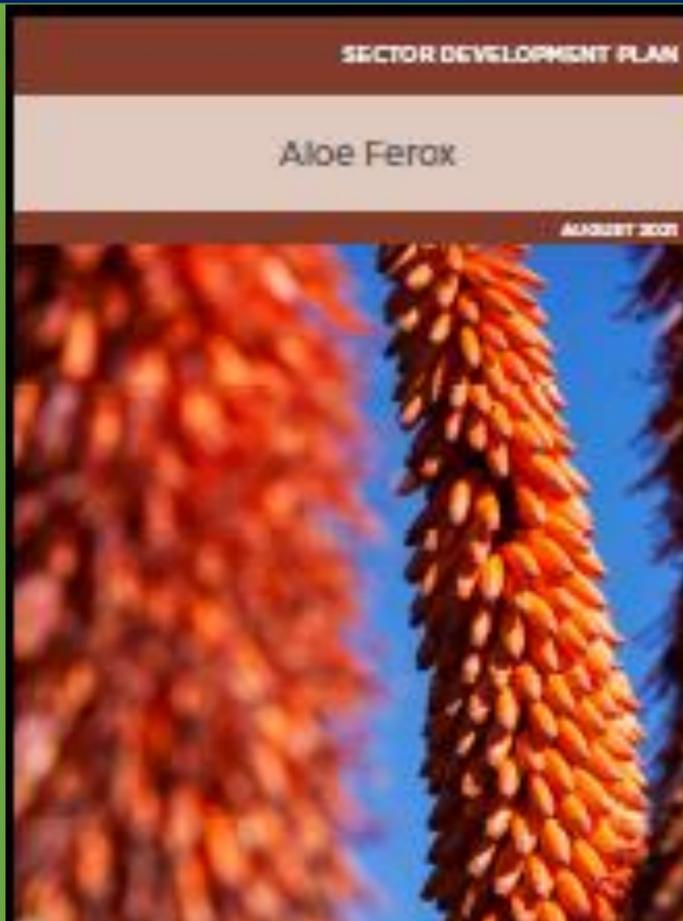
7/9 provinces



○→□ Mercator



6 Sector Development Plans





Briefs, guides, case studies etc.

Report on the first regional workshop on a Marula sector development plan
Windhoek: 4 & 5 November 2019

environmental affairs
Department of Environmental Affairs
REPUBLIC OF SOUTH AFRICA

THE ABS CAPACITY DEVELOPMENT INITIATIVE

South African Republic of Namibia
Ministry of Agriculture, Forestry and Fisheries
Windhoek

State Secretariat for Economic Affairs SED

MARULA MARKET ACCESS

Accessing international markets for Marula fruit & oil

TECHNICAL BRIEF 1 APRIL 2020

This technical brief is produced by the ABS Compliant Bioproducts in Southern Africa (ABiSA) project. It is focused on Marula (*Sclerocarya birrea* subsp. *camel*) fruit pulp and seed oil for food use. It is intended for ABiSA partners, the Marula business community, indigenous people & local communities (IPLCs), government and its agencies, trade associations & cooperatives, research institutions, investors and funders.

Future Marula technical briefs will cover quality standards & relative supply, conservation & sustainable use, policy & regulations and beneficiation & product development. The ABiSA project will also distribute technical briefs on other species, and other consumer product or ingredient markets such as cosmetics.

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OIL CHEMISTRY

Basic oil chemistry for producers of indigenous oils
A guide to testing, analysis and quality production

ABiSA TRAINING MANUAL FEBRUARY 2021

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COMPLIANCE

Order of analyses for cosmetic products
Ensuring safety and compliance in the EU market

ABiSA GUIDE FEBRUARY 2021

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VALUE CHAINS

Collaborative models for sustainable biotrade
Outgrowers, hubs and aggregators

ABiSA CASE STUDY FEBRUARY 2021

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Windhoek

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MARKET ADVANCEMENT INITIATIVE
SOUTH AFRICA

Market information summaries
China

Cosmetics
June 2021

Photo by Karthik Gokulakrishnan from Pexels

MARKET ADVANCEMENT INITIATIVE
SOUTH AFRICA

Market information summaries
Europe

Cosmetics
June 2021

Photo by Marko Berman from Pexels

MARKET ADVANCEMENT INITIATIVE
SOUTH AFRICA

Market information summaries
China

Health foods and nutrition
June 2021

Photo by Pexels

MARKET ADVANCEMENT INITIATIVE
SOUTH AFRICA

Market information summaries
Europe

Health foods and nutrition
June 2021

Photo by Maria Bracco from Pexels

Community engagement



Preparing Southern African communities to understand, share and benefit from the use of their Traditional Knowledge and natural resources

ACCESS AND BENEFIT-SHARING TOOLKIT

Communities connected to: ALOE FEROX



Preparing Southern African communities to understand, share and benefit from the use of their Traditional Knowledge and natural resources

ACCESS AND BENEFIT-SHARING TOOLKIT

Communities connected to: BUCHU



Preparing Southern African communities to understand, share and benefit from the use of their Traditional Knowledge and natural resources

ACCESS AND BENEFIT-SHARING TOOLKIT

Communities connected to: MARULA



BIODIVERSITY-BASED VALUE CHAINS

Access and benefit-sharing for people and nature



Biodiversity is the foundation for BioTrade value chains. Access and benefit-sharing (ABS) helps to ensure that these value chains contribute to conservation and sustainable use of biodiversity, and ultimately trigger socio-economic development. In this context, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH manages three projects hosted on this platform: The ABS Capacity

· PROJECTS ·

- 1 ABS CAPACITY DEVELOPMENT INITIATIVE
- 2 ABS COMPLIANT BIOTRADE IN SOUTHERN AFRICA (ABIOSA)
- 3 BIOINNOVATION AFRICA



General Information

ABIOSA

- PROJECT PHASE -

The ABioSA project phase one ran over the period from February 2018 – October 2021.

Phase two will run over the period from November 2021 – December 2024.

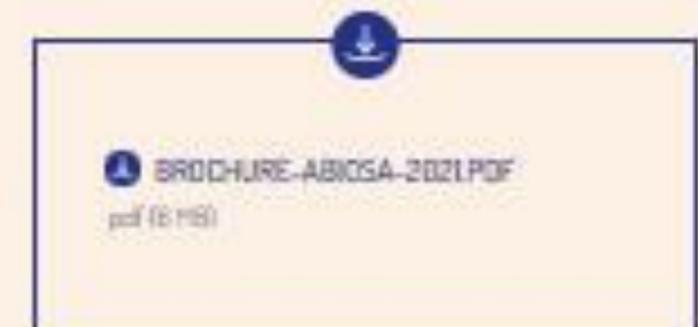
- FOCUS -

In phase one the ABioSA project worked with 13 biotrade value chains and plant species in southern Africa. The value chains and species were selected based on criteria including traditional knowledge, ecological sustainability, market demand, potential for value-adding and job creation, and opportunities for participation of small and medium enterprises (SME) and indigenous peoples and local communities (IPLCs).

Sector Development plans were developed during this time for the following value chains and plant species; marula, buchu, baobab, honeybush, aloe ferox and a cluster of essential oils being *Lippia javanica*, cape chamomile and helichrysum.

These 6 value chains and plant species and implementation of the sector development plans will be the focus of the second phase.

-  ACTIVITIES AND ACHIEVEMENTS
-  CONTACT AND TEAM
-  BIDTRADE GLOSSARY
-  REPOSITORY



ABioSA phase I summary report



Building African biotrade ABioSA project highlights



Image: GIZ/ABioSA/Jonathan Ross



SUMMARY REPORT

FEB 2018 - OCT 2021

2

ABioSA stayed true to its themes of traditional knowledge, ecological sustainability, market demand, potential for value-adding and job creation, and participation of small business and communities.

Building African biotrade

Phase I (Feb 2018 - Sept 2021) of the ABS Compliant Biotrade in South(ern) Africa (ABioSA) project has been successfully completed.

It worked mostly with 15 biotrade plant species and value chains and focused on productive use of plant biodiversity to create permanent and seasonal jobs in biotrade value chains, develop livelihoods for rural people and to boost the value of biotrade products in local and international markets.

Interaction at all levels of each value chain is necessary for the biotrade to work. ABioSA supported this through the collaborative creation of comprehensive sector development plans for six key biotrade species which will contribute to the strategic economic goals of our second phase.

ABioSA is proud to have given 15 small businesses technical and financial support to access new markets, develop new products and increase capacity. It provided training to 21 biotrade companies, helping them to become investment ready and overcome regulatory hurdles to export.

It is funded by the Swiss State Secretariat for Economic Affairs (SECO). ABioSA is implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, under the umbrella of the Access and Benefit-Sharing Capacity Development Initiative (ABS Initiative), in partnership with South Africa's Department of Forestry, Fisheries and the Environment (DFFE). ABioSA is hosted in the GIZ Centre for Cooperation with the Private Sector (CCPS), which hosts four regional/global programmes that support sustainable development for employment, economic growth and natural resources.

"ABioSA can be considered the first coherent focus around indigenous plant resources. The financial intervention alone is a lifeline to the sector."

ABioSA external evaluation report, 2021



Image: GIZ/Southern Africa/Jonathan Ross

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Biotrade definitions can be found in the [ABioSA glossary](#)

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THE ABS
CAPACITY
DEVELOPMENT
INITIATIVE



Swiss State Secretariat for Economic Affairs (SECO)
Economic Development Cooperation
and Development (EDC) Unit
Economic Development
Cooperation and Research (EDC)
Unit
SECO Secretariat for Economic Affairs (SECO)



VALUE CHAINS

COMPETITIVE

SYSTEMIC

MARKET ACCESS

INNOVATION

DIALOGUE

Sustainable use

Conservation

PROBLEM SOLVING

GROWTH

SECTOR-WIDE

FOCUSED

IMPLEMENTATION

ABioSA phase II

SOCIAL CHANGE

SAFE TO FAIL PILOT

TRANSFORMATIVE

GENDER RESPONSIVE

BENEFIT SHARING

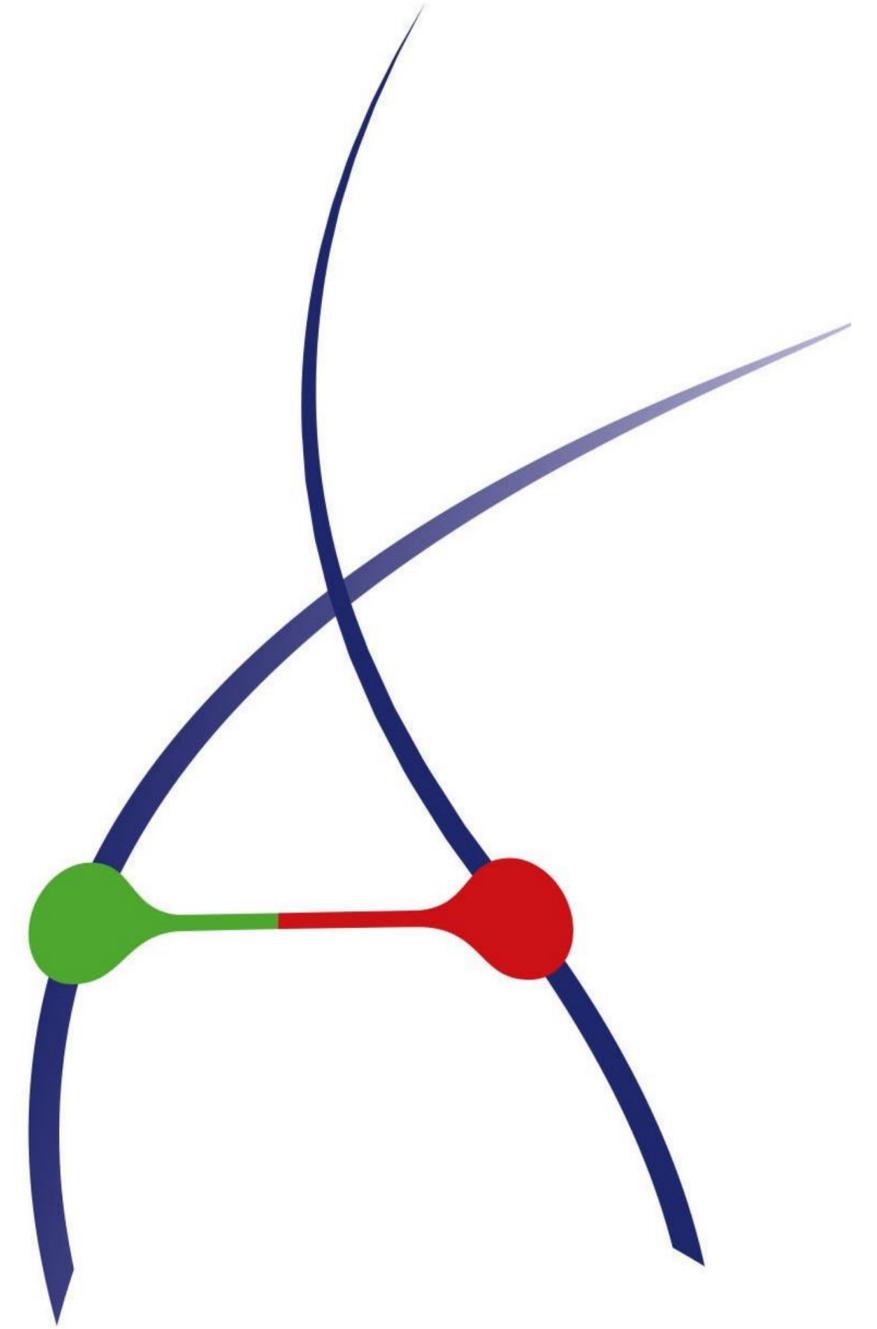
inclusive

LEARNING & ADJUSTMENT

COLLECTIVE MEMORY

SOCIAL COHESION

ABios



Focused approach

13 ABioSA target species



HONEYBUSH
(*Cyclopia* spp.)



ALOE FEROX



BAOBAB
(*Adansonia digitata*)



MARULA
(*Sclerocarya birrea*
subsp. *caffra*)



BUCHU
(*Agathosma* spp.)



UMSUZWANE
(*Lippia javanica*)



ROSE GERANIUM
(*Pelargonium* var. *Rose*)



IMPHEPHO
(*Helichrysum* spp.)



CAPE CHAMOMILE
(*Eriocephalus* spp.)



KALAHARI MELON
(*Citrullus lanatus*)



MAFURA
(*Trichilia emetica*)



SOUR PLUM
(*Ximenia americana* & *X. caffra*)



AFRICAN GINGER
(*Siphonochilus aethiopicus*)

6 Sector development plans



HONEYBUSH
(*Cyclopia* spp.)



ALOE FEROX



BAOBAB
(*Adansonia digitata*)



MARULA
(*Sclerocarya birrea*
subsp. *caffra*)



BUCHU
(*Agathosma* spp.)



UMSUZWANE
(*Lippia javanica*)



ROSE GERANIUM
(*Pelargonium* var. *Rose*)



IMPHEPHO
(*Helichrysum* spp.)



CAPE CHAMOMILE
(*Eriocephalus* spp.)

Phase II selection



HONEYBUSH
(*Cyclopia* spp.)



ALOE FEROX



BAOBAB
(*Adansonia digitata*)

Top 25 SA national species for cultivation

Top 7 SA national species for sustainable harvesting

Natural environment

Ingredients

Consumer products

Natural / social environment



- Biodiversity
- Ecosystem services
- Taxonomy, Botany
- Resource assessment
- Environmental mgmt. plans
- Rural economy structure

Plant species innovation



- Trad. Knowledge
- Scientific literature
- Phytochemistry
- Efficacy trials
- Intellectual Property (IP)
- Pre-processing, stocktaking
- Regulations (incl. ABS)

Raw material trade



- Sustainable production and harvesting
- Traceability (Organic) Certification
- QA & QC, R&D, standards
- Fair and ethical trade schemes

Ingredient manufacture



- Good manufacturing practices, factory standards
- Operations: skills, equipment, manufacturing
- Value addition / economics
- Financial management

Ingredient trade



- Export permits, logistics
- Distribution
- Market access compliance
- Marketing
- Sales, pricing, negotiations
- Business relations

Product innovation



- R&D, IP
- Product concepts
- Formulations
- Packaging & labelling
- Performance, efficacy
- Product regulatory compliance

Product manufacture



- Good manufacturing practices, factory standards
- Supply capacity economics
- Manufacturing technology
- QA & QC
- Finance and investment plan

Products marketing & sales



- Market intelligence
- Sales, distribution, Marketing
- Registration, approval
- Branding, IP
- Labelling compliance
- Business plan

Sector wide, SMME & community support

DFFE, the dtic, DSI, Provincial govt depts, SANBI, CSIR, TIA, SAEOPA, ABA, SIPPO, UNIDO GQSP, SSAIP, ABioSA, BIA, GEF6, SECO, GIZ etc.

Transformative change



In transformation, suitable paths to the goal are not fixed from the outset. They have to be found in the course of the transformation.



Innovation Project "Transformative Impact"



ABios

