



Biodiversity and Conservation

***TOWARDS A TRANSFORMED,
INCLUSIVE AND SUSTAINABLE
BIODIVERSITY ECONOMY SECTOR
FOR ALL***



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA



Mandate

The Department of Environmental Affairs draws its Mandate from Section 24 of the South African Constitution which **protects the environment for the present and future generations through measures that conserve, protect and advance the sustainable utilization of South Africa's Terrestrial and Marine Biodiversity; regulation of environmental impacts on soil, water & air; and the promotion and encouragement of sustainable Development through various mechanisms including advocacy.**

Vision

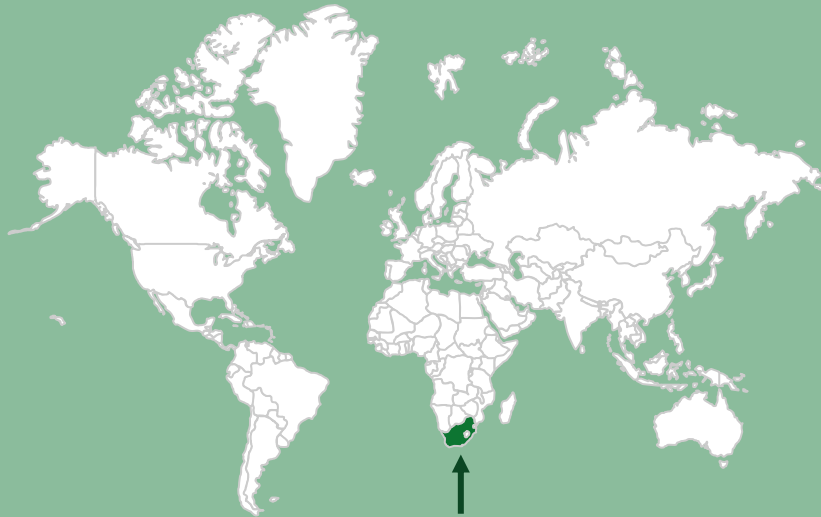
A prosperous and equitable society living in harmony with its natural resources.

Mission

Inspired by its conviction to transform the environmental sector within the context of a developmental state – which focuses on facilitating and supporting the planning and sustainable growth of economic activity in green sectors,

DEA's mission is to provide leadership in environmental management, conservation and protection towards sustainability for the benefit of South Africans and the global community

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



Bioprospecting sector overview

Revenue

Resources



R 0.26 b

- Both wild harvesters and farmers supply the sector
- The market is largely focused on plant resources

Processing and trade



R 0.92 b

- Primarily trade in indigenous plant species, of which 70% are exported as raw materials
- Operate in two categories
 - Trade of raw and semi-processed materials
 - Development and sale of intermediary products

Final domestic products

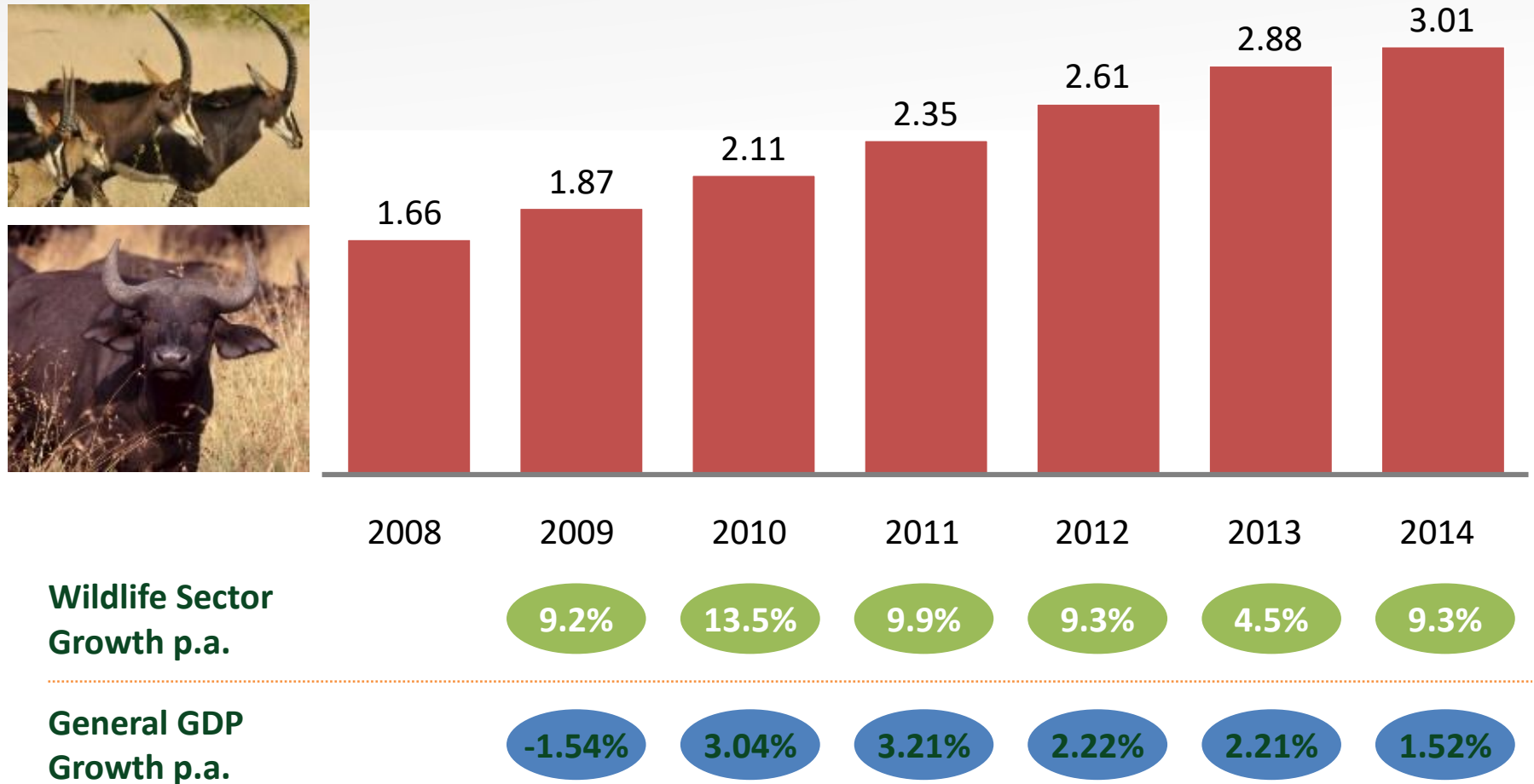


R 2.08 b

- Development and sale of final value added products
- The trend towards “natural” products demand is high and customers pay a price premium for goods with indigenous resources

The Wildlife sector has been growing consistently faster than the general economy, contributing R 3 billion to GDP in 2014

Wildlife GDP contribution, R billions



NBES Targets aligned to Phakisa

		BIOPROSPECTING SECTOR	WILDLIFE SECTOR
Aspirations		To develop and improve the bioprospecting industry to create a sustainable, inclusive and commercially viable sector adding 10 000 new jobs and contributing R1.7 billion to GDP at 10% p.a. by 2030	An inclusive, sustainable and responsive wildlife economy that grows at 10% p.a until at least 2030 , while providing a foundation for social well-being and maintaining the ecological resource base
Objectives	Economic growth	<ul style="list-style-type: none"> • GDP contribution growth from R309 million in 2013 to R1.7 billion in 2030 • Grow from 6 200 to 16 200 permanent jobs 	<ul style="list-style-type: none"> • Average yearly sector GDP increase of ~10% • Create 100,000 new jobs
	Transformation	<ul style="list-style-type: none"> • 30-50% of South African bioprospecting products must have community involvement in the supply chain • Product development in the informal sector by focusing on TK holders, communities and members of the informal market • Diversify the market by promoting enterprise development and increasing accessible funding for new entrants 	<ul style="list-style-type: none"> • 30% of wildlife businesses PDI owned • PDI ownership of >5 million Ha, and access to another >5 million ha • 4,000 PDI owned SMMEs supported to engage in the wildlife economy
	Sustainability	<ul style="list-style-type: none"> • Grow cultivation of natural ingredients by at least 500 ha p.a 	<ul style="list-style-type: none"> • 5 Million ha of non-protected areas contributing towards conservation target (aichi) • 3.5% animal population net growth p.a.

Biodiversity Economy sectoral challenges

- The sector is also fully reflective of the general land ownership patterns in South Africa which is skewed towards one racial group.
- Lack of access to 'startup' game, requisite infrastructure development support and access to finance and incentives for transformation
- Internal governance conflicts amongst community members
- The long and tedious turn-around times for issuing BABS permits
- Little value attached to genetic resources and thus vulnerable to exploitation
- Market intelligence and accessibility challenges
- Excessive and inefficient permitting systems.

ADDRESSING THE CHALLENGES

The Wildlife Economy Lab developed detailed plans for 15 initiatives and 6 additional initiatives

Facilitating transformation

- 1** Identify and prioritise **10m Ha for transformation** of wildlife economy
- 2** Coordinate existing support mechanisms under a **'Wildlife Support Unit'** to efficiently support new entrants to the industry
- 3** Increase capacity and **support for at least 300 Community Entities** including community property agreements (CPAs), trusts and traditional authorities
- 4** Create **supply-chain linkages and capacitate 4,000 SMMEs** (new and existing) to locally capture the value of ancillary goods and services to the wildlife economy
- 5** Operationalise the uMfolozi **Biodiversity Economy Node** as a pilot for the wildlife node concept
- 6** **Empower 4,000 emerging entrepreneurs and farmers** through **focused capacity-building** programmes
- i** Develop a toolkit of effective wildlife business, stewardship and partnership models

Driving growth through promoting 'value' and products

- 7** Formalise **SA game meat market** and create a network of game meat processing facilities
- 8** Implement a campaign that **drives participative transformation and consumer growth** for wildlife-related activities and products
- ii** Promote sustainable use as a foundation for conservation and growth of biodiversity economy
- iii** Develop a strategic marketing campaign and value proposition for mixed game and livestock systems
- iv** Establish mechanisms to allow for holistic and integrated management of animal health and conflict issues at the livestock-wildlife interface
- v** Fast track the development of norms and standards to actively manage and mitigate critical wildlife economy risks such as intensive and selective breeding, animal diseases and invasive species


Creating an enabling environment for the wildlife sector


- 9** Create an **enabling legislative environment** through the amendment of NEMBA
- 10** Develop and implement **wildlife industry standards**
- 11** Implement a national wildlife economy **branding scheme**
- 12** Develop and implement an **electronic wildlife permitting system** and centralised database
- 13** **"Re-position" the Wildlife Forum** as an efficient interdepartmental/ industry collaboration and co-ordination platform to promote the benefits of the Wildlife Economy
- 14** Develop an integrated **knowledge/ evidence generating and sharing platform** to support the wildlife economy
- 15** **Leverage protected areas to unlock economic potential**
- vi** Develop, upskill and resource extension services to facilitate the growth of the wildlife economy

¹ Recommendations will be included with high level activities, but these will not have 3ft plans


Key initiatives to drive growth in the Bioprospecting Economy

How do we increase the supply?

1  Promote a mass cultivation drive of 25 plant species of strategic importance and increase cultivation by 500 hectares per annum


2  Define management plans to ensure sustainable wild harvesting of 7 high value plant species to safeguard long term supply


How do we increase demand and local value addition?

3  Establish a coordinating and facilitating BioPANZA (Bio Products Advancement Network South Africa) to harness existing initiatives and to address the innovation chasm

- Promote applied research, local processing, innovation and product development; and to promote the use and awareness of products with IBRs

Regulatory

4  Fast tracking amendments of Chapter 6 of National Environmental Management Biodiversity Act (NEM:BA) to ease compliance while ensuring protection of the rights and benefits of traditional knowledge (TK) holders and alignment with Nagoya Protocol on Access and Benefit Sharing

5  Improve efficiencies in the Bioprospecting Access and Benefit Sharing (BABS) permitting system

Transformation is a cross cutting essential

Government intervention

- Nemba Bill amendment
- Phakisa initiatives (Biodiversity, Ocean, Waste Phakisa etc)
- The Biodiversity Economy Strategy
- Biodiversity Economy Indaba to create a marketing platform for biodiversity and genetic resources
- Biodiversity Transformation Charter Council
- Game donation to PDIs and communities
- Infrastructure support
- Transaction advisors to support emerging entrepreneurs
- Biopanza to create a network of bioprospecting and biotrading institutions to coordinate their activities to avoid duplications of efforts and close sectoral gaps for efficiency.
- Address issues of food security, job creation and economic prosperity through game meat processing, skin and hides industry etc

Industry role

- The Industry must transform
- Must invest in the African majority
- Localise the industry where genetic resources naturally occur
- Must skill the emerging farmers
- Give new entrants access to market
- Handhold the new enterprise
- Must embrace the Transformation initiatives
- Must donate game to new and emerging farmers
- “Adopt an emerging farmer” approach.
- “Prosperity for all attitude”

Local Communities

- CPAs and Traditional Councils should stop fighting but instead ensure optimal production of the land
- CPAs and Traditional Councils to focus on governance issues and allow entrepreneurs amongst themselves to do business
- Diversify their land for a whole range of business opportunities (game breeding, wildlife estates, lodges, game viewing etc.)
- Dedicate their children for business skills training.

BIODIVERSITY ECONOMY INDABA (BEI)

- To pitch the BEI as a Premier African Biodiversity Economy Trade and Investment platform,
- To stage the BEI as a unique platform to match the lucrative international wildlife and bioprospecting/biotrade markets with owners, custodians and stock holders of wildlife and genetic resources in South Africa and Africa-(bringing the market to Africa!)
- To optimize the BEI as a platform to accelerate inclusive growth, transformation and sustainable development within the wildlife and bioprospecting/trade sector
- Catalyst for accelerating the economy of the town/city area where it is hosted.
- To utilise BEI as a platform for regional dialogue/negotiations and cooperation on biodiversity economy and management issues and crafting the regional position on such issues
- To create awareness of wildlife and bioprospecting/trade beneficiation through conservation and localization of industries
- To host the BEI as an annual event, incorporating aspects exhibitions, dialogue/conference, trade and investment and launching pad for new initiatives within the biodiversity economy sector
- Possibility of finding a permanent home for the BEI, pull resources for it and brand it

POLICY OBJECTIVES FOR NEMBA CHAPTER 6 AMENDMENT

1) To redress the injustice of the past in order to achieve socio-economic development goals ~ *fair & equitable benefits sharing*.

2) To provide regulatory framework for bioprospecting / biotrade activities ~ attain conservation & sustainable utilization of Indigenous Biological Resources ~ ***Permitting System***.

3) To provide obligatory requirements to the regulated sectors to recognize existing Traditional Knowledge on the useful properties of Indigenous Biological Resources ~ ***Benefit Sharing Agreements***.

4) To provide obligatory requirements to the regulated sectors to seek permission from the land owners to access/collect Indigenous Biological Resources ~ ***Material Transfer Agreements & Benefit Sharing Agreements***.

5) To implement international regulatory obligations adopted by South Africa ~ ***CBD & Nagoya Protocol on ABS***

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'The game changer'



WHY INVEST IN WILDLIFE

Vestassapede et donec ut est
libe ros sus et eget sed eget
quisq ueta habitur augue



PILOT PROJECTS

Vestassapede et donec ut est
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quisq ueta habitur augue



BIODIVERSITY LAB

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WILDLIFE ECONOMY

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BIOPROSPECTING ECONOMY

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Community

The project

**Champion
farmer**

**Governance/
accountability**

**The node/region
(map) phases**

**Integrated
land use**

**Opportunities
for investors**

Stakeholders

From The Blog

Post Title

Admin, domainname.com

Friday, 6th April 2000

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eu justo convallis augue estas
aenean elit intesque sed. Facilispede
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environmental affairs

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Environmental Affairs
REPUBLIC OF SOUTH AFRICA

The Biodiversity Economy Catalogue

Wildlife Green Economic Empowerment and Development Programme



An investment opportunity to empower and protect our natural heritage



Thank You

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