

# Communication makes the value of ecosystem services visible

South Africa's Roadmap to Enhancing the Value Proposition of Biodiversity and Ecosystem Services

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Biodiversity and Conservation



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Department:  
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REPUBLIC OF SOUTH AFRICA





# ECONOMIC GROWTH & BIODIVERSITY

CAPE FLORAL KINGDOM IS WORTH  
**R10 BILLION**  
TO THE SOUTH AFRICAN ECONOMY ANNUALLY



**R8,6 BILLION**  
CURRENT WORTH OF CARBON STORED IN NATURE

OVER  
**60%**

OF OUR ANNUAL TOURISM INDUSTRY IS DEPENDENT ON ECO-TOURISM

**R2,6 BILLION**

ANNUAL VALUE OF WATER RELEASED BY ALIEN REMOVAL

**R73 BILLION**

BIODIVERSITY IS WORTH OVER ANNUALLY

**R50 MILLION**



CONTRIBUTED EACH YEAR TO THE ECONOMY THROUGH THE REMOVAL OF CATTLE DUNG



**R5,6 BILLION**

COMES FROM INSECTS POLLINATING CROPS EACH YEAR

SOUTH AFRICA HAS OVER **27 000** FISHERMEN & WOMEN

CHILD'S WONDER AT ENDLESS WONDERS OF BIODIVERSITY

**INVALUABLE**



**BIODIVERSITY - POWERING THE GREEN ECONOMY**

# Awareness Raising Events & Processes

International Day of Biodiversity

Business and Biodiversity

South African Mining and Biodiversity Forum

Wildlife Economy

Community Based Natural Resource Management

Grasslands Programme: Annual grasslands Partners Forum-Theme

Biodiversity Powering the Green Economy.

Ecological Infrastructure- Nature Delivering Services

Working for Programme





# THE START OF BEE HIVE THINKING

promoting the importance of biodiversity conservation to society

promoting the need for ongoing habitat restoration and rehabilitation

promoting the economics of ecosystems and biodiversity.

Biodiversity: Powering the Green Economy

Biodiversity: Good for Jobs; Good for Growth

Biodiversity Sector Messaging Strategy Doc

Biodiversity case Study Development Toolkit





## National Development Plan

*“by 2030, South Africa’s transition to an environmentally sustainable, climate change resilient, low-carbon economy and just society will be well under way”.*

“South Africa must also realise its full potential of its natural resources”



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# INFRASTRUCTURE DEVELOPMENT

- NDP is being implemented through the **National Infrastructure Plan (2012)**, which includes a series of **18 Strategic Integrated Projects (SIPs)** and is co-ordinated by a Presidential Infrastructure Co-ordinating Committee.
- R850 billion (approximately \$100 billion) has been earmarked for infrastructure investment in South Africa over the period 2012-2015.



# Mainstreaming Across Sectors

ENGINEERING NEWS



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# INVESTMENTS IN ECOLOGICAL INFRASTRUCTURE <sup>1</sup>

- A new approach to understanding and communicating the core intention of maintaining and restoring natural ecosystems that provide valuable services emerged.
- Communicating the concept of ecological infrastructure (i.e. the source of the service) was much more tangible to potential investors across sectors than ecosystem services
- Investment-based thinking was replacing the market-based approach of fixing a price for the provision of an ecosystem service based on supply and demand





# INVESTMENTS IN ECOLOGICAL INFRASTRUCTURE 2

- 19<sup>th</sup> SIP (Strategic Integrated Project) focused on investment in ecological infrastructure for water security
- The **uMngeni Ecological Infrastructure Partnership** was launched in 2013. It is a multi-partner programme aimed at improving water security for Durban, one of South Africa's largest cities, through restoring and maintaining ecological infrastructure in the catchment that supplies most of the city's water.



Intact Ecological Infrastructure – the key to clean water and food security

# NATIONAL PROVISIONS

From Concept → Project → Program → Institution

National Treasury Institutionalized a Chief Directorate dedicated to the integration of biodiversity and economy and the nationalization of TEEB:

## CD: BIODIVERSITY ECONOMY AND SUSTAINABLE USE

### PURPOSE

To develop, promote and support a national biodiversity economy based on sustainable use of

- indigenous resources

Policy Approach: Develop a National Biodiversity Economy Development Strategy

- **Scope:** Commercialisation & trade of RSA's biodiversity & its components.
- **Aim:** Implementation framework to achieve optimum economic benefits—direct, indirect and induced—from the commercialisation of biodiversity in South Africa.
- **Key sectors:** Indigenous natural products and wildlife sectors.

# Successes in Communicating Across Sectors

- A biodiversity Investments Portfolio is opening doors with the:
  - National Treasury
  - Department of Agriculture
  - The Private Sector: Mining, Wildlife Industry, Water
- Incorporating **ecological infrastructure for water security** has informed the revision of the National Water Resource Strategy and the Water Pricing Strategy.
  - The NWRS recognises that strategic water source areas form the foundational ecological infrastructure on which a great deal of built infrastructure for water services depends, and are thus strategic national assets that are vital for water security.
  - The Water Pricing Strategy provides for investing part of the revenue derived from water sales in the maintenance and restoration of strategic catchments that supply water.





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