



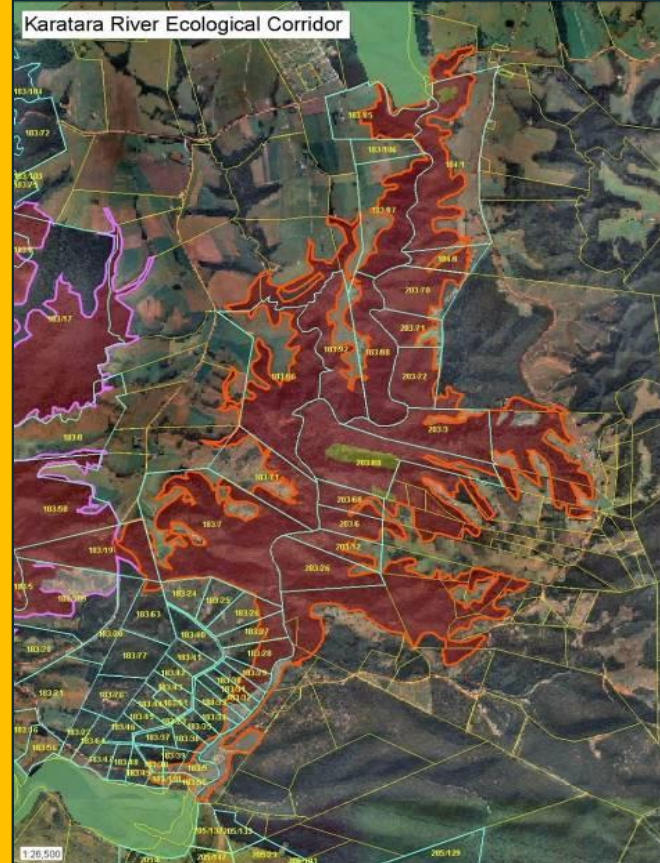

# Managing Biodiversity in the Landscape



**UNDP'S WORK on**  
BIODIVERSITY MANAGEMENT



UNDP ENVIRONMENT & ENERGY GROUP



Nik Sekhran, Principal Technical Adviser:  
Biodiversity and Ecosystems

Satoyama Initiative  
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# UNDP's Ecosystem and Biodiversity Programme



**Biodiversity**  
DELIVERING RESULTS

## OBJECTIVE:

The objective of UNDP's biodiversity and ecosystems work is to maintain and enhance the beneficial services provided by natural ecosystems in order to secure livelihoods, food, water and health, reduce vulnerability to climate change, store carbon and avoid emissions from land use change.



## SIGNATURE PROGRAMME

Mainstreaming  
Biodiversity in the  
Production  
Landscape

Protected landscapes

Establish formal protected areas

Production Landscapes

Implement industry best-practice guidelines

Developed Landscapes

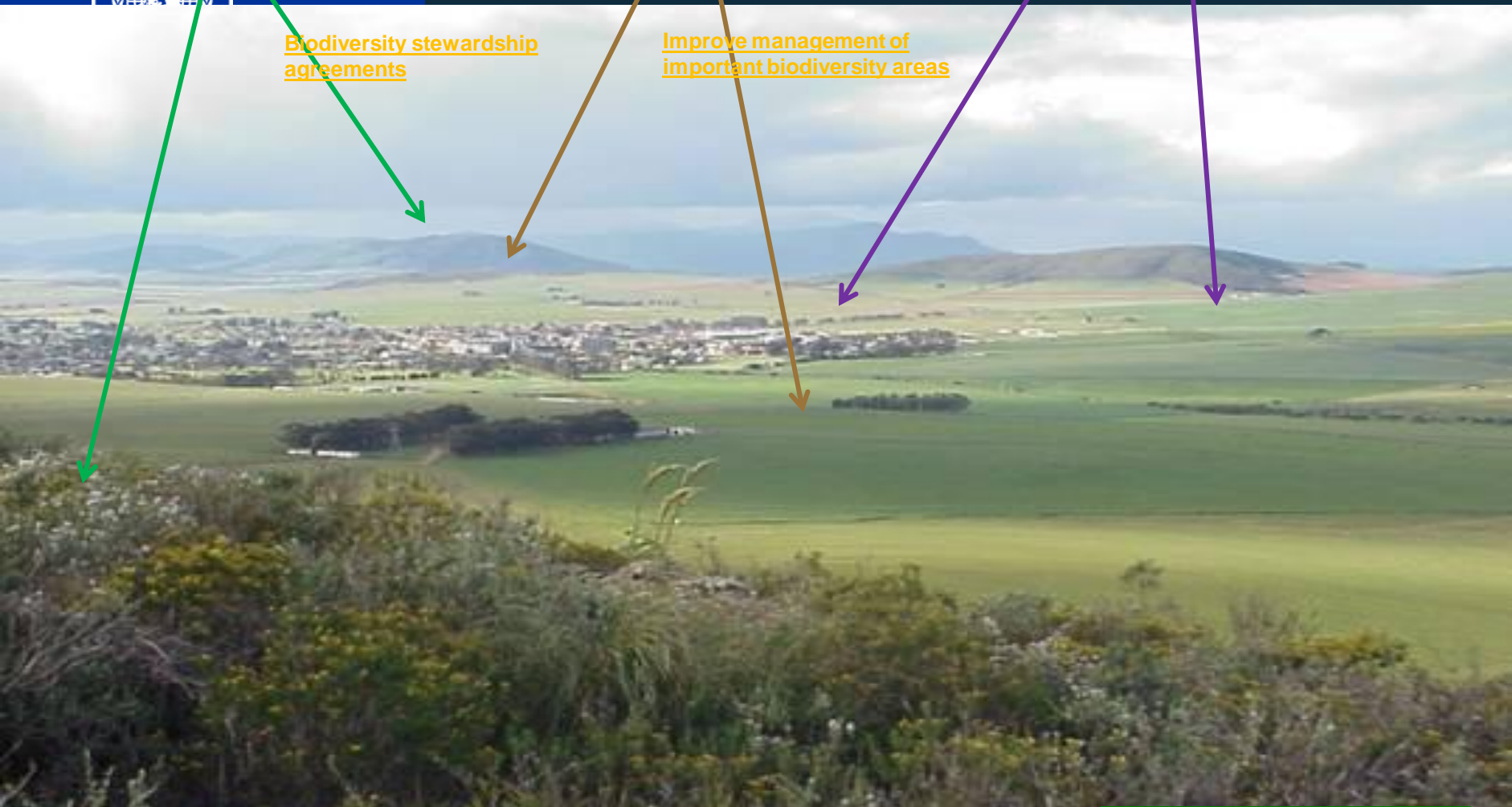
Incorporate biodiversity priorities into land-use planning and decision-making

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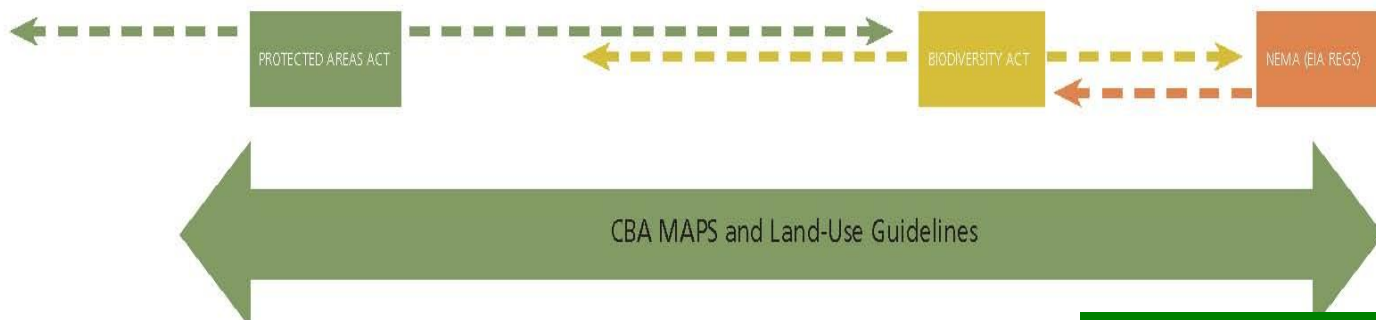
Biodiversity stewardship agreements

Improve management of important biodiversity areas



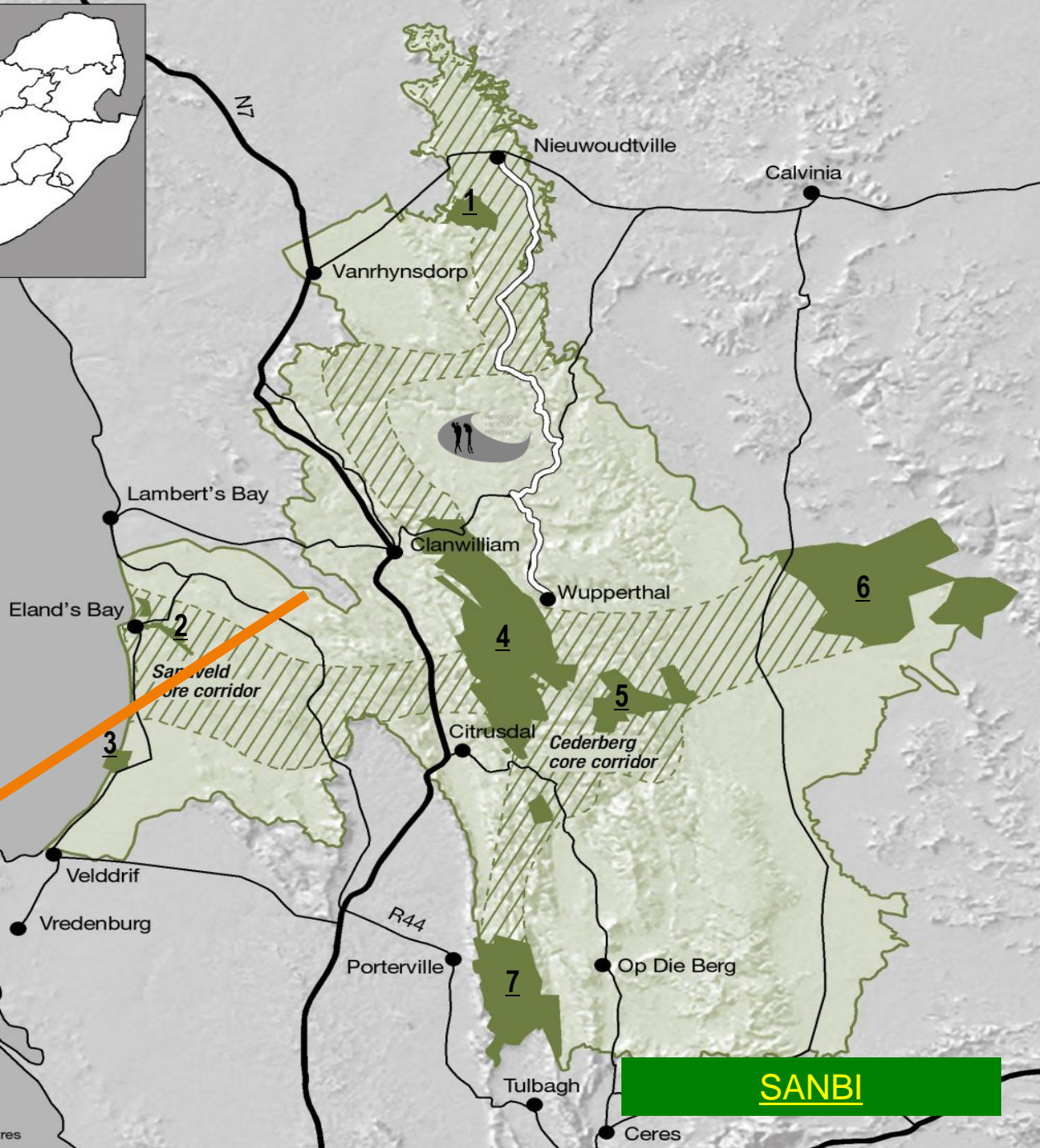
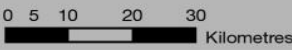
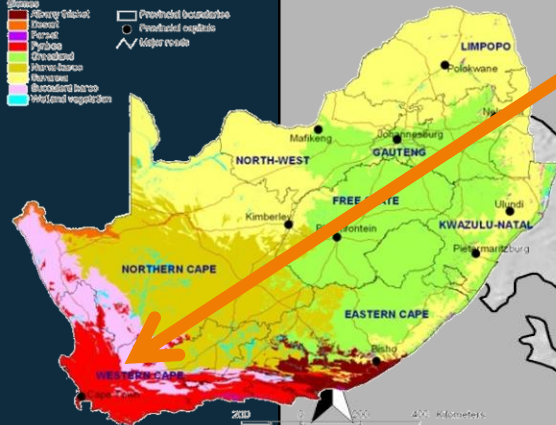
TYPE OF LANDSCAPE	PROTECTED LANDSCAPES		PRODUCTION LANDSCAPES		DEVELOPED LANDSCAPES
Type of land	State-owned and managed Protected areas (mostly natural/wild land) e.g. National Park	Mostly natural land of high biodiversity importance privately or communally owned and managed through partnerships e.g. Private Nature Reserve	Largely natural land with elements of biodiversity importance and low-impact production areas e.g. grazing	Land largely modified for intensive production e.g. commercial crops	Lightly to heavily modified landscapes with fragments of important biodiversity
Strategy for conserving biodiversity	Formal protected areas		Biodiversity Stewardship Best-practice production		Land-Use Planning and Decision Making
Our main biodiversity management tools	Proclaimed protected areas Protected Area management plans Protected Area Expansion Strategy	Biodiversity Stewardship Agreements (Statutory) Management plans	Biodiversity Stewardship agreements (contract law and informal) Management plans Industry best-practice production guidelines	Best-practice production guidelines and resource for well managed farms	Biodiversity Sector Plans CBAs incorporated into spatial development frameworks Ecosystem guidelines for environmental assessment

Key legislation





- Skemas**
- Phrengis (Gefelst)
  - Stroom
  - Perseel
  - Perkopp
  - Streeklind
  - Phrengis-sonne
  - Phrengis
  - Phrengis-sonne
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  - Phrengis-sonne
  - Phrengis-sonne
- Simbole**
- Phrengis-sonne
  - Phrengis-sonne
  - Phrengis-sonne



Fire management (FPAs)

Ethical wildlife management

Biodiversity conserved  
Land set aside/stewardship  
Coordinate corridors for resilient landscapes

Alien removal  
e.g. silky oaks,  
black wattle

Climate change mitigated:  
Reduce N<sub>2</sub>O (composted manure, green manure vs inorganic N)  
C sequestered (spekboom project)  
C loss reduced (minimum/inversion till, mulch)  
Alternative energies (e.g. wind power for refrigeration)

Agricultural resource conserved:

1. Soil: increase mulching, veg cover, proper infrastructure  
No illegal ploughing, min/inversion till, effective/reduced fertilization, mixed farming
2. Water: Mulching, irrigation scheduling, wetland/river management, restoration, chemicals
3. Veg: Crop rotation e.g. oats, canola, legumes

Climate change adaptation:  
e.g. drought tolerant crops  
Preserve wetlands to reduce drought/flooding risk  
Secondary economies (C farming, ecotourism, game)

Economically viable  
Social well-being ensured

CI/ WWFGreen Choices

# UNDP's Work on Landscapes

- **45 projects**  
~81 million ha directly covered  
~375.5 million ha indirectly covered
  - **18 production sectors covered**
  - **31 projects encouraging markets to employ more BD-friendly practices**
- ~456 million ha Impacted

## Select Production Sectors

Agriculture

Animal Husbandry/Livestock

Energy

Fisheries/Aquaculture

Forestry

Mining

Tourism/Eco-tourism

