

SANBI

Biodiversity for Life

South African National Biodiversity Institute



C·I·B

DST-NRF Centre of
Excellence for
Invasion Biology

43RD ANNUAL RESEARCH SYMPOSIUM ON THE MANAGEMENT OF BIOLOGICAL INVASIONS

Co-hosted by the C·I·B and SANBI

Dates: 18–20 May 2016

Venue: ATKV Goudini Spa, Worcester

Zengeya TA, Rahlao S, Wilson JR

Themes of the meeting:

1. Status of invasions (taxa, protected areas, biomes, catchments)
2. Status of impacts (magnitude and trends)
3. Efficacy of interventions



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Web site: <http://academic.sun.ac.za/cib/workshops/2016/MAY/index.asp>

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Bothalia
AFRICAN BIODIVERSITY & CONSERVATION

ISSN: 0006-8241



Factors influencing the adaptation and distribution of *Colophospermum mopane* in southern Africa's mopane savannas – A review

Andron A. Mkhondo, Isaac Mopene, Martin J. Potgieter, Willem J. Janse-Powell, Amani T. Sata

Ladobesunia coelestiomontana A.J. Henkley & N. Heide (Hyacinthaceae: Hyacinthoideae): A new species from the Blaauwberg centre of endemism, Limpopo, South Africa

Andrew J. Henkley, Robert Heide, Matt H. Blye

A new species of *Bankhaya* (Asteraceae: Arctobideae) from the Northern Cape, South Africa

Wolde G. Bergh, Nick A. Heide

Moraea orthrosantha (Iridaceae: Iridaceae), a new species from Namaqualand, South Africa

Peter Goldblatt, John C. Manning



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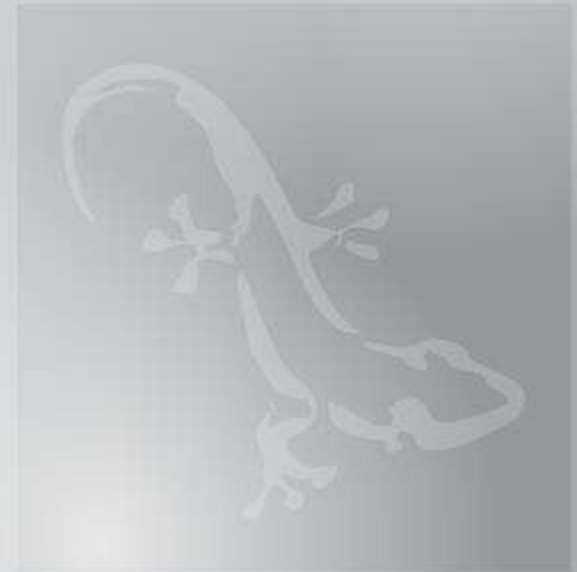
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Bothalia: African Biodiversity & Conservation



Report by October 2017

- Status of all listed invasive species & species with a completed risk assessment;
- Effectiveness of policy and management based on data from land-owners; permits; management plans; emergency interventions; and enforcement actions

There needs to be research and monitoring

Next report October 2020, 2023...

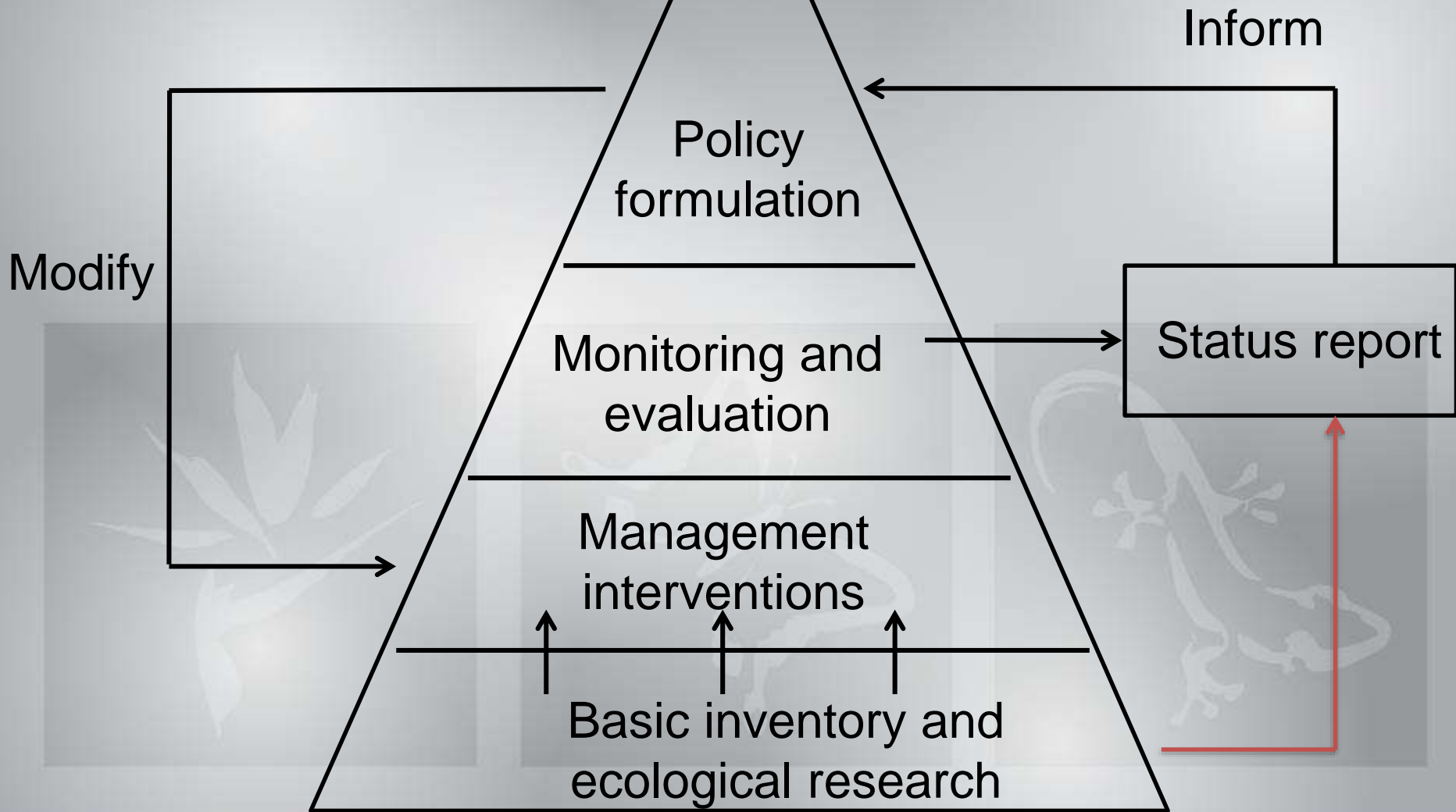


Convention on
Biological Diversity



By 2020, invasive alien species and pathways are identified and prioritized, priority species are controlled or eradicated and measures are in place to manage pathways to prevent their introduction and establishment

What should we do?



Content

- Monitoring
- Reporting
- Implementation
- Research

Scope

- Realms
- Taxonomic groups
- Legislative categories

Structure

- Lists of taxa
- Distributions
- Impacts
- Efficacy of interventions
- Areas
- Pathways

4 x 3 approach


Species	Lists	Distributions	Impacts	Effectiveness of management and regulations
Areas				
Pathways				

A National Strategy for Dealing with Biological Invasions in South Africa



25 March 2014







Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA
REPUBLIEK VAN SUID-AFRIKA

Regulation Gazette No. 10244 Regulasiekoerant
Vol. 590 Pretoria, 1 August 2014 No. 37885
Augustus

N.B. The Government Printing Works will not be held responsible for the quality of "Hard Copies" or "Electronic Files" submitted for publication purposes.

 37885
3771682584003

 AIDS HELPLINE: 0800-0123-22 Prevention is the cure

402951-A

37885-1

Alien and Invasive Species
Regulations and Lists
www.invasives.org.za

<http://invasionevs.com/>

Essential Variables for Invasion Monitoring & Reporting

A guide for countries



Occurrence	Records of presence or absence
Status	Alien or native
Impact	Size of impacts

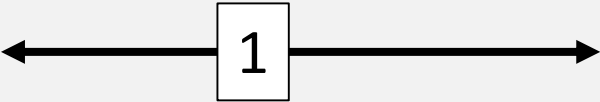
Latombe *et al.* (in review) A vision for global monitoring of biological invasions . Biological Conservation

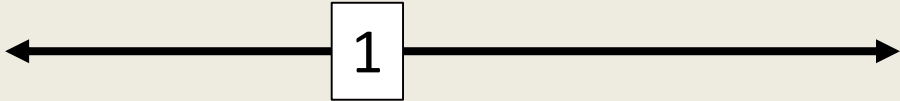

4 x 3 approach

Species	Lists	Distributions	Impacts	Effectiveness of management and regulation
Areas				
Pathways				
EBVs	1. Occurrence 2. Status	1. Impact	?	

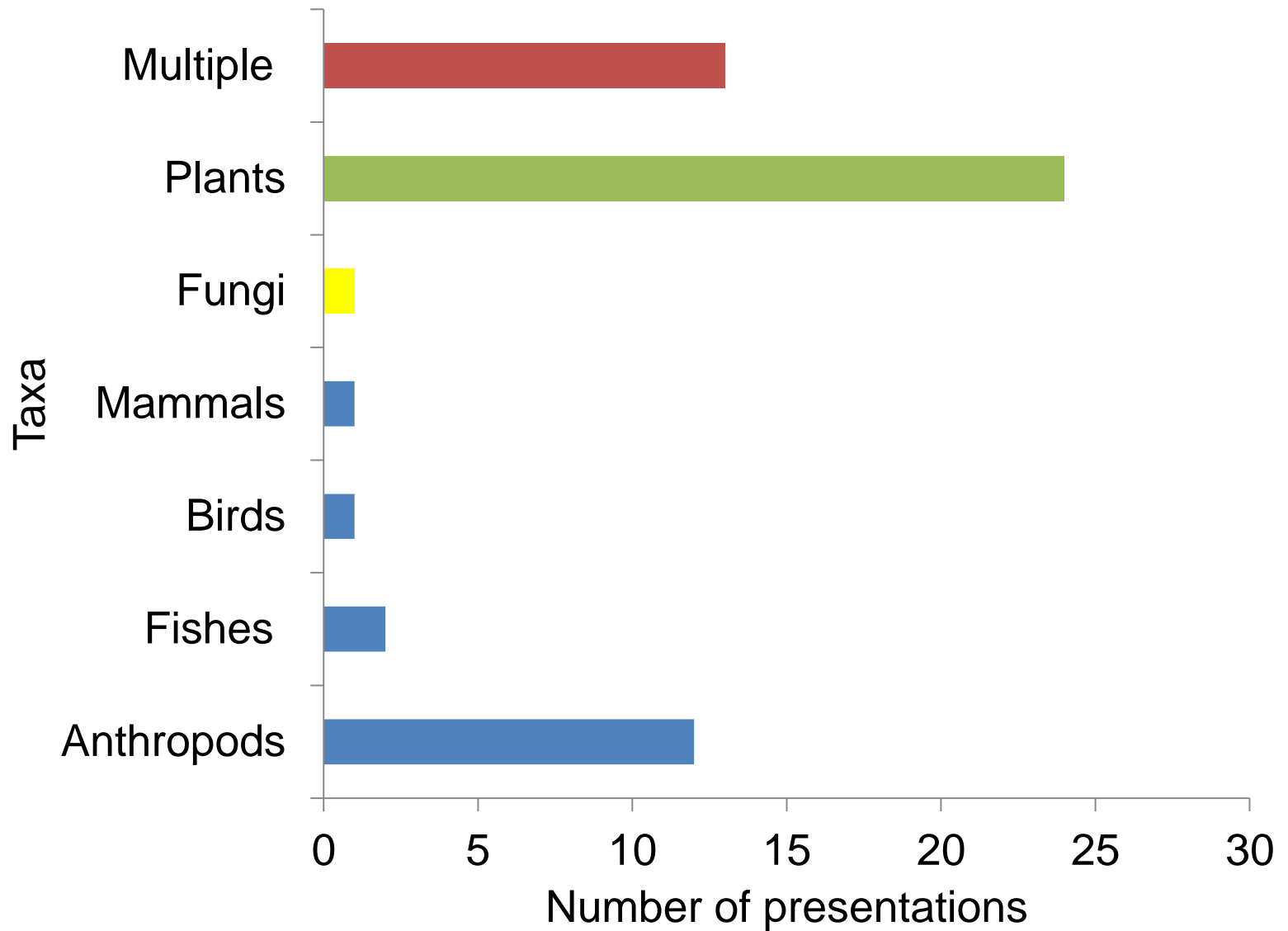
Approach	Lists	Distributions	Impacts	Effectiveness of management and regulation
Species	2	5	2	35
	← 6 →			
	← 1 →			
	← 1 →			

* 3 other odd combinations

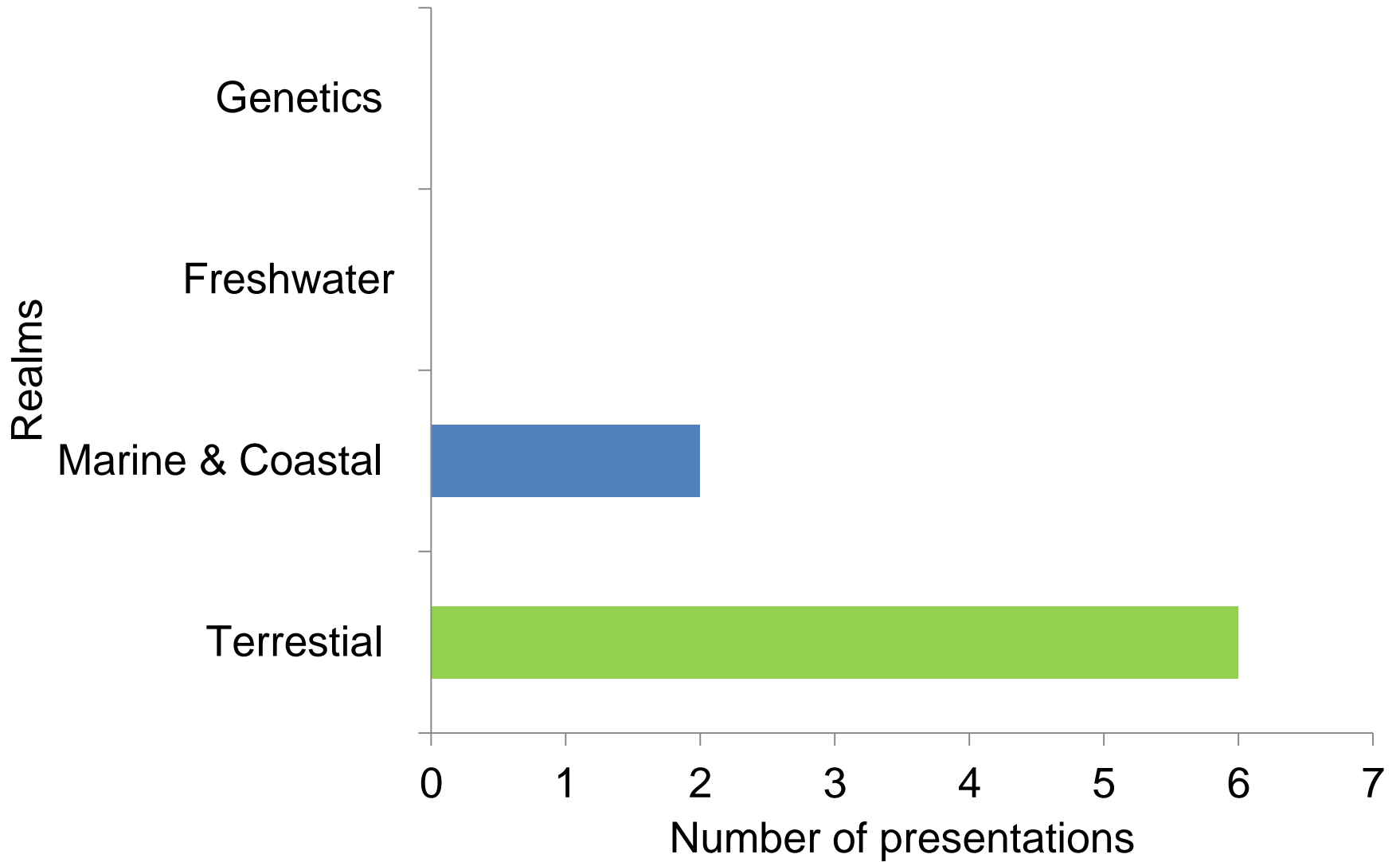
Approach	Lists	Distributions	Impacts	Effectiveness of management and regulation
Areas	2			5
				
				

Approach	Lists	Distributions	Impacts	Effectiveness of management and regulation
Pathways	1			2
				
				

Taxonomic groups (species)



Areas (realms)



Thank you

