

# National Status Report on Biological Invasions and their Management in South Africa

## Indicators

# Why a status report?



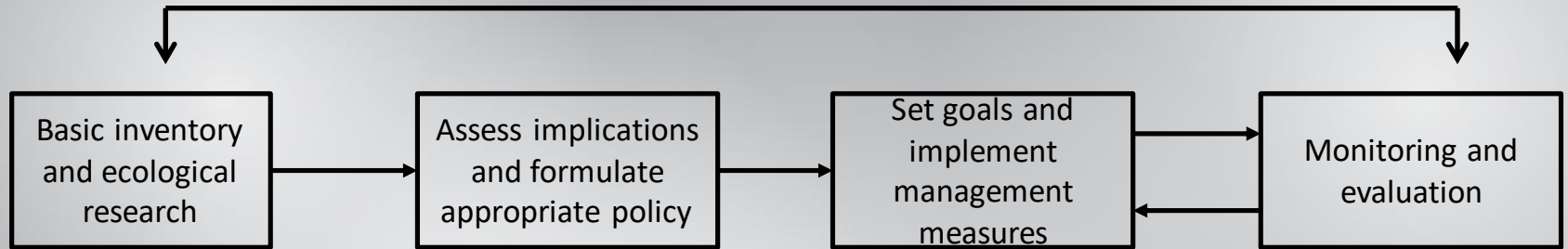
# Legal requirement

The Institute [i.e. SANBI] ..... must ..... submit a report on the status of listed invasive species ..... within three years after these regulations come into effect, and every three years thereafter

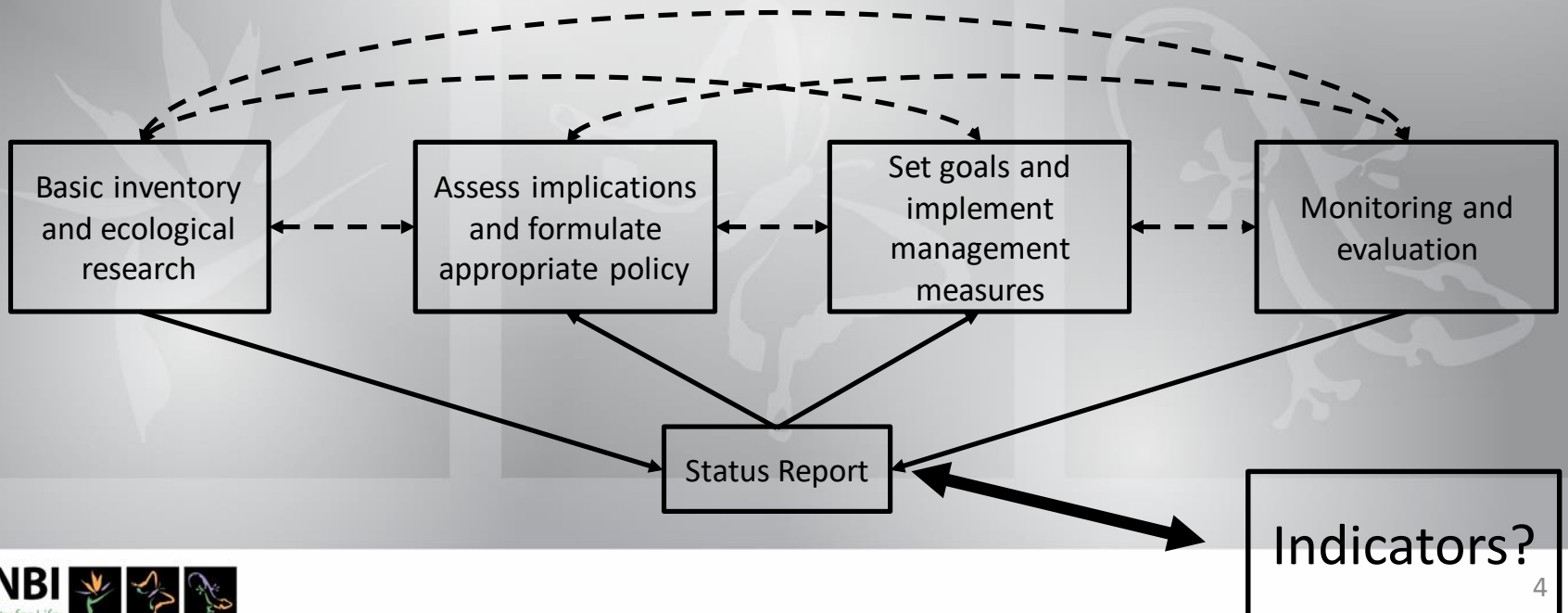
The report .... must contain a summary and assessment of:

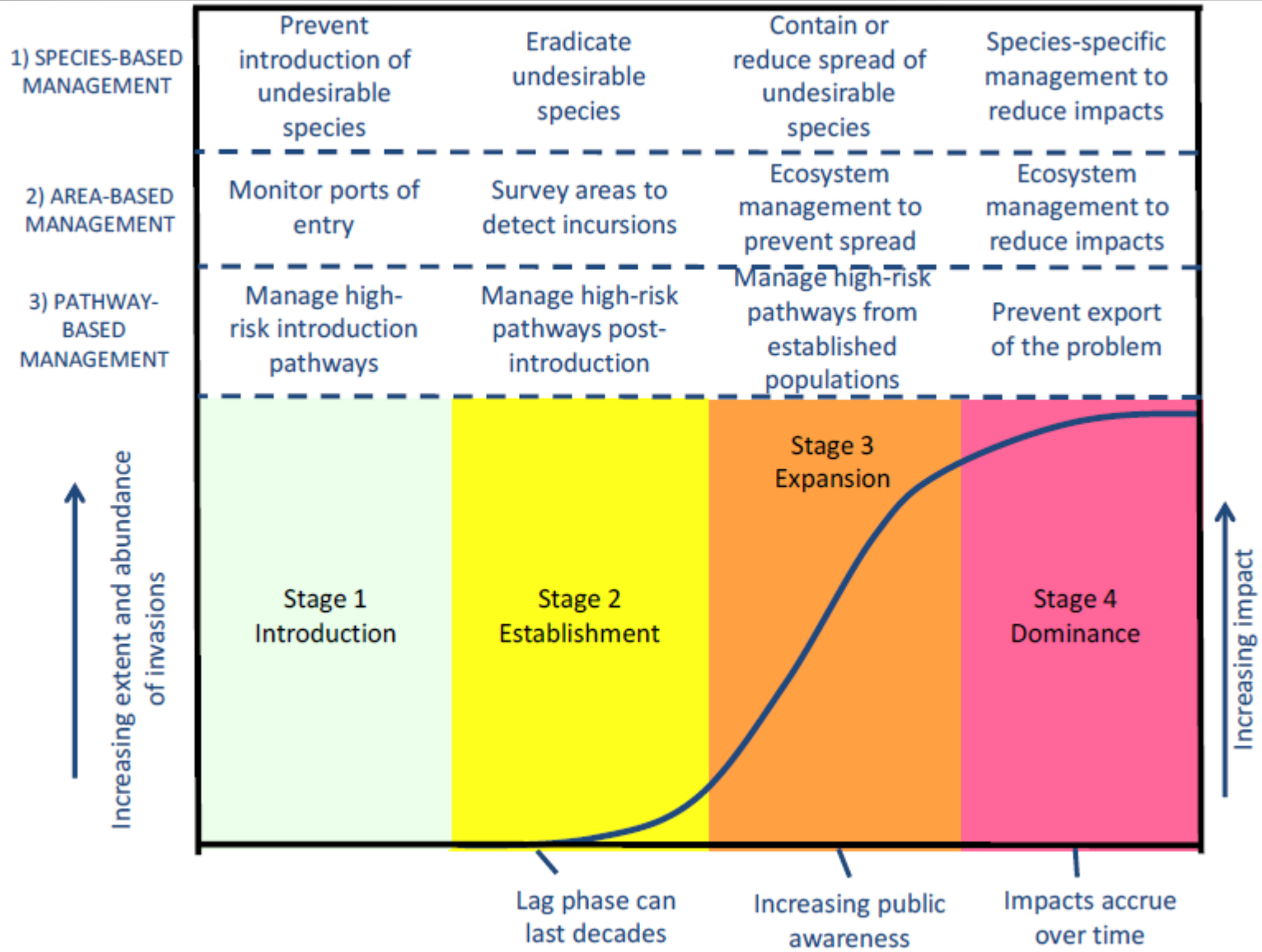
the status of listed invasive species; and  
the effectiveness of these regulations and control measures

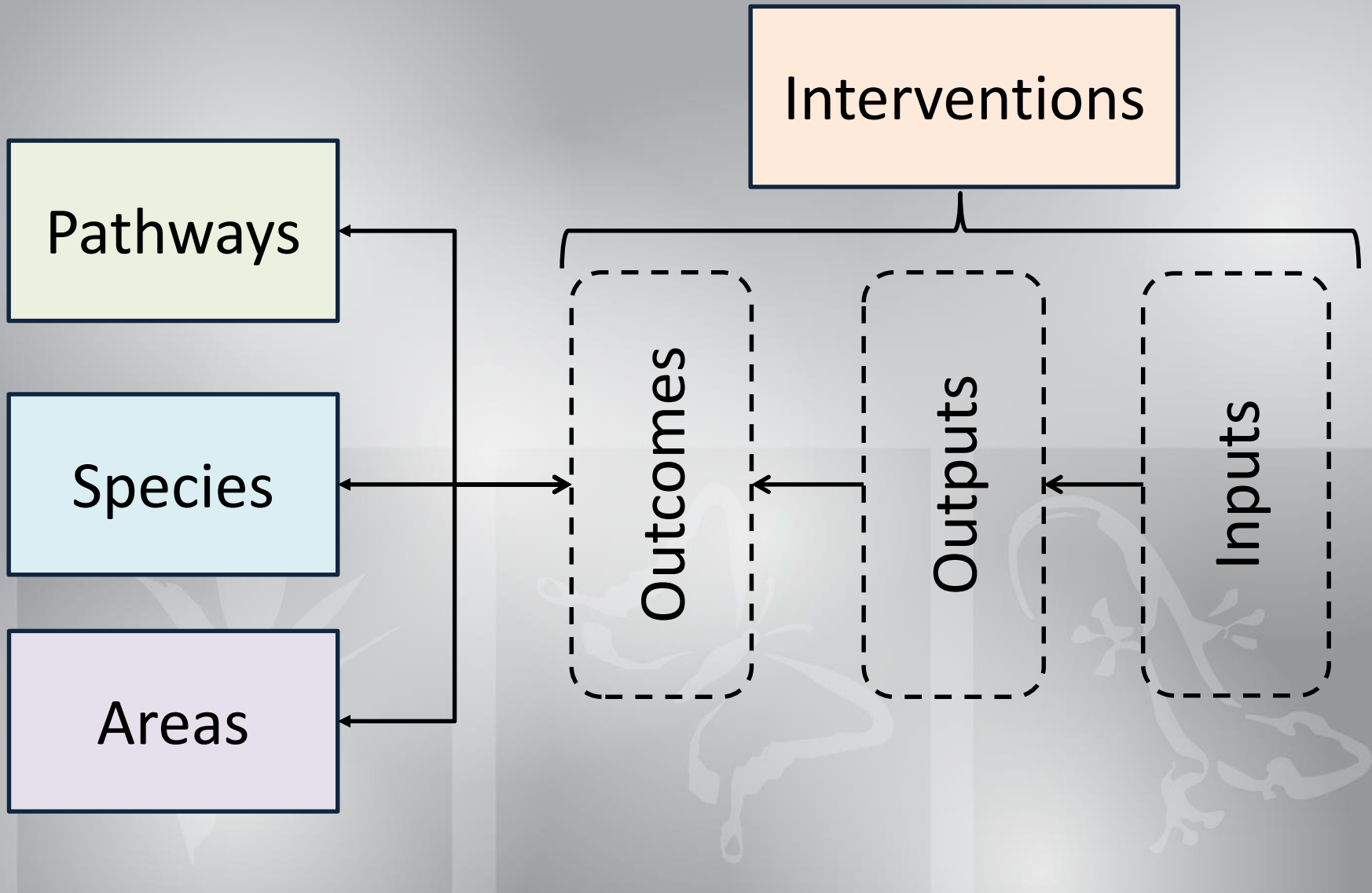
# Why a status report?



b)







20 indicators  
(pathways, species, areas, interventions)

4 high level indicators



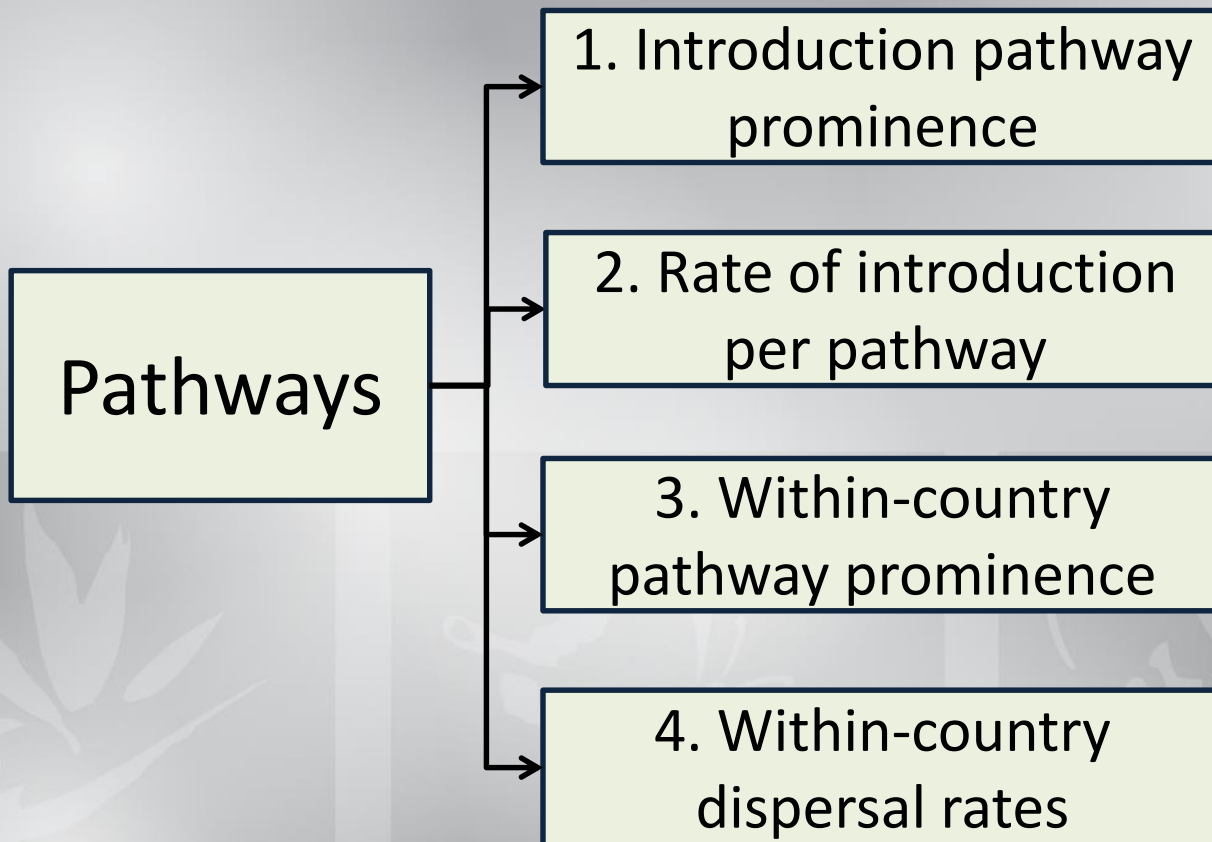
- Factsheets



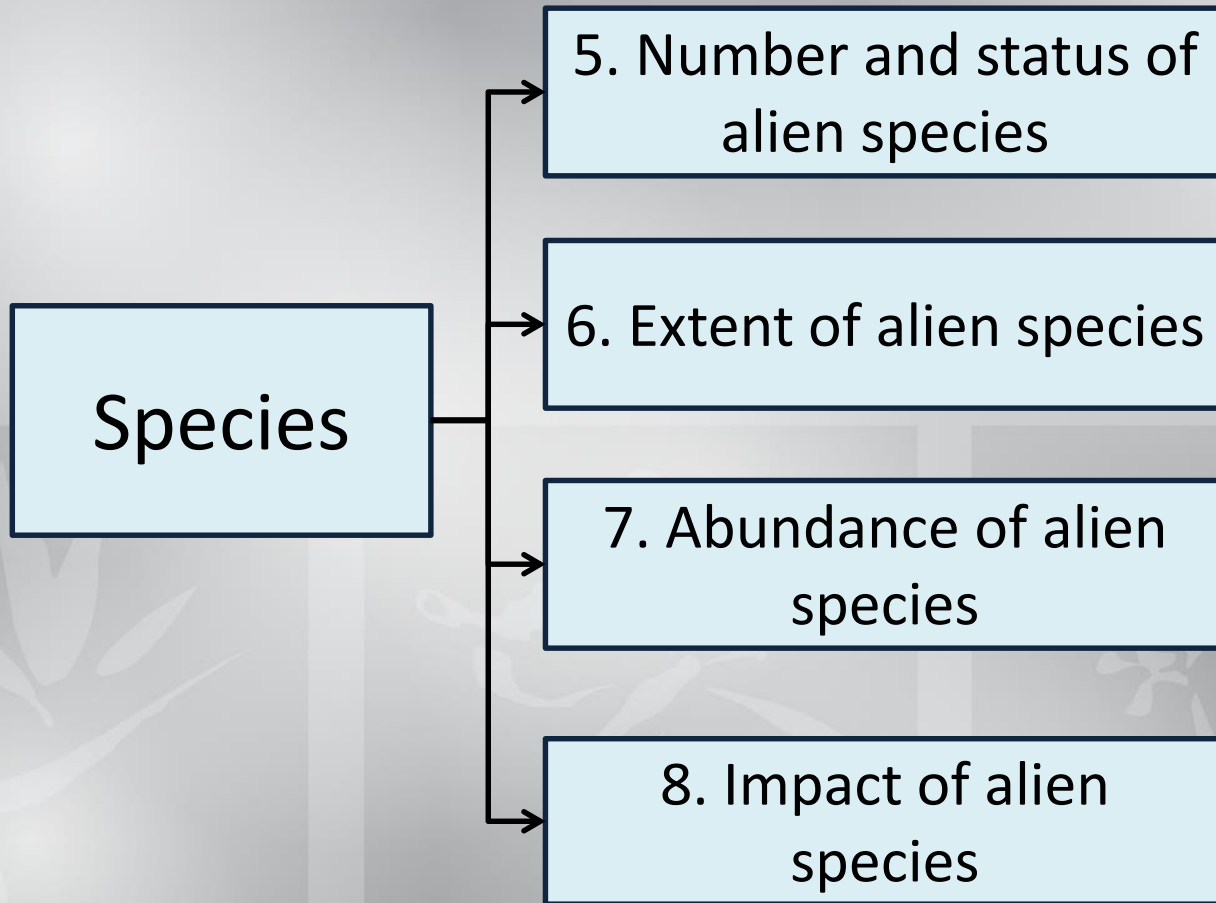
- Hierarchical metrics

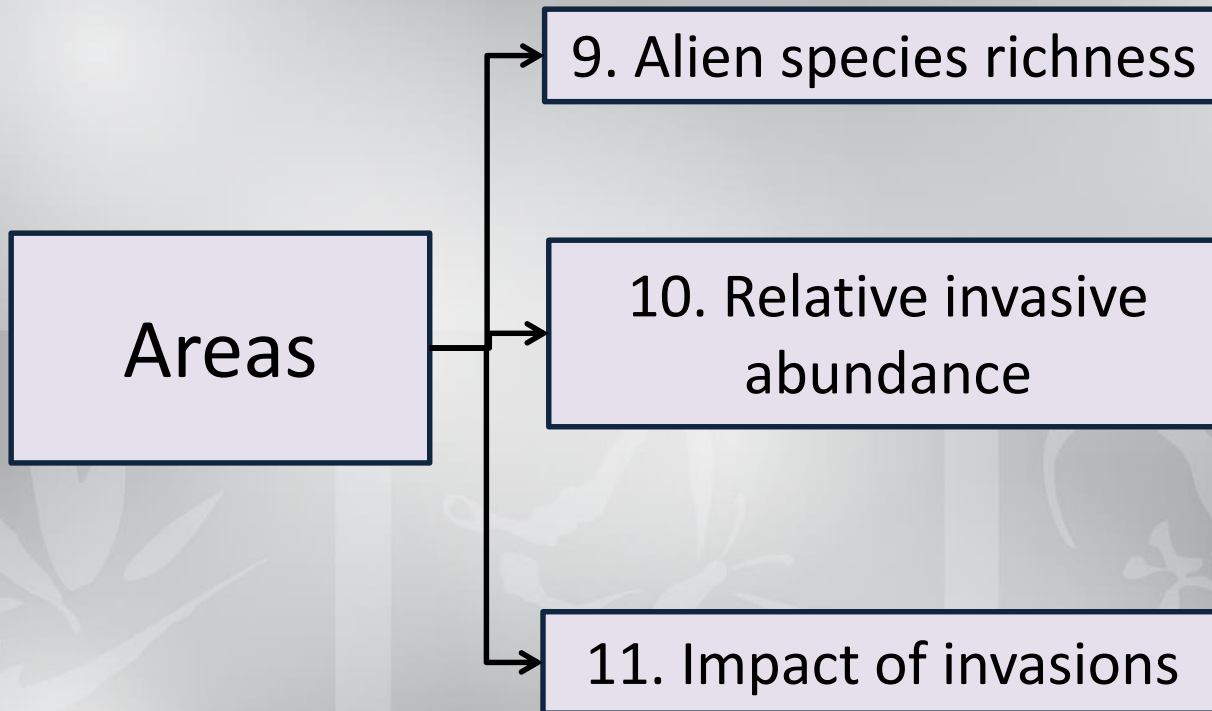


- Confidence Levels









Interventions

Inputs

12. Quality of regulatory framework

13. Money spent

14. Planning coverage

Interventions

Outputs

15. Pathways treated

16. Species treated

17. Areas treated

# Interventions

# Outcomes

18. Effectiveness of pathway treatments

19. Effectiveness of species treatments

20. Effectiveness of area treatments

# Hierarchical metrics

## *Number and status of alien species*

Number of alien species

Number of alien species in one of three categories

Number of species at different stages of the Unified Framework

Increasing complexity



# Confidence levels

## *Rate of introduction per pathway*

High—direct evidence of the introduction pathway

Medium—species appeared when and where a single pathway was in operation and there is no other explanation

Low—pathway of introduction inferred based on traits or from other regions

# 4 high-level indicators (for DEA reports to parliament)

Pathways

*Rates of introduction*

Species

*Number of invasive species with high impacts*

Areas

*Extent of severely invaded area*

Interventions

*Effectiveness of control measures*



