

# Pathways of invasive alien species introductions & on-going activities to address the risk of biological invasions

Webinar on environmental issues among CPTPP members  
MOE Japan, 24 June, 2021

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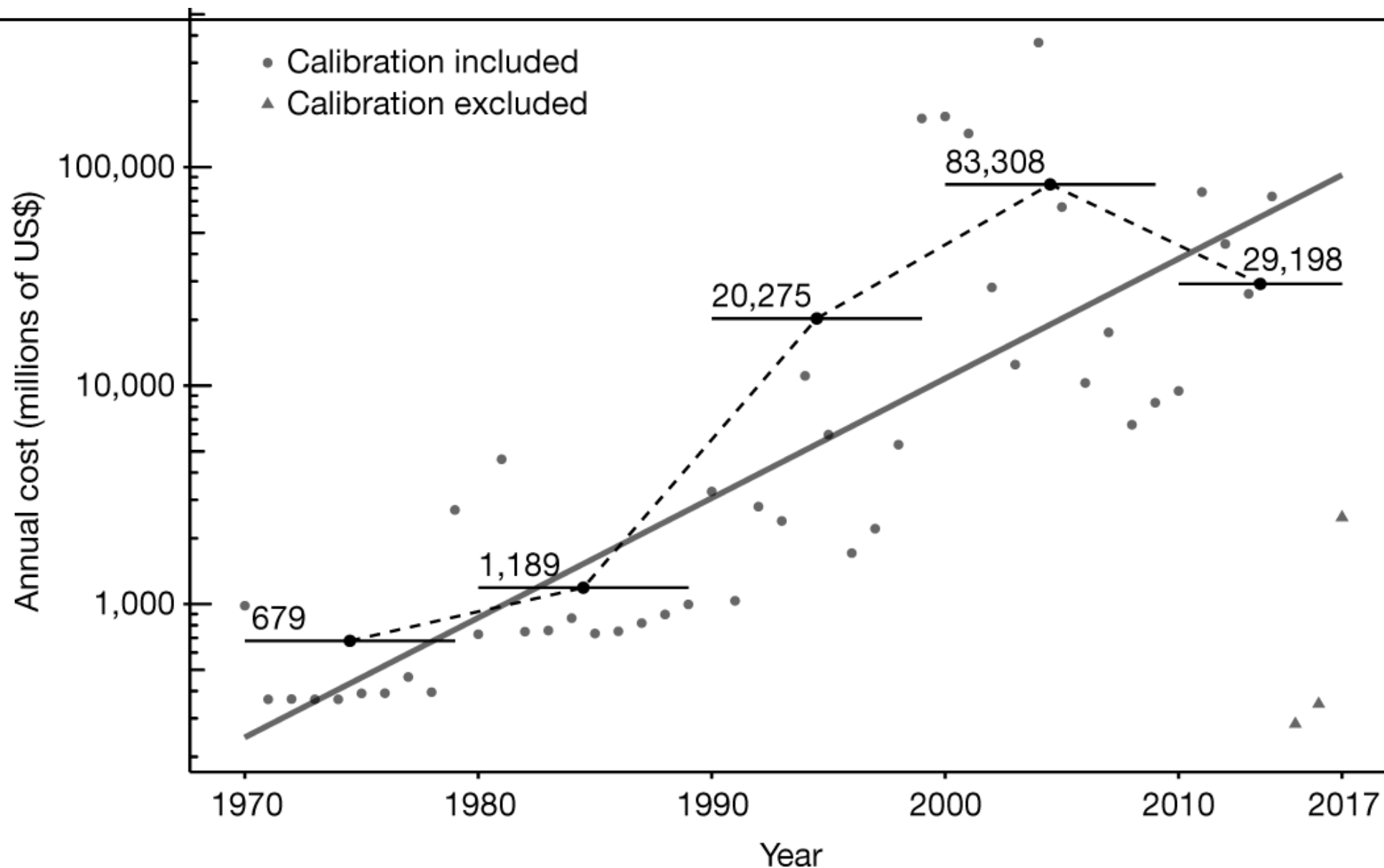


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# Invasive alien species:

- One of the five major drivers of **biodiversity loss**, through predation, competition, disease in terrestrial, freshwater and marine ecosystems, especially islands
- IAS contributed to **more than half of animal extinctions** for which cause is known
- Interacts with other drivers (land use change, climate change, pollution)
- With major social and economic as well as environmental **impacts**: decline in ecosystem services (fisheries, water quality etc) crop losses, infrastructure damage,

# Temporal trend of global invasion costs

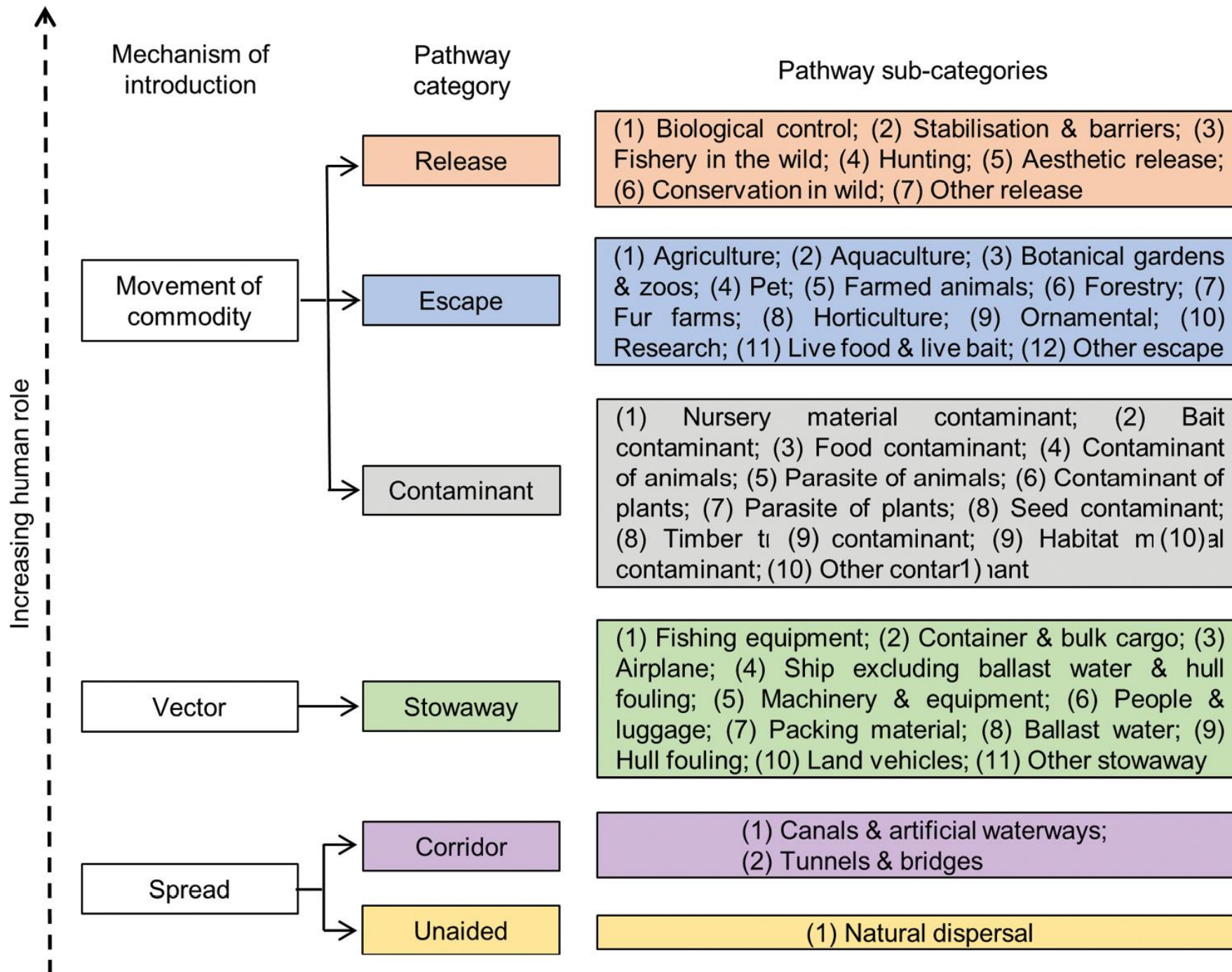


(Diagne, Leroy,  
Vaissière et al.  
2021, *Nature*)

# Global costs of invasive alien species

> \$100 billion  
per year



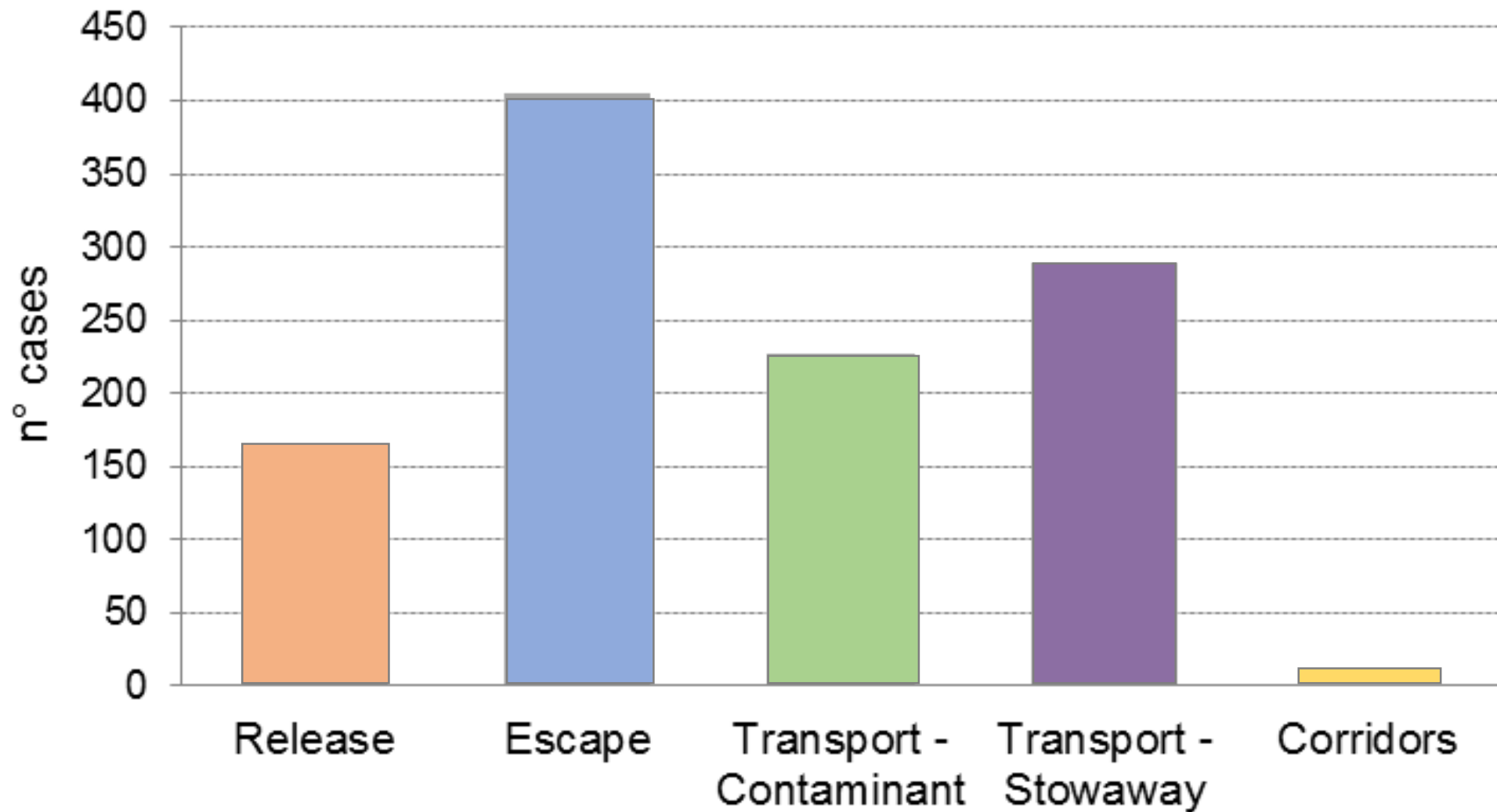


# Introduction pathway classification framework

Faulkner et al. 2020,  
*NeoBiota*

Hulme et al. 2008,  
*J. Appl. Ecol*

*CBD/SBSTTA/18/9/Add.1.*



Frequencies of introduction pathways of known cases of introduction of over 500 invasive alien species profiled in the Global Invasive Species Database



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# Aichi Biodiversity Target 9

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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.

# Action on Invasive Alien Species under the CBD



- International Guidelines and Standards
- Global Information Partnership
- Capacity building for National Biodiversity Strategies and Action Plans
- International collaboration on the global regulatory framework





Food and Agriculture  
Organization of the  
United Nations



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WORLD TRADE  
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ICAO

# Inter-Agency Liaison Group on Invasive Alien Species



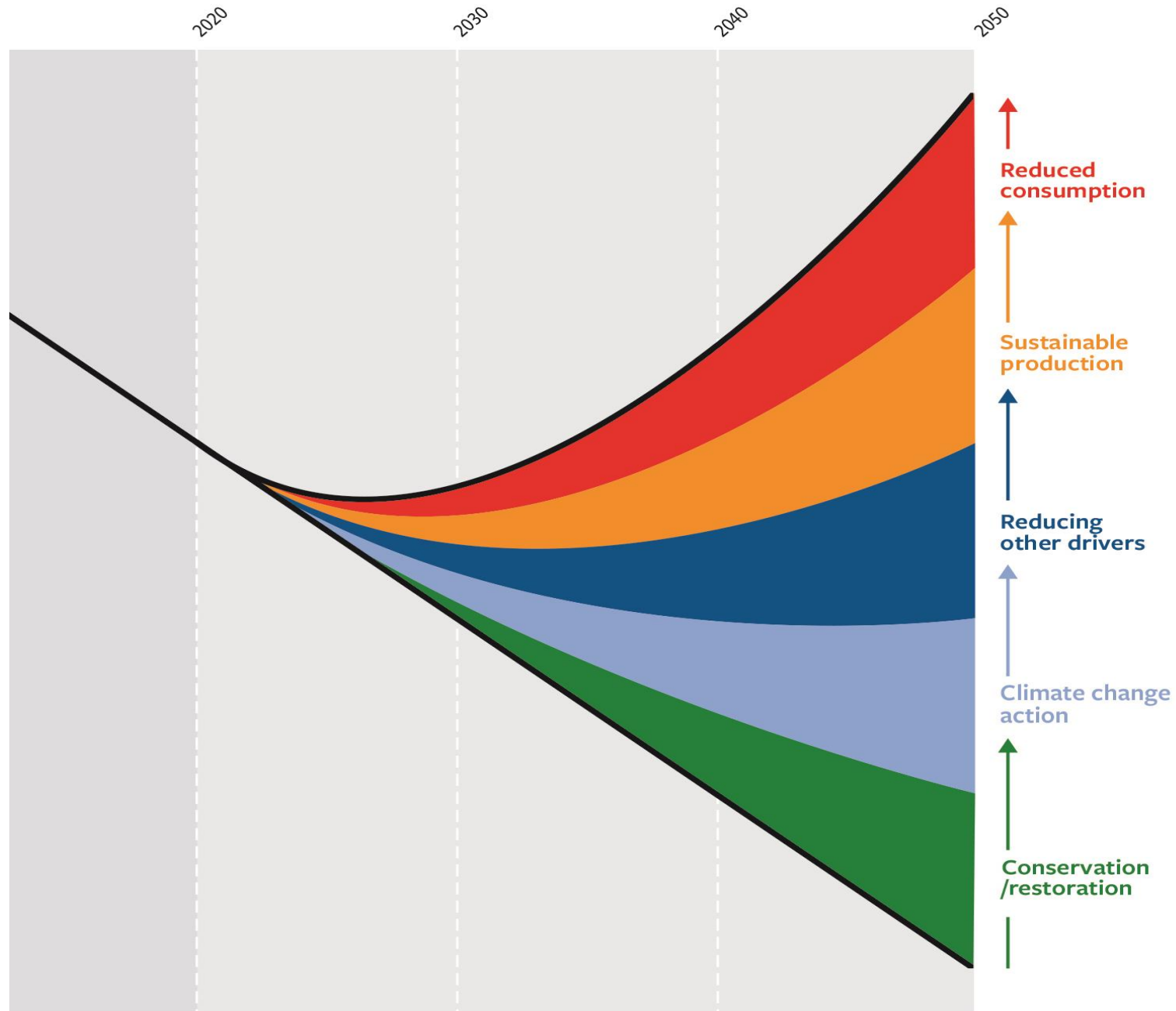
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International  
Plant Protection  
Convention



WORLD ORGANISATION FOR ANIMAL HEALTH  
*Protecting animals, preserving our future*



**Manage pathways**  
**Prevent introductions**  
**Reduce risks**  
from  
invasive alien species



Life in harmony, into the future



2050 Vision “Living in Harmony with Nature”

By 2030,  
putting nature  
on a path to  
recovery

The Post- 2020 Global Biodiversity Framework: