



Convention on  
Biological Diversity

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# CBD Guidance on invasive alien species

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UNITED NATIONS DECADE ON  
**ECOSYSTEM  
RESTORATION**  
2021-2030



# On this presentation

- An overview of key tools and guidelines on IAS that have been produced under the CBD
- Overview of the IAS-CBD website showing where you can find useful information



# The core of our work on IAS

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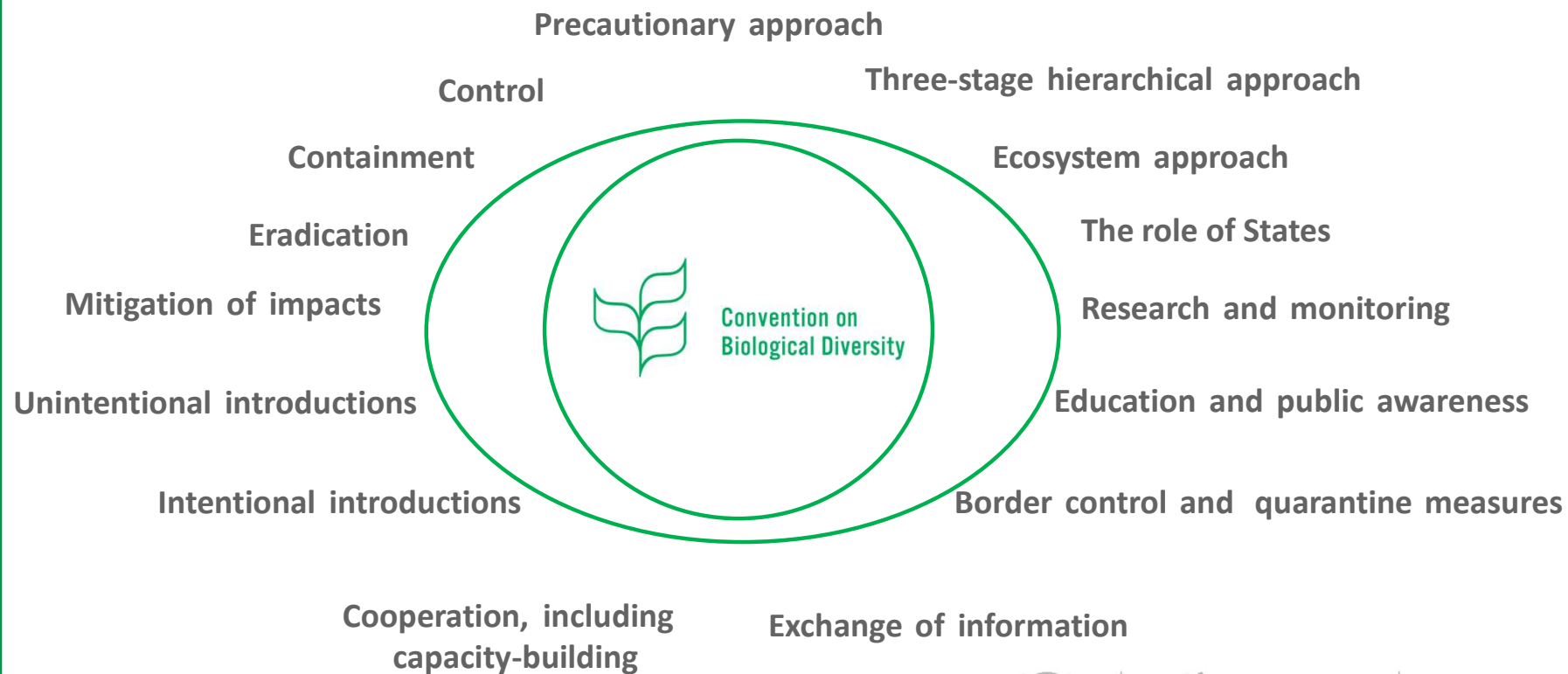
## The guiding principles





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# Guiding Principles for the work on IAS

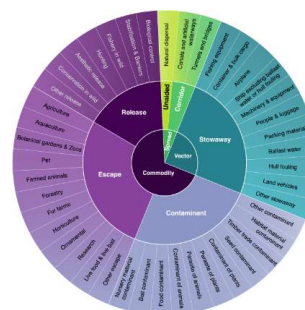


# CBD's approach : COP decisions

Under CBD several decisions contain guidance addressing important issues such as the international regulatory framework, international cooperation or important pathways



2020 UN BIODIVERSITY CONFERENCE  
COP 15 - CP/MOP10 - NP/MOP4  
Ecological Civilization-Building a Shared Future for All Life on Earth  
KUNMING - MONTREAL



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RESTORATION  
2021-2030

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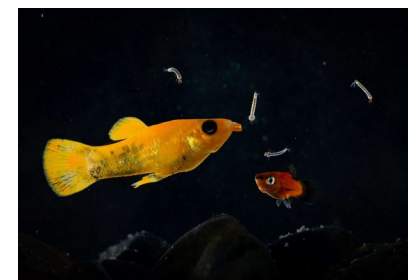
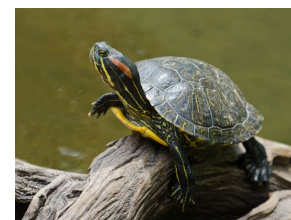
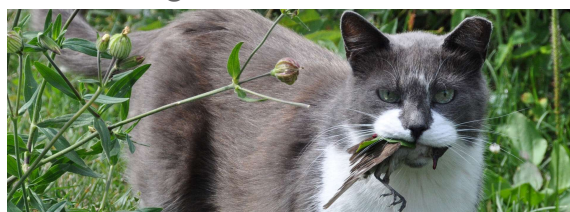
# Some examples of guidance produced under the CBD



# GUIDANCE ON DEVISING AND IMPLEMENTING MEASURES TO ADDRESS THE RISKS ASSOCIATED WITH THE INTRODUCTION OF ALIEN SPECIES AS PETS, AQUARIUM AND TERRARIUM SPECIES, AND AS LIVE BAIT AND LIVE FOOD

Provides elements that may be used for the development of regulations, codes of conduct voluntary codes of conduct and other guidance.

- Prevention and responsible conduct
- Risk assessment and management
- Measures
- Information sharing
- Consistency with other international obligations



2014 COP decision XII/16 species: management of risks associated with introduction of alien species as pets, aquarium and terrarium species, and as live bait and live food, and related issues





# Additional ways and means to address the risks associated with trade in wildlife

Reducing the risk associated with trade in invasive alien species sold via e-commerce

Reducing the risk of invasive alien species moving with sea containers

Biological control of invasive alien species



Invasive plants most frequently advertised on an e-commerce platform during a 12-month period. These plants are prohibited to trade in one or more Australian jurisdictions. Maher et al 2023. Neobiota 87:45-72.





## Summary of technical considerations for the use of biological control agents to manage invasive alien species

This guidance provides specific information on addressing biological control and IAS such as:

- Classical biological control
- Precautionary approach and risk assessment and management
- Planning and implementation of biological control programmes
- Post-release monitoring, emergency plan and rapid response
- Decisions on the release of biological control agents
- Capacity development



**2016 COP decision XIII/13** invasive alien species: addressing risks associated with trade, experiences in the use of biological control agents, and decision support tools





# Cost-benefit, cost-effectiveness and multi-criteria analysis methodologies that best apply to the management of invasive alien species

## Cost benefit analysis

by which monetary values are used to assess both the costs and benefits of managing specific species or applying management actions;

## Cost effectiveness analysis

by which the costs of implementing a programme are assessed against the benefits

## Multi-criteria analysis

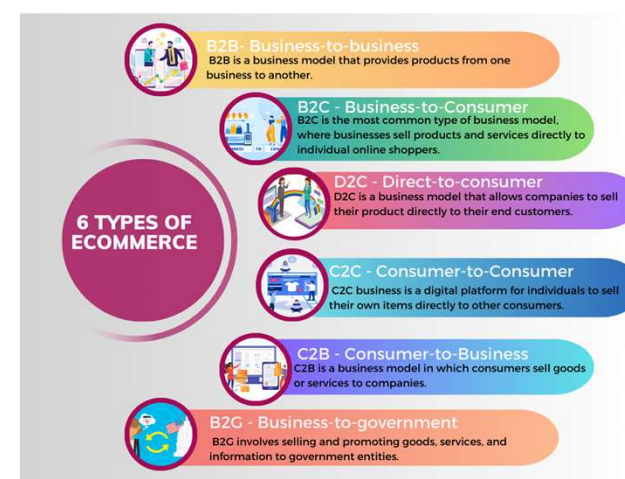
Methodologies by which a wide range of criteria, often measured in various ways, are assessed to prioritize a variety of intervention options



# Identification and minimization of additional risks associated with **cross-border e-commerce** in live organisms and the impacts thereof

Suggested actions to address e-commerce for:

- 1) National and subnational authorities and border agencies on legislation, policy and technical actions, stakeholders' engagement as well as on monitoring and compliance
- 2) Web marketplaces (sale platforms), e-payment service providers and postal and express courier services.
- 3) Relevant international organizations, bodies and agreements, including standard-setting organizations

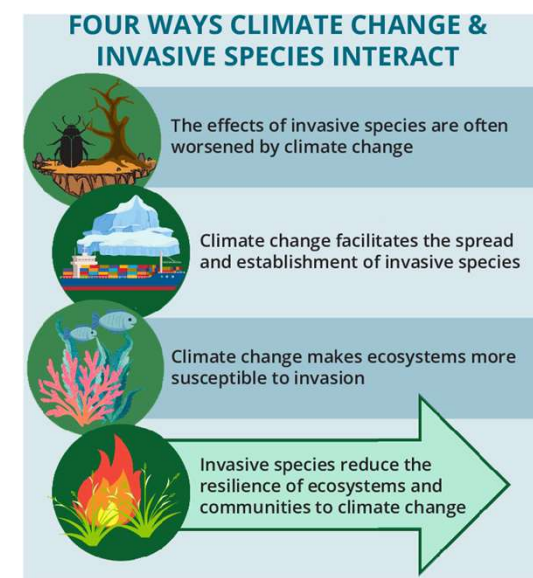


## Management of invasive alien species as it relates to the prevention of potential risks arising from **climate change and other drivers of biodiversity loss**

Linkages between invasive alien species, climate change and other drivers of biodiversity loss

Provides guidance on:

1. Prediction
2. Planning and prevention
3. Management
4. National, regional and international cooperation



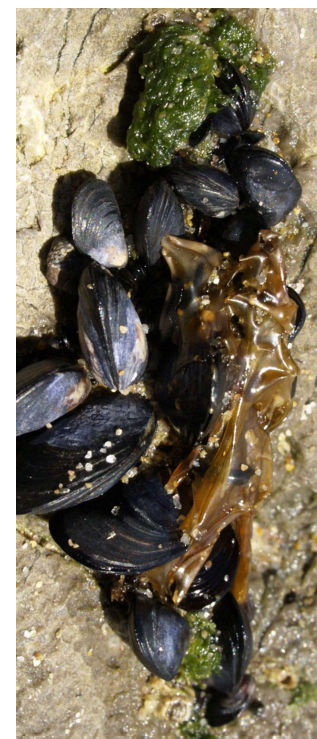
Greenwood, Leigh & Brewington, Laura & Rodgers, LeRoy & Zajicek, Paul. (2023). Invasive Species Threaten the Success of Climate Change Adaptation Efforts. 10.13140/RG.2.2.35659.81441.

# Risk analysis of the potential consequences of the introduction of invasive alien species on socioeconomic and cultural values

Socioeconomic and cultural values are often context-dependent, as they may include such issues as security, material and non-material assets, health and social, spiritual and cultural relationships

Consideration of socioeconomic and cultural values includes

- (a) **Recognizing and respecting** the traditional knowledge, innovations and practices of indigenous peoples and local communities, women and youth
- (b) Promoting knowledge and information-sharing through **culturally appropriate solutions** and capacity-building;
- (c) **Include socioeconomic and cultural values more explicitly** when assessing the costs, benefits and prioritization of management measures.
- (d) **Consideration of the socioeconomic and cultural impacts** of invasive alien species
- (e) **Assess the impacts on people and communities** of an intervention for the management of alien and invasive alien species.





# Relevance of databases to support the management of invasive alien species

**Access to information on invasive alien species is essential for designing effective actions to minimize the impact of invasive alien species.**

**Requires well-maintained databases with agile systems**

**Reduce the time lag** between the detection of an alien species in the field and the availability of that information online.

The use of a common, well-defined and accepted **terminology**

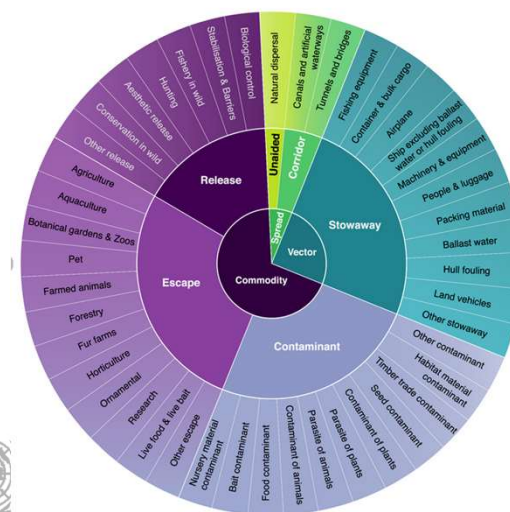
Ensure **continued data availability** in support of decision-making.

**Guidance on maintenance** of efficient, timely and high-quality up-to-date standardized data and information for the management of invasive alien species





Progress toward pathway prioritization in compliance to Aichi target 9 2020 UNEP/CBD/SBSTTA/20/INF/5



# IAS website

BIODIVERSITY CONVENTION | CARTAGENA PROTOCOL | NAGOYA PROTOCOL | COUNTRIES | PROGRAM

## INVASIVE ALIEN SPECIES

### INVASIVE ALIEN SPECIES

#### WHAT ARE INVASIVE ALIEN SPECIES?

#### WHAT'S THE PROBLEM?

#### WHAT NEEDS TO BE DONE?

#### WHAT DO WE DO?

- > Guiding Principles for the prevention, introduction and mitigation of impacts of alien species that threaten ecosystems, habitats or species
- > Target 6 on Invasive Alien Species
- > Inter-agency Liaison Group on Invasive Alien Species
- > COP Decisions

#### TOOLS AND RESOURCES

- > CBD Toolkit for Target 6
- > Glossary of Terms
- > Guidance, tools and databases
- > IAS Photo Gallery
- > National and Thematic Reports

#### ACTIVITIES

- > Current Activities
- > Past activities

### INVASIVE ALIEN SPECIES

FRIDAY // 11.29.2024

## Invasive Alien Species

### Direct driver of biodiversity loss

Invasive alien species are a main driver of biodiversity loss across the world, they have severe negative impacts on biodiversity, health and economic activities. Article 8(h) of the Convention on Biological Diversity states that, 'Each contracting Party shall, as far as possible and as appropriate, prevent the introduction of, control or eradicate those alien species which threaten ecosystems, habitats or species'. In line with this, the Conference of the Parties has identified Invasive alien species as a crosscutting issue and has produced a number of decisions [Decisions](#) on invasive alien species through the years.

In addition, The Kunming Montreal Global Biodiversity Framework which was adopted in 2022, with the aim to *halt and reverse biodiversity loss to put nature on a path to recovery (...)*, has a Target focused on invasive alien species ([Target 6](#)) which is meant to be achieved by 2030.

## What's new

Training and awareness raising materials on invasive alien species available [here](#)

## Meetings

Click [here](#) for information on CBD meetings

## Notifications

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## ACTIVITIES

- › Current Activities
- › Past activities
  - › Online Forum 2023
  - › Peer review Annexes Dec 15/21 2023
  - › Online Forum 2019
  - › Partnership on Islands 2010
  - › Global Invasive Alien Species Information Partnership

# Target 6 Page

## INVASIVE ALIEN SPECIES



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> Target 6 on Invasive Alien Species

> Target 6 Guiding questions for national target-

> Indicators for Target 6 on Invasive Alien Species

> Inter-agency Liaison Group on Invasive Alien Species

> COP Decisions

INVASIVE ALIEN SPECIES // TARGET 6 ON INVASIVE ALIEN SPECIES

TUESDAY // 12.10.2024

## Target 6 on Invasive Alien Species

Invasive alien species are one of the main direct drivers of biodiversity loss. In some ecosystems, such as islands, invasive alien species are the leading cause of biodiversity decline. Invasive alien species affect biodiversity by competing with native species for resources, by direct predation or by introducing pathogens. They also modify the composition and structure of ecosystems, reducing the services they provide.

In addition to their environmental impacts, invasive alien species pose a threat to food security, human health and economic activities. Globalization and an



Kunming-Montreal  
GLOBAL BIODIVERSITY FRAMEWORK



# Tools and Guidelines page

INVASIVE ALIEN SPECIES // GUIDANCE, TOOLS AND DATABASES

## Guidance, tools and databases

This section presents a list of resources that can support Parties and other stakeholders to address invasive alien species and to implement Target 6 of the Kunming-Montreal Global Biodiversity Framework. The resources are presented in two main groups:

### A. Resources related to the elements of Target 6

These resources are grouped into four categories, one on baseline information and the others on the different elements of target 6:

Baseline information and prioritization	▼
Resources for managing pathways of introduction	▼
Resources for preventing the introduction and establishment of alien species	▼
Resources for the eradication and control of invasive alien species	▼

### B. Resources produced by international organizations that can be useful to the work on invasive alien species

These resources are grouped into four categories, one on baseline information and the others on the different elements of target 6:







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# Thank You!



Kunming - Montreal  
**GLOBAL BIODIVERSITY FRAMEWORK**

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on Biological Diversity

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[www.cbd.int](http://www.cbd.int)



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