

Developed over 4 years

- 3 Authors meetings (Tsukuba, online & Aarhus)
- 2 External reviews
- 1 Additional review by governments

Produced by a multidisciplinary team of 86 experts and many contributing authors

Over 13,000 documents reviewed in depth

Various values and knowledge systems considered, drawing on scientific and grey literature, and information from indigenous and local knowledge

Engagement with Indigenous and local knowledge

3 dialogue workshops (Montreal and online),

a call for contributions, and

collaboration with ILK experts and holders within the expert team and as contributing authors

Meet the team

86 nominated experts from 47 countries, encompassing all regions and many disciplines

About 200 contributing authors

Supported by a management committee Technical support unit based in Japan (Institute for Global Environmental Strategies, IGES)



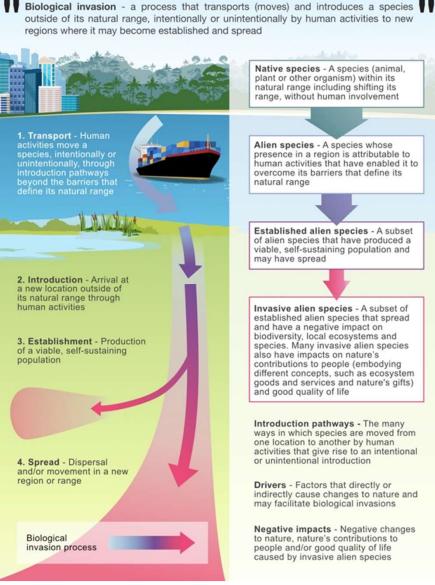


Invasive alien species are one of the 5 major drivers of biodiversity loss

Alien species are animals, plants, and other organisms that have been introduced by human activities to new regions

Invasive alien species are a subset of alien species, known to have established and spread with negative impacts on nature. Many invasive alien species also have impacts on people





Established alien species - A subset of alien species that have produced a viable self-sustaining ropulation and viable self-sustaining ropulation representation and viable self-sustaining ropulation representation representation representation representation representation representation representa

to describe the process involving the intentional or unintentional transport or movement of a species outside its natural range by human activities and its introduction to new regions, where it may become established and spread.



People and nature are threatened by invasive alien species in all regions of Earth

37,000 established alien species have been introduced by human activities worldwide

200 new alien species every year

3,500 invasive alien species, with negative impacts on nature, and also on people

More than 2,300 invasive alien species are found on lands of Indigenous Peoples across all regions of Earth

Chytrid fungus Nature Red fox Nile perch Red imported **Impacts** Good quality of Water hyacinth Southern house Sea walnut mosquito

Current policies have been insufficient in managing biological invasions and preventing and controlling invasive alien species

Although most countries (80%) have targets for the management of biological invasions within their national biodiversity strategies and action plans

83% of countries do not have national legislation or regulations directed specifically toward the prevention and control of invasive alien species.

Nearly half of all countries (45%) do not invest in management of invasive alien species



A few numbers on impacts



of global species
extinctions have
been caused, solely
or alongside other
drivers, by invasive
alien species

>\$423 billion

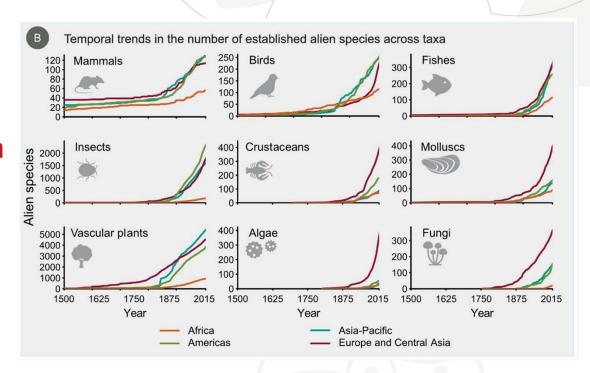
is the estimated global annual costs of biological invasions in 2019.

85%

of impacts on nature and good quality of life are negative 80%

of impacts on nature's contributions to people are negative

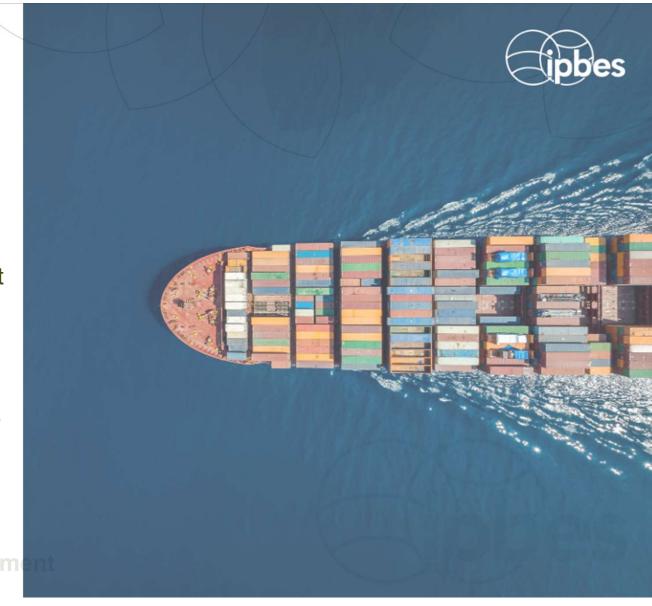
The threats from invasive alien species are increasing significantly in every region



People at the heart of the problem...

Many human activities facilitate the transport, introduction, establishment and spread of invasive alien species

If things remain unchanged, by 2050 the total number of alien species globally is expected to be about one-third higher than in 2005.





Other drivers of change such demographic, economic, and land- and sea-use change are increasing and can amplify the threats and impacts of invasive alien species

Climate change will also be a major cause of future increases in the risk of invasive alien species

... People at the heart of the solution

Biological invasions and their adverse impacts can be prevented and mitigated through effective management

There are 3 management options:

- (a) management of pathways of introduction and spread of invasive alien species;
- (b) management of target invasive alien species at either local or landscape scales; and
- (c) site-based or ecosystem-based management.

Management includes prevention, preparedness, eradication, containment, control and ecosystem restoration

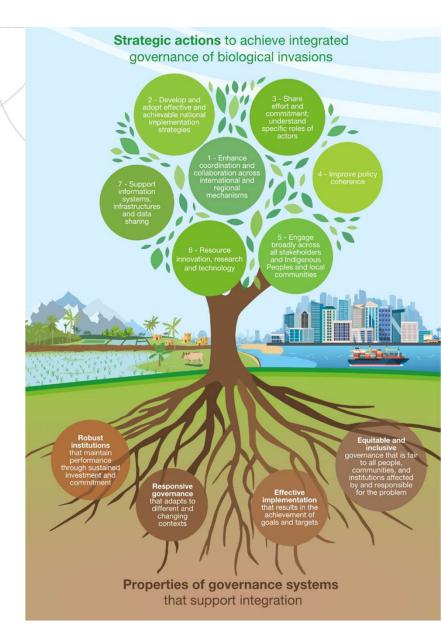




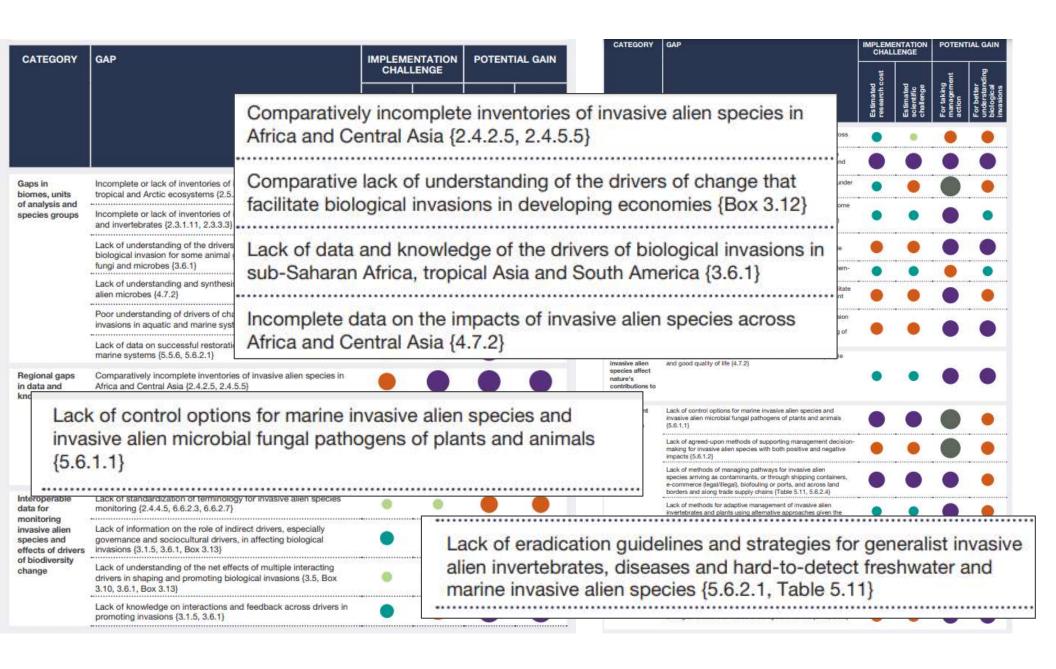
Ambitious progress in biological invasion management can be achieved with integrated governance

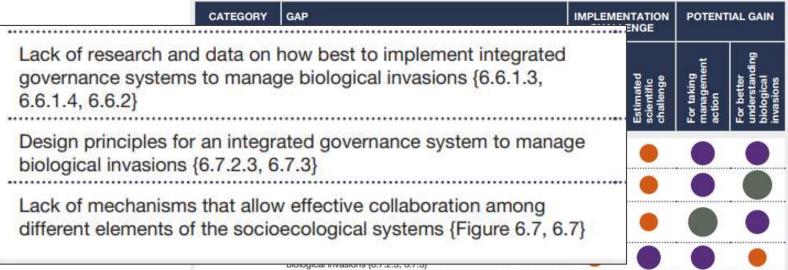
In December 2022, Governments have agreed to

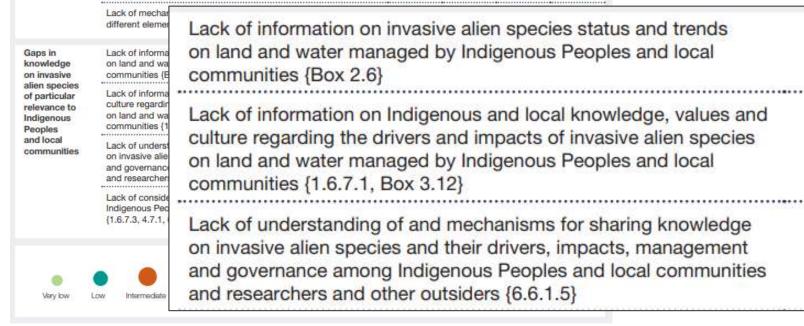
"Eliminate, minimize, reduce and or mitigate the impacts of invasive alien species on biodiversity and ecosystem services by identifying and managing pathways of the introduction of alien species, preventing the introduction and establishment of priority invasive alien species, reducing the rates of introduction and establishment of other known or potential invasive alien species by at least 50 per cent by 2030, and eradicating or controlling invasive alien species, especially in priority sites, such as islands" Kunming-Montreal Global Biodiversity Framework, Target 6.



| CATEGORY | GAP | IMPLEMENTATION POTENTIAL GAIN | | IMPLEMENTATION CHALLENGE | | N POTENTIAL GAIN | |
|---|--|--|--|-----------------------------|--------------------------------|------------------------------|---|
| | | CHALLENGE timated partial imated im | knowledge sources across | Estimated research cost | Estimated scientific challenge | For taking management action | For better understanding biological invasions |
| | | Incomplete or lack of inventories of invasive alien species in marin | e, cost-effective | | | | • |
| Gaps in biomes, units of analysis and species groups | Incomplete or lack of inventories of invasiv tropical and Arctic ecosystems {2.5.2.1, 2.5 | tropical and Arctic ecosystems {2.5.2.1, 2.5.2.4, 2.5.2.5, 2.5.4} | management under | • | 0 | | • |
| | Incomplete or lack of inventories of invasive and invertebrates {2.3.1.11, 2.3.3.3} | Incomplete or lack of inventories of invasive alien microorganisms | ic taxon and biome ining when to ement (or both) | • | • | | • |
| | Lack of understanding of the drivers of cha biological invasion for some animal groups fungi and microbes {3.6.1} | and invertebrates {2.3.1.11, 2.3.3.3} | sments and d biomes (Table | • | | | • |
| | Lack of understanding and synthesis of the alien microbes {4.7.2} | Lack of understanding of the drivers of change that facilitate | sitions that facilitate nto management | • | • | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | Poor understanding of drivers of change th invasions in aquatic and marine systems {3 | biological invasion for some animal groups (notably invertebrates), fungi and microbes {3.6.1} | rant at national g-term tracking of | 0 | • | | • |
| | Lack of data on successful restoration atte marine systems {5.5.6, 5.6.2.1} | Lack of understanding and synthesis of the impacts of invasive | nment (6.6.3) utions to people | | | | F-1 |
| Regional gaps in data and knowledge | Comparatively incomplete inventories of in Africa and Central Asia {2.4.2.5, 2.4.5.5} | alien microbes {4.7.2} | | | | | |
| | Comparative lack of understanding of the of facilitate biological invasions in developing | Poor understanding of drivers of change that facilitate biological | n species and ints and animals | | | | • |
| | Lack of data and knowledge of the drivers sub-Saharan Africa, tropical Asia and Sout | invasions in aquatic and marine systems {3.6.1} | anagement decision litive and negative | • | • | • | • |
| | Incomplete data on the impacts of invasive Africa and Central Asia {4.7.2} | Lack of data on successful restoration attempts in terrestrial and | asive allen lipping containers, and across land | | | | • |
| Interoperable data for monitoring invasive alien species and effects of drivers of biodiversity change | Lack of standardization of terminology for i monitoring {2.4.4.5, 6.6.2.3, 6.6.2.7} | marine systems {5.5.6, 5.6.2.1} | nvasive alien paches given the | • | • | • | • |
| | Lack of information on the role of indirect drivers, especially governance and sociocultural drivers, in affecting biological invasions {3.1.5, 3.6.1, Box 3.13} | | to-detect freshwater and | • | • | • | • |
| | Lack of understanding of the net effects of multiple interacting divers in shaping and promoting biological invasions {3.5, Box 3.10, 3.6.1, Box 3.13} Lack of knowledge on interactions and feedback across drivers in the shaping and promoting biological invasions {3.5, Box 3.16} Lack of knowledge on interactions and feedback across drivers in the shaping and promoting biological invasions and factor governance to biological invasions and factor shaping and promoting biological invasions and factor governance to biological invasions and factor shaping and promoting biological invasions and factor governance to biological invasions and factor shaping and promoting biological invasions and | | change (2.6.5, 6.6.1.6) | | • | | • |
| | | | d factors important to the i.4.4.5) | | • | | • |
| | Lack of knowledge on interactions and feedback across drivers in promoting invasions (3.1.5, 3.6.1) Incomplete data on the effectiveness of policie strategies and actions related to biological inva | | | | • | | |

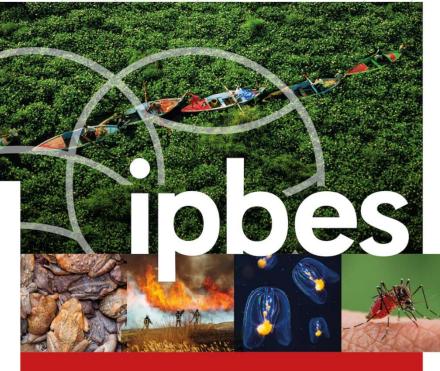






There is compelling evidence for immediate and sustained action

With sufficient resources and long-term commitment, preventing and controlling invasive alien species are attainable goals that will yield significant long-term benefits for people and nature.



The thematic assessment report on

INVASIVE ALIEN SPECIES AND THEIR CONTROL





The invasive alien species Assessment is the first comprehensive global report on invasive alien species and their control

It provides the best-available evidence, critical analysis and options for governments, civil society, Indigenous Peoples and local communities, the private sector and all those seeking to address the issue of biological invasions

The findings of the invasive alien species assessment are expected to contribute to achieving international targets on biological invasions:

- Target 6 of the Kunming-Montreal Global Biodiversity Framework
- Support implementation of the Sustainable Development Goals of the 2030 Agenda for Sustainable Development, especially Goal 15



The invasive alien species Report will support sharing of information within and across countries

The Report will also support capacity building globally, especially in developing countries

#InvasiveAlienSpecies Assessment

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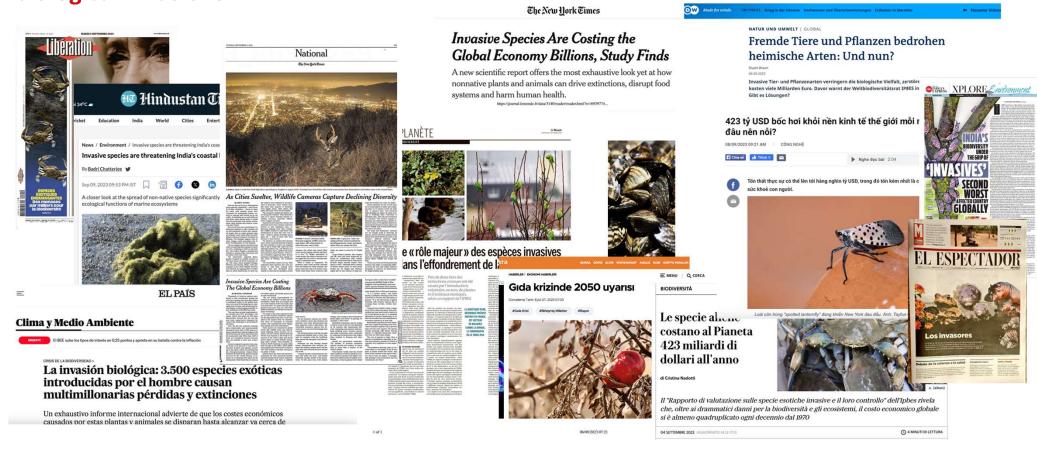
GBIF ramps up support of information needed to tackle invasive alien species

New task group to address data challenges revealed by IPBES assessment, national needs for tracking progress toward reducing impacts of invasive alien species

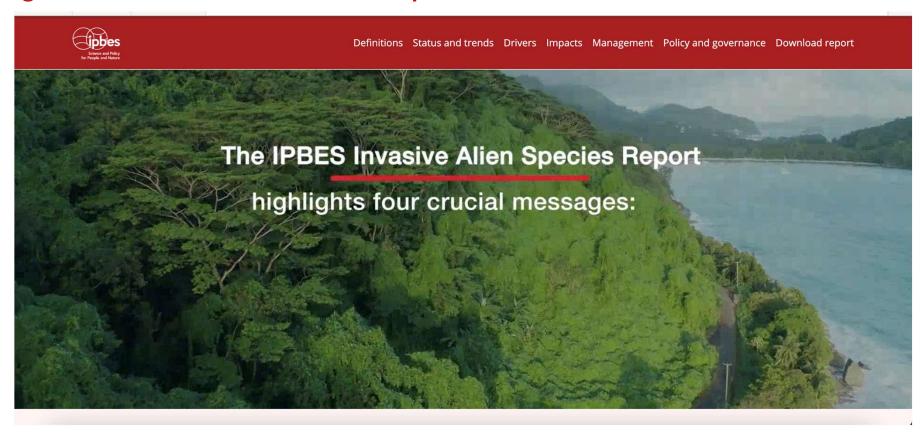




The invasive alien species Report will contribute to raise awareness on the issue of biological invasions



The invasive alien species Report will contribute to raise awareness on the issue of biological invasions: an educational web platform



Preliminary uptakes and impacts

Communication on the issue of biological invasions: revision of a national communication strategy to align with the language from the Assessment (Belgium), official communication (Chile, France), translation of the summary for policymakers (South Korea, Japan – in progress)

Presentations and events organized by Japan, the UK, Finland, France, Norway, CABES (Africa), EU Parliament, BES-Net, UNDP, Argentine Society of Ecology, and many others

Presence in policy fora: CBD SBSTTA-25, G7

Action from a science network: A new GBIF task group will address the need for improved access to better data and information on invasive alien species

Action from the private sector: Impact Pathway for invasive alien species (~30 international companies such as BASF, Bayer, Holcim, SAP, BNP Paribas etc.), .), Invasive Species Corporation secures \$2.5m from Silverstrand Capital to develop

Funding opportunities: AU\$2.2M for the control of Buffel Grass in South Australia

Register impacts at: https://www.ipbes.net/impact-tracking



L'@IPBES m'a remis son rapport d'évaluation sur les espèces exotiques

Ce rapport, que je salue, nous donne un cadre précis et opérationnel pour renforcer la Stratégie nationale #biodiversité que je présenterai prochainement.



Ministeres Ecologie Energie Territoires et 4 autres

11:00 PM - 26 sept. 2023 - 3 236 vues









