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Thematic assessment of invasive alien species and their control

Science in Focus: Ongoing IPBES Assessments & Opportunities for Engagement

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1.

Introduction



Co-chairs of the IPBES thematic assessment of invasive alien species



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Expert group of the IPBES thematic assessment of invasive alien species

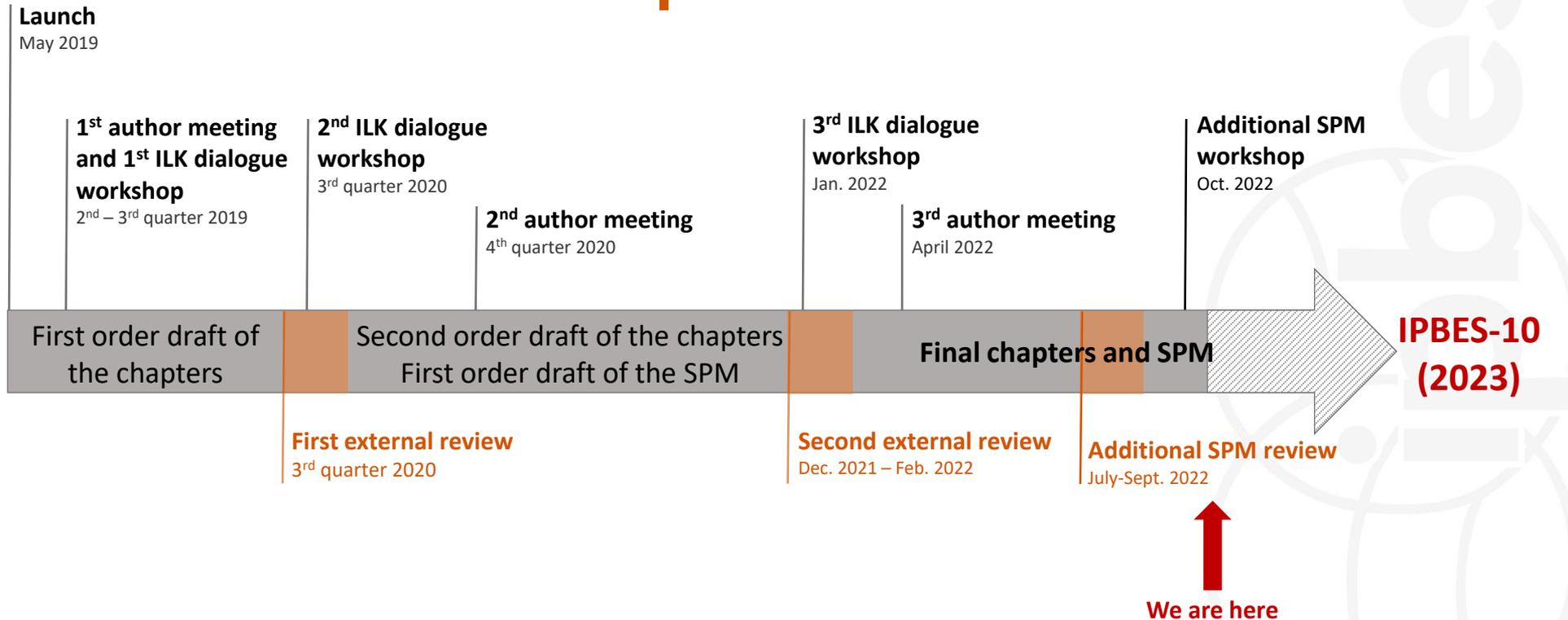
86 nominated and selected experts, encompassing all regions and disciplines:

- 3 co-chairs
- 14 coordinating lead authors
- 45 lead authors
- 12 fellows
- 172 contributing authors
- 12 review editors

... supported by a technical support unit



Timeline of the IPBES thematic assessment of invasive alien species



2.

Objectives and scope



Objectives of the IPBES thematic assessment of invasive alien species

- **Invasive alien species were identified as one of the main direct drivers of biodiversity loss worldwide (Global Assessment, 2019)**
- **This assessment assesses available knowledge on**
 1. The status and trends of invasive alien species
 2. Their impacts on nature, nature's contributions to people and good quality of life
 3. The major pathways and drivers affecting biological invasions
 4. Management options
 5. The effectiveness of current international, national and subnational control measures and associated policy options
- **This assessment supports the formulation of better policies and management responses to prevent invasive alien species and limit their impacts**

Structure of the IPBES thematic assessment of invasive alien species

- **Chapter 1:** Introducing biological invasions and the IPBES thematic assessment of invasive alien species and their control
 - **Chapter 2:** Trends and status of alien and invasive alien species
 - **Chapter 3:** Drivers of biodiversity change affecting biological invasions
 - **Chapter 4:** Impacts of biological invasions on nature, nature's contributions to people, and good quality of life
 - **Chapter 5:** Managing biological invasions: approaches, effectiveness and constraints
 - **Chapter 6:** Governance and policy instruments for the prevention and control of biological Invasions

 - Cross-cutting themes: good quality of life; indigenous peoples and local communities; scenarios and models
- **Glossary**

 - **Summary for policymakers**

Methodology of the IPBES thematic assessment of invasive alien species

- **Authors have assessed more than 10500 pieces of evidence, with the aim of**
 - taking into account various knowledge and value systems, including local and indigenous knowledge
 - Representing all regions and contexts
 - Taking into account all disciplines
 - Identifying knowledge and data gaps
 - Respecting the FAIR principles (Findability, Accessibility, Interoperability, and Reusability) and the data management policy
- **Authors were guided by the IPBES conceptual framework and previous IPBES assessments**

3.

Policy relevance



Policy relevance of the thematic assessment of invasive alien species

- **The assessment is policy-relevant but not policy-prescriptive**, and presents policy options for decision-makers and managers to prevent and manage invasive alien species
- **The summary for policymakers and the chapters' executive summary include confidence terms**, referring to how assured experts are about the findings (data and information) presented:
 - **Well established** (low quantity and quality of evidence, high level of agreement)
 - **Established but incomplete** (low quantity and quality of evidence, high level of agreement)
 - **Unresolved** (high quantity and quality of evidence, low level of agreement)
 - **Inconclusive** (low quantity and quality of evidence, low level of agreement)

Policy context

- **The assessment responds to Aichi Biodiversity Target 9**
“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”
- **It also contributes to Sustainable Development Goal 15, target 15.8**
“By 2020, introduce measures to prevent the introduction and significantly reduce the impact of invasive alien species on land and water ecosystems and control or eradicate the priority species”

The expert group is also following the development of the Post-2020 Global Biodiversity Framework



Thank you!

¡Gracias!

Merci !



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