

# IPBES invasive alien species assessment, data management report for Chapter 3. Section 3.2.5: Policies, governance, and institutions

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## Description

Section 3.2.5 assesses the role of international institutions and organizations as drivers of biological invasions for chapter 3 of IPBES thematic assessment of invasive alien species and their control. The experts conducted a systematic review to report on the existing knowledge on this driver. This systematic review consists in the main source of evidence for the section.

In addition, further references suggested by internal reviewers (ZOD and FOD) and external reviewer (FOD and SOD) were revised and included, when appropriate

## Process overview

I carried out multiple searches in Scopus, read the title and when relevant, also the abstract of the 100 first titles of each search to select the potentially relevant papers. I read and selected 26 of them and after that added 3 additional papers.

## Protocol

- **Type of analysis/search/review:** literature review

- **Search language(s):** English

### - Search terms

TITLE-ABS-KEY ( "international governance" OR "cross-border" OR polic\* OR agreement\* OR convention AND introduc\* OR invasi\* OR spread\* OR alien OR exotic OR non-native OR non-indigenous ) AND DOCTYPE ( ar OR re ) AND PUBYEAR > 1999 AND ( LIMIT-TO ( SUBJAREA , "AGRI" ) OR LIMIT-TO ( SUBJAREA , "ENVI" ) )

TITLE-ABS-

KEY ( governance OR polic\* OR treaty AND international OR intergovernmental OR multilateral OR cross-

border OR region\* AND transport\* OR spread\* OR introduc\* OR invas\* OR alien OR non-native OR non-indigenous ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) OR LIMIT-TO ( DOCTYPE , "re" ) ) AND ( LIMIT-TO ( SUBJAREA , "ENVI" ) OR LIMIT-TO ( SUBJAREA , "AGRI" ) )

TITLE-ABS-KEY ( "international governance" OR polic\* OR agreement\* AND introduc\* OR invasi\* OR spread\* OR alien OR exotic OR non-native OR non-indigenous ) AND DOCTYPE ( ar OR re ) AND PUBYEAR > 1999 AND ( LIMIT-TO ( SUBJAREA , "AGRI" ) OR LIMIT-TO ( SUBJAREA , "ENVI" ) )

TITLE-ABS-KEY ( "carbon sequestration" AND introduc\* OR alien OR invasive\* OR invader OR non-native OR non-indigenous ) AND DOCTYPE ( ar OR re ) AND PUBYEAR > 1999

#### **- Search engine**

Scopus

#### **- Date**

From 23/09/2019 to 27/09/2019

#### **- Overview of the search results and selection criteria**

##### Number of search result:

I read the Title and Abstract of the first 100 results of each search. From these initial searches, I selected and reviewed 26 papers.

##### Selection criteria:

Selection criteria was that the contribution should address the role of international institutions, organizations and supranational governance as an indirect driver or invasive alien species along any of the stages of the invasion continuum.

##### Number of added papers (experts' knowledge and reviewers' recommendations):

I added 3 additional papers based on experts' knowledge, reviewers' recommendations and further reading.

#### **- Step by step analysis (methodology, categories, etc.)**

##### Number of papers reviewed:

29 (See [Chapter 3 literature review masterdatabase.xlsx](#))

##### Fields extracted:

- Publication title
- Year of publication
- Invasion stage [Uptake and transport; Introduction; Establishment; Spread]
- Biomes [Terrestrial; Freshwater; Marine]
- Taxon [Plant; Vertebrate; Invertebrate; Microbes]
- Type of study [Primary study; Review; Meta-analysis]
- Region [Europe and Central Asia; Asia-Pacific; Oceania; Americas; Africa]
- Unit of analysis [IPBES units of analysis]
- Cross-cutting theme [Scenarios and models; indigenous and local knowledge; Good quality of life]
- Comment (free text)

- Files (code, review templates, etc.):

[Chapter 3 literature review masterdatabase.xlsx](#)