

IPBES IAS assessment, data management report for cross-chapter literature review on indigenous peoples and local communities and invasive alien species

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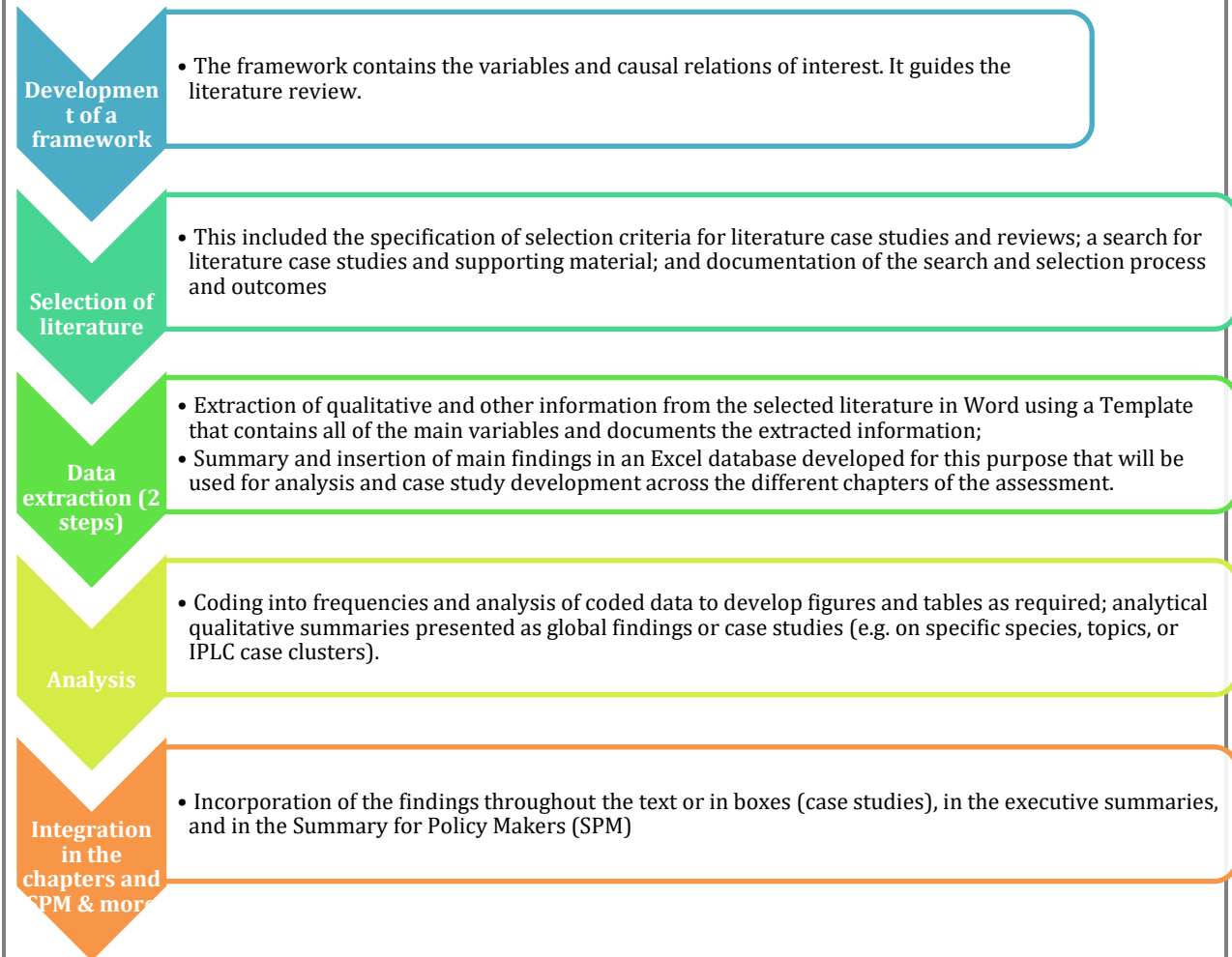
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Description

In order to respond to the IPBES mandate on indigenous and local knowledge (ILK), and to the scoping document for the IPBES thematic assessment of invasive alien species (IAS) and their control, the expert group conducted a cross-chapter literature review on the relationships between invasive alien species

(IAS) and indigenous peoples and local communities (IPLC). This literature review provides evidence on IPLC perception, and indigenous and local knowledge on trends, drivers, impacts, management and governance of invasive alien species.

Process overview



Protocol

Development of a framework

The indigenous and local knowledge (ILK) liaison group developed a framework that contains the variables and causal relations of interest, which were derived from a previous meta-analysis of case studies on invasive alien species and indigenous peoples and local communities (Howard 2019), as well as the two IPBES ILK dialogue workshops (see A. Framework)

Selection of literature

- Type of analysis/search/review: systematic literature review
- Search language(s): English
- Search terms:

(("indigenous people*" OR "indigenous group*" OR aborigine* OR traditional OR biocult*) OR ("first nation*" OR "first people*" OR amerindian* OR "fourth world") OR ("forest dependent" OR forest-dependent OR "forest people*" OR gatherer*) OR (hunter-gatherer* OR "hunter gatherer*" OR "hunting-gathering" OR "hunting gathering") OR (subsistence OR smallholder* OR "small-holder" OR "small holder") OR (fisher* OR fisherfolk OR fishermen OR fishing OR ntfp OR "non-timber forest product*") OR (tribal OR tribe* OR chiefdom)) AND (("ecological invasion*" OR "biological invasion*" OR "invasion biology" OR "invasion ecology") OR ("invasive species" OR "invasive alien*" OR "alien invasive*") OR (bioinvasion*) OR ("non-native species" OR "nonnative species")) AND (LIMIT-TO (SUBJAREA , "SOCIO") OR LIMIT-TO (SUBJAREA , "ARTS") OR LIMIT-TO (SUBJAREA , "MULT"))

Searches were also carried out on the above terms combined with specific species including: Fall Armyworm (*Spodoptera frugiperda*), *Lantana camara*, *Mikania micrantha*, *Chromolaena odorata*, Golden Apple Snail (*Pomacea canaliculata*), *Imperata cylindrica*, *Opuntia* spp., and *Prosopis* spp., which are known to have major impacts for IPLC in different parts of the world.

- Search engine: Scopus
- Date: February-April 2021
- Overview of the search results and selection criteria: B. Results_Citations

Review phase

See C. Guidance document and templates

Step by step analysis (methodology, categories, etc.):

See D. Methodological guidance (PPT)

Integration to each chapters:

Chapter 3:

Indigenous peoples and local communities around the world have many different languages, livelihoods, cultures, and they also live in various environments, experiencing distinct climates, geography, topography, and biodiversity. Indigenous peoples and local communities therefore have diverse and local perceptions, knowledge and interactions with invasive alien species. Their knowledge on invasive alien species drivers can support the monitoring of species and field-based changes and their management (chapter 2 and 5).

identified by words like 'training', 'campaigns' and 'capacity building'. #3. Self – identified based on words like 'experiment', 'notice', 'watching' and 'identifying'.

Files:

- A. Framework
- B. Results_Citations
- C. Guidance document and templates for literature review
- D. Methodological guidance for data analysis
- E. Compiled database