

IPBES VA Chapter 5. Systematic review of association between values of nature, nature's contributions to people and good quality of life and futures in scenarios, visions and pathways

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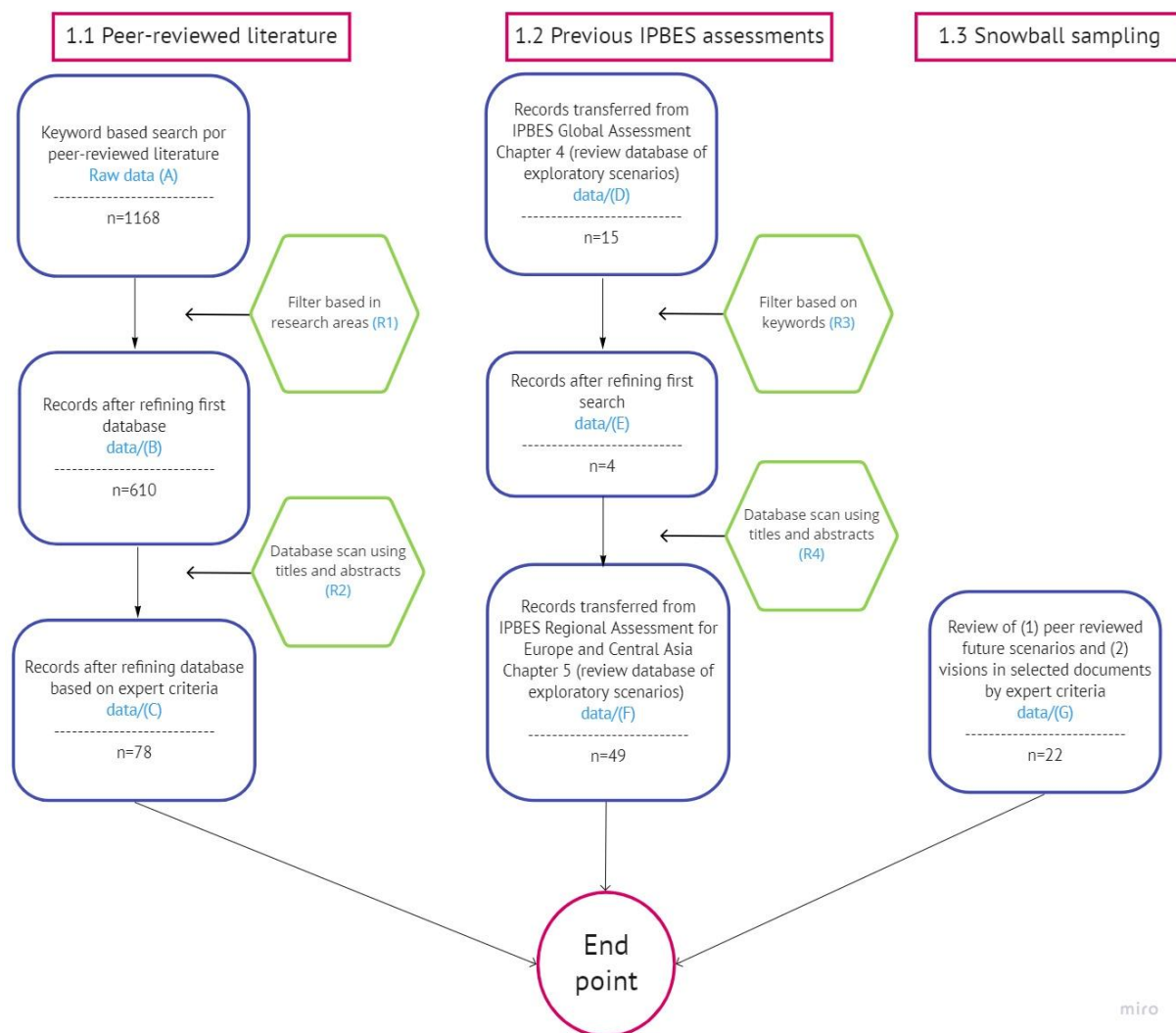
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Description: This review corresponds to the IPBES Values Assessment Chapter 5. The review explained in this report explores which values underpin different future scenarios, visions and pathways, and what the futures are in terms of impacts on nature, nature’s contributions to people and good quality of life. In order to achieve this, various data collection activities were carried out to gather different types of data. Steps followed are described in turn. A parallel analysis tracked whether there are different types of values of nature (e.g. instrumental, relational) and their dynamics (e.g. singular / plural, level of diversity, dominance of one / balance), associated with particular types of futures (e.g. undesirable / desirable, unsustainable / sustainable, dystopian / utopian). This review aims to contribute useful information for answering the mandate for the Chapter 5 that refers to the types of conceptualizations of the value of nature and its benefits to people that have not been explicitly addressed or have not been explicitly incorporated into decision-making.

Process overview



Protocol:

1. Peer-reviewed Literature

1.1 Type of analysis/search/review: Systematic keyword-based search of different types of futures works and scenarios.

Description: Keyword-based search for peer-reviewed literature. The keyword chain was designed through an iterative effort involving the chapter authors and was tested multiple times before its final use in identifying futures works for review. Acknowledging that any effort to define a keyword chain is limited, we argue that a) this keyword chain incorporates most of the terms commonly used in the futures literature focusing on nature, nature's contributions to people and good quality of life in parallel, while also recognising the role of values, and b) this keyword chain has performed sufficiently well in capturing relevant studies.

Search languages: English

Search Engine: Clarivate Analytics Web of Science

Exact Search Date: February 2019

Sample extracted (A): 1168 documents

Location and Format of the Data (A): IPBES_VA_5.2_February2019_(A).csv

Search terms (R1):

```
TS= (
  TITLE-ABS-KEY(
    (
      (nature OR ecosystem OR biodiversity OR ecological OR
      environment* OR cosmos OR creation OR "global commons")
    AND
      ("nature's contribution$ to people" OR "ecosystem service$" OR
      "environmental service$" OR "landscape service$" OR "adaptation
      service$" OR "ES" OR "NCP$" OR "value of biodiversity" OR "option
      value$" OR "existential value")
    AND
      ("quality of life" OR well$being OR social OR socio OR society
      OR societal OR economic OR socio$economic OR culture OR cultural OR
      just OR justice OR unjust OR inequity OR equity OR inequality OR
      inequal OR unequal OR sustainable OR sustainability OR "The Good Life"
      OR Eudemonia) OR (social-ecological OR socio-ecological OR
      socioecological OR social-environmental OR socio-environmental OR
      human-nature OR "people and nature" OR "people and ecosystem$")
    AND
      (future)
    AND
      (scenario OR vision OR pathway OR model OR impact OR "scenario
      analysis" OR "scenario planning" OR "scenario building" OR
      "participatory scenario$" OR anticipatory OR "anticipatory planning" OR
      foresight OR narrative OR storyline OR strategy OR projection OR
      simulation OR backcasting)
    AND
      (knowledge OR local)
    AND
      (knowledge OR integrat* OR multicriteria OR deliberative)
    AND
      (evaluat* OR multiple knowledge OR noesis OR multiple evidence
      base OR holistic OR trade-off OR tradeoff OR complex OR social-
      ecological OR human environmental OR socio-ecological OR human-
      environmental OR rights of rives OR rights of land OR rights to nature
      OR environmental right* OR instrumental)
    AND
      (value OR preference OR perception OR valuation OR Stewardship
      OR holistic OR Holism OR Respect OR Care OR Love OR harmony OR (value
      AND (instrumental OR non-instrumental OR anthropogenic OR
```

anthropocentric OR non-anthropocentric OR relational OR intrinsic OR biophysical OR economic OR socio-cultural OR future-oriented OR bequest OR insurance OR option OR "ecocentric" OR "biocentri*") OR "power" OR "self-transcendence" OR pluralis*)

Filters and screening criteria applied (R2): refining (A) by research areas (ENVIRONMENTAL SCIENCES ECOLOGY or BIODIVERSITY CONSERVATION) resulted in (B).

Sample size (B): 610 papers

Location and Format of the Data (B): IPBES_VA_5.2_February2019_(B).csv

Filters and screening criteria applied: Titles and abstracts of the papers were scanned by experts to omit obvious misfits, i.e. items that do not address values underpinning a future scenario, vision or pathway, and what the futures are in terms of impacts on nature, nature's contributions to people and good quality of life (R2). (C) is the set of remaining items.

$B + R2 = C$

Sample size (C): 78 documents.

Location and Format of the Data (C): IPBES_VA_5.2_April2019_(C).csv

1.2 Type of analysis/search/review: Incorporation of review results from the previous IPBES assessments

Description: We incorporated papers from the exploratory scenario review conducted in IPBES Global Assessment Chapter 4. The original database included 511 studies, out of which we received a filtered version of studies including references to nature, nature's contributions to people and good quality of life ($n = 15$). In addition, we incorporated papers from the IPBES Regional Assessment for Europe and Central Asia Chapter 5. The original database included 143 studies, out of which we received a filtered version of studies including references to Nature, nature's contributions to people, good quality of life and values ($n = 49$). Both databases were filtered using keywords for later coding.

Search languages: English

Search Engine: IPBES Global Assessment Chapter 4

Sample extracted: 15 documents (D)

Location and Format of the Data (D): IPBES_VA_5.2_08-04-2020_(D).csv

Search terms (R3): The studies were filtered by searching for references to values.

$D + R3 = E$

Sample size (E): 4 documents

Location and Format of the Data (E): IPBES_VA_5.2_March2020_(E).csv

Search languages: English

Search Engine: IPBES Regional Assessment for Europe and Central Asia Chapter 5

Sample extracted: 49 scenarios (F)

Location and Format of the Data (F): IPBES_VA_5.2_March2020_(F).csv

1.3 Type of analysis/search/review: Snowball sampling of illustrative peer-reviewed literature

Description: A snowball sampling approach was adopted with the aim of filling the gaps left by the systematic search. This approach focussed on the review of peer-reviewed future scenarios and visions in selected studies not identified and highlighted in the keyword searches. The materials were selected based on the expertise of the Lead Authors and based on the First Order Draft and Second Order Draft reviewers' comments.

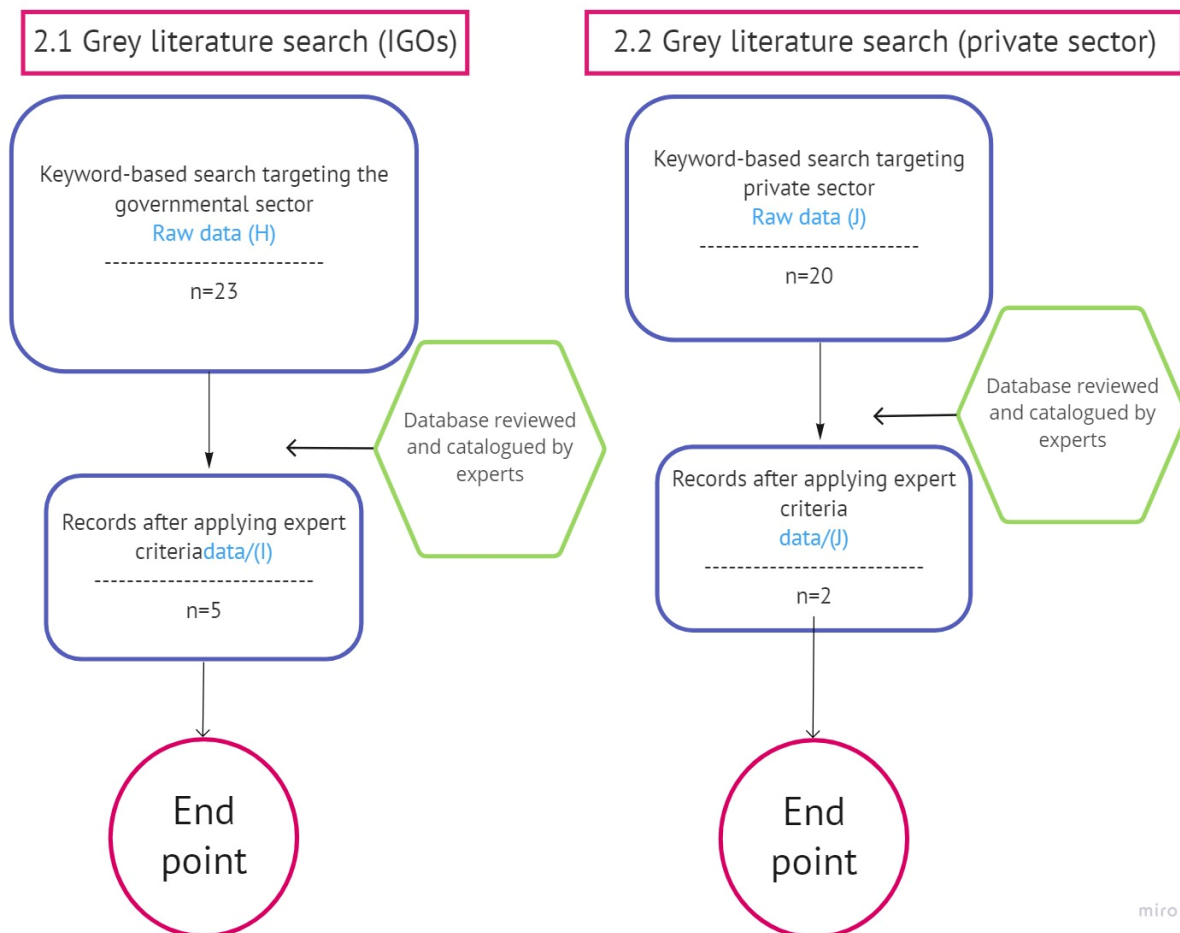
Search languages: English

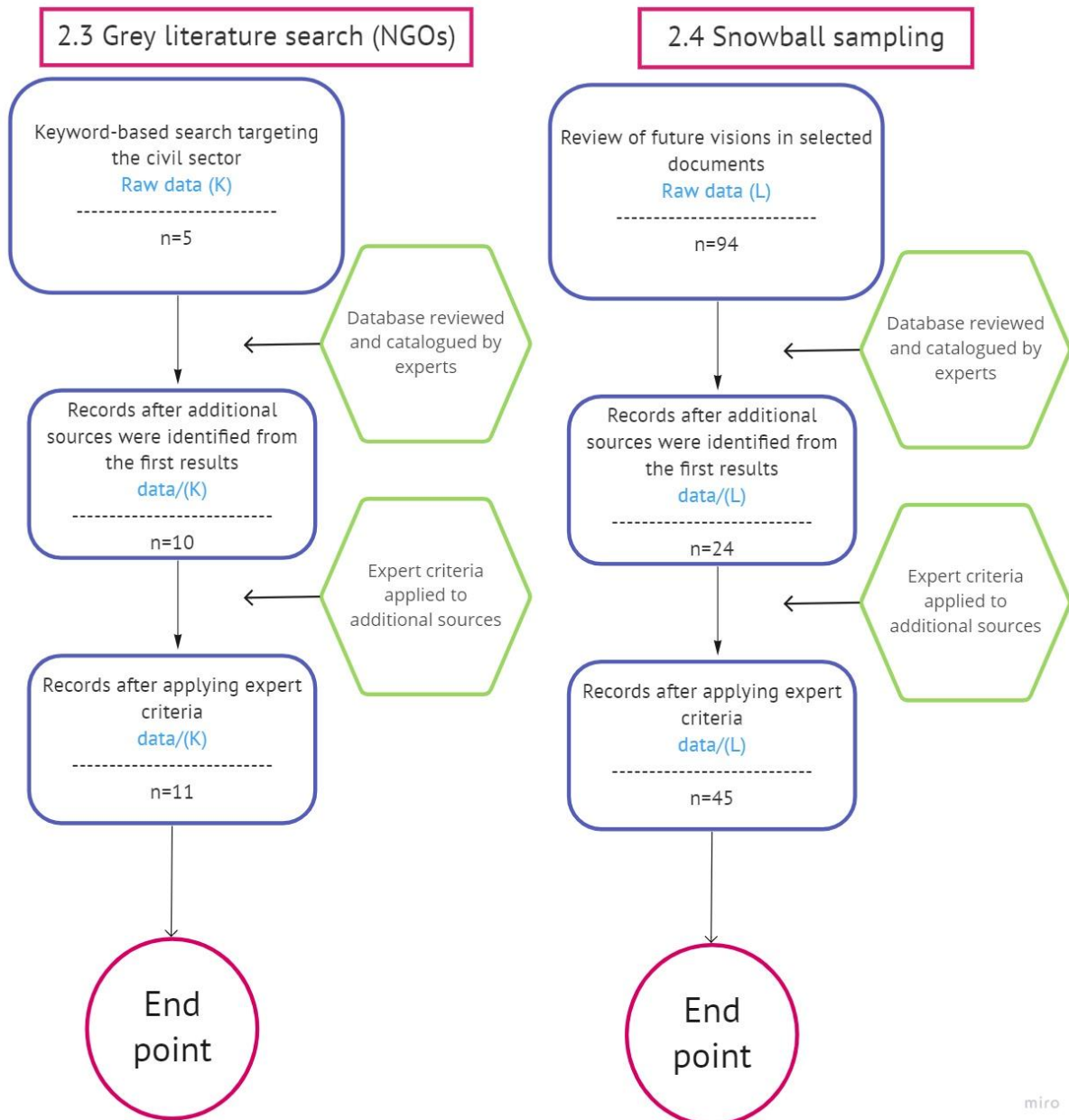
Sample size: 22 documents (G)

Location and Format of the Data (G): IPBES_VA_5.2_May2020_(G).csv

2. Grey Literature

Process overview





Description: Parallel reviews targeted non-peer reviewed material from three societal sectors: government, civil sector, and private sector. An initial trial using the above search terms (R4), in standard search engines, identified much of the already-identified peer-reviewed literature. In honing this search, Google’s Custom Search Engine that searches a specified list of web domains was used.

- The first search used a list of 415 International Governmental Organization domains prepared by the American Library Association.
- The second, also set up by this association, searched a list of 1,584 NGO domains.
- A further search of the domains of the top 100, 2019 Fortune Global 500 companies has also been established.

- Finally, snowball sampling augmented the systematic searches to address remaining possible gaps.

2.1 Type of analysis/search/review: Systematic search to collect grey literature - International Governmental Organizations (IGOs)

Description: A keyword-based search targeting the governmental sector.

Search terms/search string (R4):

```

TS= (
    TITLE-ABS-KEY (
        (
            (nature OR ecosystem OR biodiversity OR ecological OR
environment* OR cosmos OR creation OR "global commons")
        AND
            ("nature's contribution$ to people" OR "ecosystem service$" OR
"environmental service$" OR "landscape service$" OR "adaptation
service$" OR "ES" OR "NCP$" OR "value of biodiversity" OR "option
value$" OR "existential value")
        AND
            ("quality of life" OR well$being OR social OR socio OR society
OR societal OR economic OR socio$economic OR culture OR cultural OR
just OR equity OR equal OR sustainable OR sustainability OR "The Good
Life" OR Eudemonia) OR (social-ecological OR socio-ecological OR
socioecological OR social-environmental OR socio-environmental OR
human-nature OR "people and nature" OR "people and ecosystem$")
        AND
            (future)
        AND
            (scenario OR vision OR pathway OR model OR impact OR "scenario
analysis" OR "scenario planning" OR "scenario building" OR
"participatory scenario$" OR anticipatory OR "anticipatory planning" OR
foresight OR narrative OR storyline OR strategy OR projection OR
simulation OR backcasting)
        AND
            (value OR preference OR perception OR valuation OR Stewardship
OR holistic OR Holism OR Respect OR Care OR Love OR harmony OR (value
AND (instrumental OR non-instrumental OR anthropogenic OR
anthropocentric OR non-anthropocentric OR relational OR intrinsic OR
biophysical OR economic OR socio-cultural OR future$oriented OR bequest
OR insurance OR option OR "ecocentric" OR "biocentri*")) OR "power" OR
"self-transcendence" OR pluralis*)
        )
    )

```

Search languages: English

Search Engine: Google Custom Search Engine curated by the American Library Association.
Searches web domains of 415 International Governmental Organizations.

Exact Search Date: March 19 2020

Search results: 3,240,000,000 search results

Sample selected for review (H): 23 search results

Location and Format of the Data (G): IPBES_VA_5.2_19_03_2020_(H).CSV

Fields extracted (I):

- Search Engine,
- Keyword String,
- Hit,
- URL,
- Title,

- IPBES Region,
- Year,
- Source type,
- Scale

Filters and screening criteria applied (R5): The 23 top search results were reviewed and catalogued by experts to omit obvious misfits, i.e. items that do not address values underpinning a future scenario, vision or pathway, and what the futures are in terms of impacts on nature, nature's contributions to people and good quality of life. Two of these results cited another resource that was also reviewed and catalogued. Five met the selection criteria of the review (I).

Sample extracted (I): 5 documents

Location and Format of the Data (H): IPBES_VA_5.2_19_03_2020_(I).csv

2.2 Type of analysis/search/review: Systematic search to collect the grey literature - private sector

Description: A keyword-based search targeting the private sector. A third custom search engine was set up to search the domains of the top 100, 2019 Fortune Global 500 companies. As this search engine returned one search result with the full set of terms (R4), we amended the search terms for a second search (R5).

Search terms/search string (R4):

```
TS= (
  TITLE-ABS-KEY (
    (
      (nature OR ecosystem OR biodiversity OR ecological OR
      environment* OR cosmos OR creation OR "global commons")
    AND
      ("nature's contribution$ to people" OR "ecosystem service$"
      OR "environmental service$" OR "landscape service$" OR "adaptation
      service$" OR "ES" OR "NCP$" OR "value of biodiversity" OR "option
      value$" OR "existential value")
    AND
      ("quality of life" OR well$being OR social OR socio OR society
      OR societal OR economic OR socio$economic OR culture OR cultural OR
      just OR equity OR equal OR sustainable OR sustainability OR "The Good
      Life" OR Eudemonia) OR (social-ecological OR socio-ecological OR
      socioecological OR social-environmental OR socio-environmental OR
      human-nature OR "people and nature" OR "people and ecosystem$")
    AND
      (future)
    AND
      (scenario OR vision OR pathway OR model OR impact OR "scenario
      analysis" OR "scenario planning" OR "scenario building" OR
      "participatory scenario$" OR anticipatory OR "anticipatory planning" OR
      foresight OR narrative OR storyline OR strategy OR projection OR
      simulation OR backcasting)
    AND
      (value OR preference OR perception OR valuation OR Stewardship
      OR holistic OR Holism OR Respect OR Care OR Love OR harmony OR (value
      AND (instrumental OR non-instrumental OR anthropogenic OR
      anthropocentric OR non-anthropocentric OR relational OR intrinsic OR
      biophysical OR economic OR socio-cultural OR future$oriented OR bequest
      OR insurance OR option OR "ecocentric" OR "biocentri*")) OR "power" OR
      "self-transcendence" OR pluralis*)
    )
  )
)
```


Search terms/search string (R5):

```
TS= (
  TITLE-ABS-KEY (
    (
      (nature OR ecosystem OR biodiversity OR ecological OR
environment* OR "global commons" OR landscape)
    AND
      ("quality of life" OR well$being OR social OR socio OR
society OR societal OR economic OR socio$economic OR culture OR
cultural OR just OR equity OR equal OR sustainable OR
sustainability OR "The Good Life" OR Eudemonia OR community OR
responsibility) OR (social-ecological OR socio-ecological OR
socioecological OR social-environmental OR socio-environmental
OR human-nature OR "people and nature" OR "people and
ecosystem$")
    AND
      (future OR scenario* OR vision OR pathway OR model OR
projection OR simulation OR backcasting)
    AND
      (value OR preference OR perception OR valuation OR
Stewardship OR holistic OR Holism OR Respect OR Care OR Love OR
harmony OR (value OR *anthropo* OR ecocentric OR biocentri*)) OR
"power" OR "self-transcendence" OR pluralis*)
  )
)
```

Search languages: English

Search Engine: Google's Custom Search Engines that searches a specified list of web domains. We have set up an engine to search the domains of the top 100, 2019 Fortune Global 500 companies.

Exact Search Date: April 23 2020

Search results (R4): 1

Search results (R5): About 6,750,000,000

Fields extracted (J):

- ID,
- Search Engine,
- Keyword String,
- Hit,
- Snowball,
- URL,
- Title,
- IPBES Region,
- Year,
- Source type,
- Scale,
- Selection

Filters and screening criteria applied: The results were reviewed and catalogued by experts to omit obvious misfits, i.e. items that do not address values underpinning a future scenario, vision or pathway, and what the futures are in terms of impacts on Nature, nature's contributions to people and good quality of life. One additional resource was identified in the process and also reviewed and catalogued. Two documents met the selection criteria of the review (R6).

Sample selected for review (R4): 1
Sample selected for review (R5): 20

Sample extracted: 2 documents

Location and Format of the Data (J): IPBES_VA_5.2_(23_04_2020)_(J).csv

2.3 Type of analysis/search/review: Systematic search to collect grey literature - NGOs

Description: A keyword-based search targeting the civil sector.

Search terms/search string (R4):

```
TS= (
  TITLE-ABS-KEY (
    (
      (nature OR ecosystem OR biodiversity OR ecological OR
environment* OR cosmos OR creation OR "global commons")
    AND
      ("nature's contribution$ to people" OR "ecosystem service$"
OR "environmental service$" OR "landscape service$" OR "adaptation
service$" OR "ES" OR "NCP$" OR "value of biodiversity" OR "option
value$" OR "existential value")
    AND
      ("quality of life" OR well$being OR social OR socio OR society
OR societal OR economic OR socio$economic OR culture OR cultural OR
just OR equity OR equal OR sustainable OR sustainability OR "The Good
Life" OR Eudemonia) OR (social-ecological OR socio-ecological OR
socioecological OR social-environmental OR socio-environmental OR
human-nature OR "people and nature" OR "people and ecosystem$")
    AND
      (future)
    AND
      (scenario OR vision OR pathway OR model OR impact OR "scenario
analysis" OR "scenario planning" OR "scenario building" OR
"participatory scenario$" OR anticipatory OR "anticipatory planning" OR
foresight OR narrative OR storyline OR strategy OR projection OR
simulation OR backcasting)
    AND
      (value OR preference OR perception OR valuation OR Stewardship
OR holistic OR Holism OR Respect OR Care OR Love OR harmony OR (value
AND (instrumental OR non-instrumental OR anthropogenic OR
anthropocentric OR non-anthropocentric OR relational OR intrinsic OR
biophysical OR economic OR socio-cultural OR future$oriented OR bequest
OR insurance OR option OR "ecocentric" OR "biocentri*")) OR "power" OR
"self-transcendence" OR pluralis*)
  )
)
```

Search languages: English

Search engine: A Google Custom Search Engine curated by the American Library Association. Searches web domains of 1,584 Nongovernmental Organizations.

Exact Search Date: April 27 2020

Search results: 5

Fields extracted (K):

- ID,
- Search Engine,
- Keyword String,
- Hit,
- Snowball,

- URL,
- Title,
- IPBES Region,
- Year,
- Source type,
- Scale,
- Selection

Filters and screening criteria applied: The 5 search results were reviewed and catalogued. An additional 10 resources were identified in the process and also reviewed and catalogued **(K)**. 11 met the selection criteria of the review.

Sample selected for review (K): 15

Sample extracted (K): 11 documents

Location and Format of the Data (K): IPBES_VA_5.2_(27_04_2020)_(K).csv

2.4 Type of analysis/search/review: Snowball sampling to collect grey literature

Description: A Snowball sampling approach was adopted with the aim of filling the gaps left by the systematic searches. This approach focussed on the review of future visions in selected, typically high profile frameworks, reports and projects not identified and highlighted in the keyword searches. The materials were selected based on the expertise of the Lead Authors as well as First Order Draft and Second Order Draft reviewers' comments.

Search languages: English

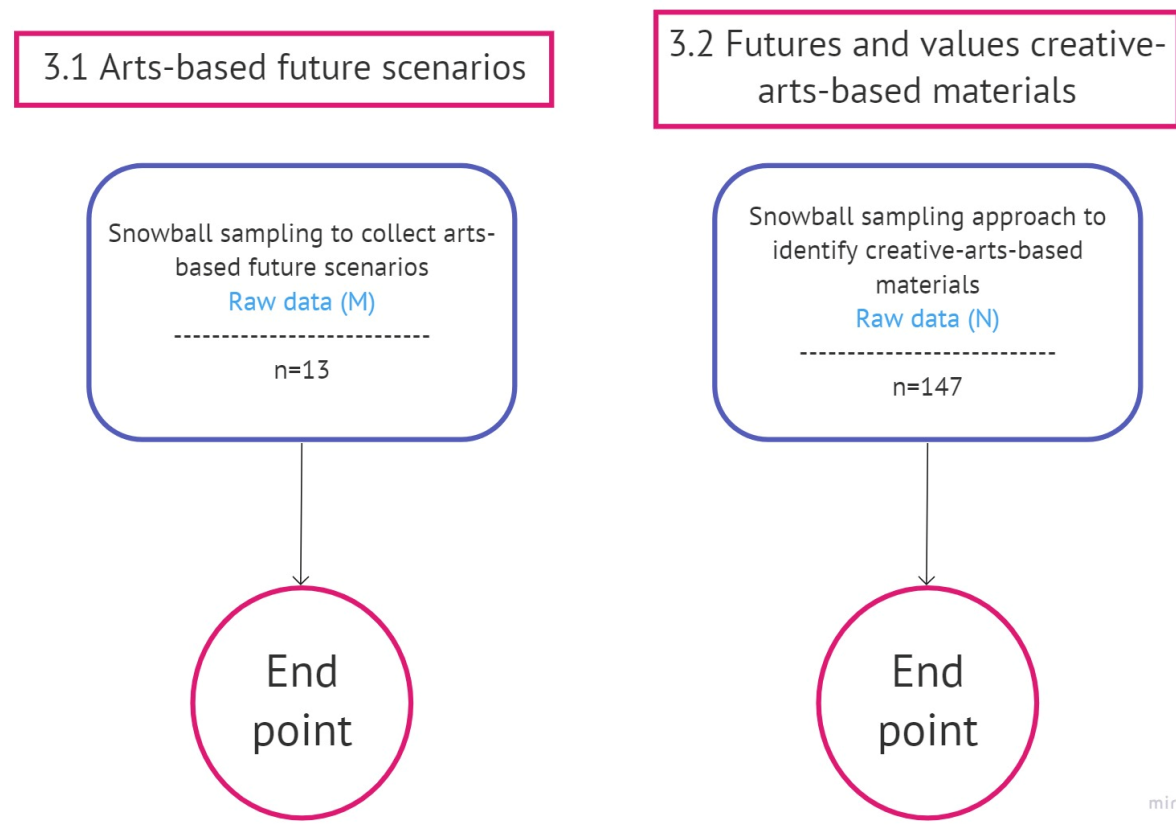
Sample size: 94 **(L)**

Sample extracted: 45

Location and Format of the Data (L): IPBES_VA_5.2_October_2020_(L).csv

3. Arts-based materials

Process overview



Description: A snowball sampling approach was adopted with the aim of identifying future scenarios and visions developed through arts-based approaches. The materials were selected based on the expertise of Contributing Authors. A review of scientific literature focused on arts-based approaches applied to nature's future scenarios planning was conducted. The review aims to: i) describe how arts and artistic methods are implemented into the scenario building process; ii) analyse the contributions of arts and artistic methods to the process, such as inclusion of different knowledge systems, engagement with radical transformations, management of power asymmetries, joining individual and collective thinking, improvement of policy design; and iii) understand how arts can foster engagement with singular or plural values and how they seem to lead to one or another sustainable future and to different (un)sustainable impacts on nature, nature's contributions to people and good quality of life. In particular, we focused on papers with arts-based scenario developments connected to ecosystem services and biodiversity conservation. The identified/analysed papers that were examined, use a wide diversity of artistic approaches (story telling, performance, paintings, exhibitions, etc.) in different contexts worldwide.

3.1 Type of analysis/search/review: Snowbal sampling to collect arts-based future scenarios

Search languages: English

Sample size: 13 studies (M) - April 2020

Location and Format of the Data (F): IPBES_VA_5.2_ARTS_(M).csv

3.2 Type of analysis/search/review: Snowball sampling to collect creative-arts-based materials related to futures and values

Description: A snowball sampling approach was adopted with the aim of identifying creative arts-based materials related to futures and values, particularly artists, collectives, exhibitions, manifestoes, networks/labs and publishing statements. All identified materials are searchable online. The materials were selected based on the expertise of Contributing Authors.

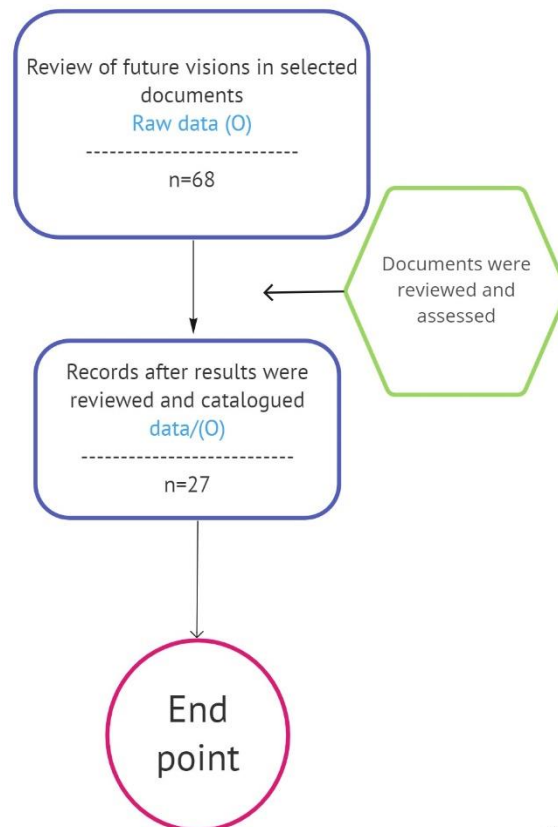
Search languages: English

Sample size: 147 data points (N) - June 2020

Location and Format of the Data (N): IPBES_VA_5.2_ARTS_(N).txt

4. ILK materials

Process overview



4.1 Type of analysis/search/review: Systematic search to collect ILK materials

Description: Similar to the peer-reviewed literature and grey literature assessments, a complementary approach in reviewing indigenous peoples and local communities (IPLCs) futures work was applied, namely a refined keyword-based search of peer-reviewed literature, supplemented by snowball sampling of illustrative materials and a review of materials submitted through the Call for Contributions on Indigenous and Local Knowledge. Results from the peer-reviewed literature assessment (section 1 of this document) indicated a scarcity of citable sources that include ILK representation during scenario building. Thus, the keyword-based search was refined, incorporating search terms to specifically identify peer-reviewed futures works that include ILK.

Search terms/search string (R6):

```
TS= (
  TITLE-ABS-KEY (
    (
      (nature OR ecosystem OR biodiversity OR ecological OR
environment* OR landscape OR "global commons")
    AND
      ("nature's contribution$ to people" OR "ecosystem service$"
OR "environmental service$" OR "landscape service$" OR "adaptation
service$" OR "ES" OR "NCP$" OR "value of biodiversity" OR "option
value$" OR "existential value")
    AND
      ("quality of life" OR well$being OR social OR socio OR society
OR societal OR economic OR socio$economic OR culture OR cultural OR
just OR equity OR equal OR sustainable OR sustainability OR "The Good
Life" OR Eudemonia)
    AND
      (indigenous OR local$ OR "first people$" OR "first nation$" OR
aboriginal$ OR native$ OR autochthon* OR ethnic OR "local communit*" OR
"local popula*" OR "local resident$" OR inhabitant$ OR village$ OR
dweller$)
    AND
      (future)
    AND
      (scenario*)
    AND
      (vision OR pathway OR model OR projection OR simulation OR
backcasting OR "community life plan$" OR "community plans" OR
"community life plans" OR "community development plan$" OR "plan de
vida$" OR "scenario analysis" OR "scenario planning" OR "scenario
building" OR "participatory scenario$" OR anticipatory OR "anticipatory
planning" OR foresight OR narrative OR storyline OR strategy OR
projection OR simulation OR backcasting)
    AND
      (value OR preference OR perception OR valuation OR Stewardship
OR holistic OR Holism OR Respect OR Care OR Love OR harmony OR (value
AND (instrumental OR non-instrumental OR anthropogenic OR
anthropocentric OR non-anthropocentric OR relational OR intrinsic OR
biophysical OR economic OR socio-cultural OR future$oriented OR bequest
OR insurance OR option OR "ecocentric" OR "biocentri*" OR "power" OR
"self-transcendence" OR pluralis*))
  )
)
```

The above keyword chain returned 68 papers from Web of Science (2015 - 2020), 6 of which overlapped with the earlier peer-reviewed literature search (Outeiro et al 2016; Kohler et al. 2017; Martinez-Sastre et al. 2017; Bremer et al. 2018a, b; Borsuk et al. 2019). The remaining 62 papers were assessed and future scenarios evaluated, resulting in a final selection of 7 papers matching the criteria, retrieving 27 ILK future scenarios and visions.

Search languages: English

Search engine: Web of Science filtering results from 2015 to 2020 (six of which overlapped with the earlier peer-reviewed literature search).

Search results: 68

Fields extracted (O):

- ID,
- Source document,
- Scenario/ vision/ pathway name,
- Type of futures work
- Origin,
- Time horizon,
- Geographic scale,
- Location,
- Country,
- IPBES region,
- Reference

Filters and screening criteria applied: Papers in (O) were assessed and future scenarios evaluated, resulting in a final selection of 7 papers matching the criteria, retrieving 27 **ILK future scenarios and visions**.

Location and Format of the Data (O): IPBES_VA_5.2_(ILK)_(O).csv

4.2 Type of analysis/search/review: Snowball sampling to collect ILK materials

Description: We conducted snowball sampling of illustrative materials and materials submitted through the [Call for Contributions on Indigenous and Local Knowledge](#).

Filters and screening criteria applied: A keywords search (**R7**) was applied to the Call for contributions were assessed and future scenarios evaluated

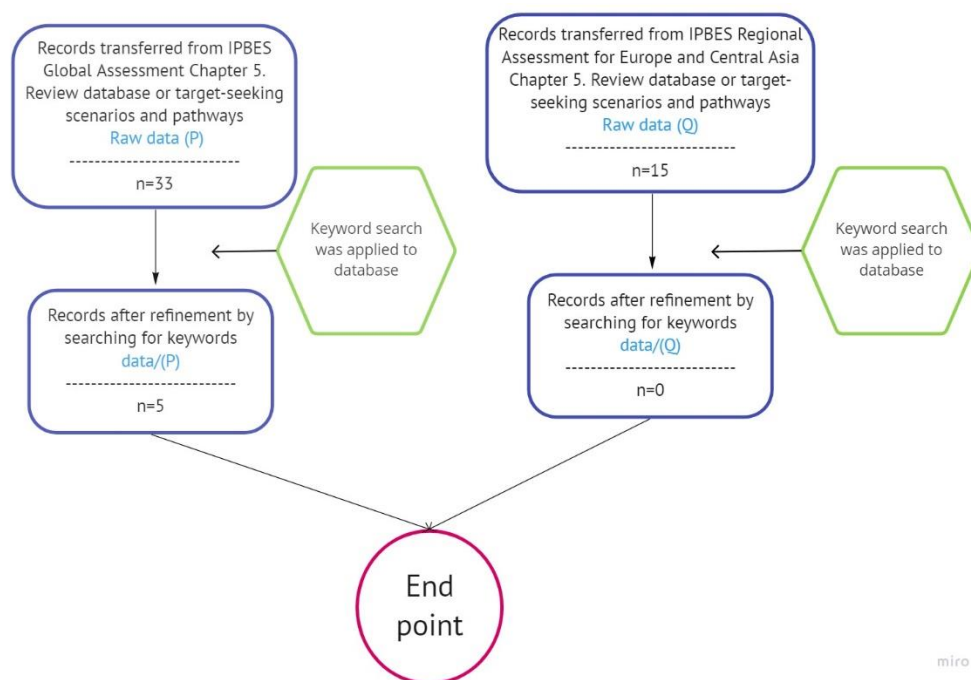
Search Terms (R7): Scenarios/visions, values or valuation, and natures/nature's contributions to people and good quality of life.

Sample extracted: 2 (O)

Location and Format of the Data (O): IPBES_VA_5.2_(ILK)_(O).csv

5. Future Pathways

Process overview



5.1 Type of analysis/search/review: Incorporation of review results from the previous IPBES assessments

Description: We incorporated papers from the review of pathways conducted in IPBES Global Assessment Chapter 5. The database we received included 33 studies, already filtered by the Contributing Authors from IPBES Global Assessment Chapter 5 only for studies that included impacts on nature, nature's contributions to people and good quality of life, based on the database coding, and, in addition, filtered only for studies that included reference to values.

Search languages: English

Search Engine: IPBES Global Assessment Chapter 5

Sample size: 33 studies (P)

Filters and screening criteria applied: A keywords search (R7) was applied to the Call for contributions were assessed and future scenarios evaluated.

Search Terms (R7): Scenarios/visions, values or valuation, and natures/nature's contributions to people and good quality of life.

Sample extracted: 5 studies (P)

Fields extracted (P):

- ID,
- Source,
- Origin,
- Time horizon,
- Region,
- Reference

Location and Format of the Data (P): IPBES_VA_5.2_Pathways_(P).csv

Description: We incorporated papers from the review of pathways conducted in IPBES Regional Assessment for Europe and Central Asia Chapter 5. The database we received included 15 studies, already filtered by the Contributing Authors from IPBES Regional Assessment for Europe and Central Asia Chapter 5 only for studies that included impacts on nature, nature's contributions to people and good quality of life, based on the database coding, and, in addition, filtered only for studies that included reference to values.

Search languages: English

Search Engine: IPBES Regional Assessment for Europe and Central Asia Chapter 5

Sample size: 15 studies (Q)

Filters and screening criteria applied: A keywords search (R7) was applied to the Call for contributions were assessed and future scenarios evaluated.

Search Terms (R7): Scenarios/visions, values or valuation, and natures/nature's contributions to people and good quality of life.

Sample extracted: 0 studies (Q)

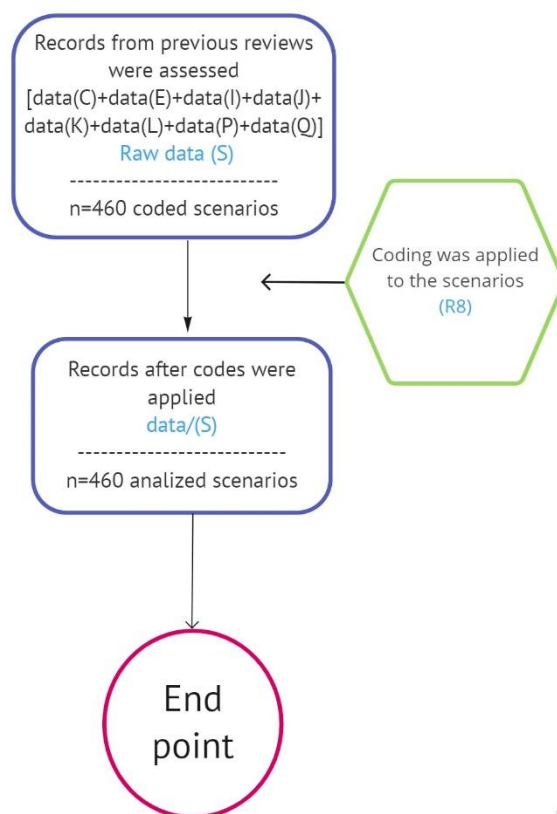
Fields extracted (Q):

- ID,
- Source,
- Origin,
- Time horizon,
- Region,
- Reference

Location and Format of the Data (Q): IPBES_VA_5.2_Pathways_(Q).csv

6. Coding

Process overview



Filters and screening criteria applied (R8): Documents from the searches described above were assessed using 45 codes contained in (R8), gaining 460 coded scenarios.

Documents and domains were assessed using 45 codes contained in (R8).
(C + E + I + J + K + L + P + Q) + R8 = S

Sample extracted: 460 coded scenarios (S)

Fields extracted (S):

- ID,
- Source,
- Origin,
- Time horizon,
- Region,
- Reference

Location and Format of the Data (S): IPBES_VA_5.2_Pathways_(S).csv