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Item 5 of the provisional agenda*

**Report of the Executive Secretary on progress in the
implementation of the rolling work programme up to 2030****Information on progress in the preparation of the assessment of
the sustainable use of wild species, the assessment of invasive
alien species and the assessment regarding the diverse
conceptualization of multiple values of nature and its benefits****Note by the secretariat**

1. In its decision IPBES-6/1, the Plenary of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) approved the undertaking, following the sixth session of the Plenary, of a methodological assessment regarding the diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services (hereinafter referred to as the “values assessment”), as outlined in the scoping report set out in annex VI to decision IPBES-4/1. In the same decision, the Plenary also approved the undertaking, following the sixth session of the Plenary, of a thematic assessment of the sustainable use of wild species (hereinafter referred to as the “sustainable use assessment”), as outlined in the scoping report set out in annex IV to decision IPBES-5/1, and, following the seventh session of the Plenary, of a thematic assessment of invasive alien species and their control, as outlined in the scoping report set out in annex II to decision IPBES-4/1 (hereinafter referred to as the “assessment of invasive alien species”).
2. The values assessment and the sustainable use assessment will be presented to the Plenary for consideration at its ninth session. The assessment of invasive alien species will be presented to the Plenary for consideration at its tenth session.
3. The annex to the present note, which is presented without formal editing, provides information on the progress made in these assessments, including details on their timeline and the process for the selection of experts.

* IPBES/8/1.

Annex

I. Composition of the expert groups performing the assessments

A. Dedicated Multidisciplinary Expert Panel and Bureau members

1. Members of the Multidisciplinary Expert Panel and Bureau ensure that the assessments are prepared in accordance with the procedures for the preparation of Platform deliverables¹ and other applicable decisions of the Plenary. For each assessment, a management committee is established, consisting of the co-chairs of the assessment, several members of the Multidisciplinary Expert Panel and Bureau, and representatives of the responsible technical support unit and the secretariat in Bonn. The management committees assist the Multidisciplinary Expert Panel, the Bureau and the secretariat in exercising their respective roles in overseeing the assessment processes.

B. Selection of experts for the assessment of values

2. A call for the nomination of experts (EM/2018/06/Rev.1) was issued on 23 April 2018 inviting nominations for the values assessment and the sustainable use assessments by 11 June 2018. A total of 197 nominations was received for the values assessment. The Multidisciplinary Expert Panel, in consultation with the Bureau, in accordance with the procedures for the preparation of Platform deliverables set out in annex I to decision IPBES-3/3, reviewed the nominations during their eleventh meetings held in June 2018 and completed a pre-selection of experts based on candidates' expertise with respect to the deliverable as reflected in the nomination forms and curricula vitae of the nominees. Once selected based on merit, further selection considerations focused on balancing disciplinary, regional and gender diversity. The final selection of experts was made during the management committee meeting of the assessment in July 2018. Out of the 197 nominated experts, a total of 58 were selected as experts of the assessment, including 4 co-chairs.

3. The management committee also identified gaps in the availability of experts with regard to geographic balance and disciplinary balance in the nominations received and suggested to fill the gaps in accordance with the procedure for filling gaps in the availability of experts set out in annex I to decision IPBES-4/3. In addition, 14 experts resigned during the assessment or were found unresponsive and had to be replaced. To fill all these gaps, 34 experts were identified by the co-chairs of the assessment and members of the Multidisciplinary Expert Panel and the Bureau, and subsequently nominated by the respective Governments or organizations. The selection of review editors was also finalized in the second quarter of 2019. The number of authors amounts to a total of 82 experts, with 49% of the experts being male and 51% female, 16% nominated by organizations and 84% by Governments.

4. In line with decision IPBES-6/1, in which the Plenary requested the task force on capacity-building to continue implementing the capacity-building rolling plan, which includes the IPBES fellowship programme, the Executive Secretary launched a call for nominations of fellows for the values assessment and the sustainable use assessment (EM/2018/08 of 30 April 2018). As a result, a total of 114 nominations were received for the values assessment, from which the management committee of the assessment selected 15 fellows. Each fellow contributes to one of the chapters of the assessment.

5. The current composition of the expert group is presented in appendix I.

C. Selection of experts for the assessment of the sustainable use of wild species

6. A call for the nomination of experts (EM/2018/06/Rev.1) for the assessment was issued on 23 April 2018 inviting nominations for the sustainable use assessment and values assessment by 11 June 2018.

¹ Decision IPBES-3/3, annex I.

7. A total of 141 nominations was received for this assessment. The Multidisciplinary Expert Panel, in consultation with the Bureau, in accordance with the procedures for the preparation of Platform deliverables set out in annex I to decision IPBES-3/3, reviewed the nominations during their eleventh meetings held in June 2018 and completed a pre-selection of experts based on candidates' expertise with respect to the deliverable as reflected in the nomination forms and curricula vitae of the nominees. Out of the 141 nominated experts, a total of 31 were selected as experts of the assessment, including 3 co-chairs.

8. The management committee also identified gaps in the availability of experts with regard to geographic and disciplinary balances in the nominations received and suggested to fill the gaps in accordance with the procedure for filling gaps in the availability of experts set out in annex I to decision IPBES-4/3. In addition, 13 selected experts resigned during the assessment or were found unresponsive and had to be replaced. To fill these gaps, 60 experts were identified by the co-chairs of the assessment and members of the Multidisciplinary Expert Panel and the Bureau, and subsequently nominated by the respective Governments or organizations. The selection of review editors was also finalised in the second quarter of 2019. Nomination for an additional set of 5 experts is currently being finalised using the gap filling procedure. Once these nominations are finalized, the full list of 78 experts would have the following characteristics: 46 % male, 54 % female, 7 % nominated by organizations and 93 % by Governments.

9. The Executive Secretary launched a call for nominations for fellows for the sustainable use assessment and values assessment (EM/2018/08) on 30 April 2018. As a result, 90 nominations were received for this assessment, from which the management committee selected 11 fellows. Each fellow contributes to one of the chapters of the assessment.

10. The current composition of the expert group is presented in appendix II.

D. Selection of experts for the assessment of invasive alien species

11. A call for the nomination of experts (EM/2018/22) for the invasive alien species assessment was issued on 1 October 2018 inviting nominations by 1 February 2019.

12. A total of 260 nominations was received for this assessment. The Multidisciplinary Expert Panel, in consultation with the Bureau, in accordance with the procedures for the preparation of Platform deliverables set out in annex I to decision IPBES-3/3, reviewed the nominations during a teleconference in April 2019, and in the margins of the seventh session of the Plenary. They completed a pre-selection of experts based on candidates' expertise with respect to the deliverable as reflected in the nomination forms and curricula vitae of the nominees. Once selected based on merit, further selection considerations focused on balancing disciplinary, regional and gender diversity. The final selection of experts, except for review editors, was made during the first management committee meeting of the assessment in June 2019. Following the same procedure, the selection of review editors was completed in April 2020. Out of the 260 nominated experts, a total of 47 were selected as experts of the assessment, including 3 co-chairs.

13. The management committee also identified gaps in the availability of experts with regard to geographic balance and disciplinary balance in the nominations received and suggested to fill the gaps in accordance with the procedure for filling gaps in the availability of experts set out in annex I to decision IPBES-4/3. In addition, 2 selected experts resigned during the assessment and had to be replaced. 29 experts were identified by the co-chairs of the assessment and members of the Multidisciplinary Expert Panel and the Bureau, and subsequently nominated by the respective Governments or organizations. With these experts, the full list of experts amounts to a total of 76 experts, with 58% of the experts being male and 41% female, 5% nominated by organizations and 95% by Governments.

14. In line with decision IPBES-6/1, in which the Plenary requested the task force on capacity-building to continue implementing the capacity-building rolling plan, which includes the IPBES fellowship programme, the Executive Secretary launched a call for the nomination of fellows (EM/2018/30) for the assessment of invasive alien species on 13 December 2018. As a result, a total of 115 nominations were received and 14 fellows selected by the management committee of the assessment, out of which 2 subsequently resigned. Each fellow contributes to one of the chapters of the assessment.

15. The current composition of the expert group is presented in appendix III.

E. The technical support units

16. In decision IPBES-6/1, the Plenary requested the secretariat, in consultation with the Bureau and in accordance with the approved budget set out in the annex to the decision IPBES-6/4, to establish the institutional arrangements necessary to operationalize the technical support required for the work programme. Following an open call for expressions of interest in hosting the technical support units for these assessments the following institutions were selected by the Bureau of IPBES and the relevant institutional arrangements made:

(a) For the assessment on values and valuation of nature: The National Autonomous University of Mexico (UNAM), Mexico;

(b) For the assessment of the sustainable use of wild species: French Foundation for Biodiversity (FRB), France, jointly with French Agency for Biodiversity (AFB);

(c) For the assessment of invasive alien species: The Institute for Global Environmental Strategies (IGES), Japan;

17. The role of each technical support unit is to provide scientific, technical and organizational support toward the delivery of the assessment. In addition, the technical support units liaise with other IPBES task forces and other experts' groups, as necessary, and support work towards other deliverables in order to ensure that cross-cutting issues are properly addressed.

18. Additional information on institutional arrangements is provided in IPBES/8/INF/2.

II. Progress towards preparation of the assessment on values

A. Management committee meetings

19. The first meeting of the management committee of the assessment was held in Frankfurt, Germany, from 2 to 5 July 2018. The objectives of the meeting were to plan for the first author meeting, to prepare an annotated chapter outline, and to finalize the selection of experts for the assessment. Further meetings of the management committee were held physically in the context of the first and second author meetings and online to address emergent issues concerning the assessment.

B. First author meeting

20. The first author meeting for the assessment was held in Mexico City, from 12 to 16 November 2018. The meeting was organized by the technical support unit of the assessment with support from the IPBES secretariat in Bonn. A total of 83 participants attended this meeting including members of the Multidisciplinary Expert Panel and Bureau, the co-chairs of the assessment as well as coordinating lead authors, lead authors, fellows, and representatives of other IPBES task forces and expert groups.

21. During the first author meeting, experts produced an advanced annotated outline of the assessment, consisting of a detailed scope for each chapter, agreed responsibilities of each author, and a detailed timeline of activities towards the production of the assessment. Authors also identified key overarching topics for the assessment and defined a working strategy to ensure coherence and quality across the assessment

22. Authors also formed liaison groups to address overarching topics such as: (i) indigenous and local knowledge, (ii) decision-making typologies, and (iii) regional balance. Authors also identified other overarching topics relevant to the assessment, such as: (i) policy support tools, (ii) themes running across chapters, and (iii) uptake of completed assessments.

C. First external review of the chapters

23. Following the first author meeting, experts held virtual meetings within and across chapters to further develop the annotated outline of the chapters, which was completed on 15 February 2019, and reviewed internally.

24. Experts, following that internal review, started to develop the first order draft of the chapters, which were submitted to the first external review by experts from 29 July to 22 September 2019, and led to the submission of 2,836 comments from 210 expert reviewers. A total of 11 governments provided comments including: Antigua and Barbuda, Australia, Belgium, Canada, Finland, India, Mexico, South Africa, Sudan, Sweden and the United States of America.

D. Implementation of the approach to recognizing and working with indigenous and local knowledge

25. In order to implement the approach to recognizing and working with indigenous and local knowledge in the assessment, a liaison group on indigenous and local knowledge was formed among assessment experts. This liaison group developed a set of key questions relevant to the assessment which assisted authors in addressing indigenous and local knowledge across the chapters of the assessment.

26. Three dialogue workshops on indigenous and local knowledge were organized in coordination with the task force on indigenous and local knowledge. The first was held at the UNESCO headquarters in Paris from 20 to 21 March 2019; the second in Oaxaca, México from 10 to 11 September 2019; and the third online from 16 to 19 February 2021. Reports on all workshops have been prepared and made available to authors of the assessment.

27. The task force on indigenous and local knowledge organized a call for contributions from 12 June to 15 September 2020 (EM/2020/15), inviting indigenous peoples and local communities to support the three ongoing assessments, including the values assessment. The contributions received related to community-based knowledge on values and valuation were considered by the authors in the preparation of the second order draft of the assessment, where relevant. Please refer to IPBES/8/INF/10 for more information.

E. Second author meeting

28. The second author meeting was held from 21 to 25 October 2019 in Vitoria-Gasteiz, Spain. The meeting was hosted by the Vitoria-Gasteiz City Council, the Alava Provincial Council, the Basque Government and the Basque Centre for Climate Change. The co-chairs, coordinating lead authors, lead authors, review editors, fellows, and members of the management committee and technical support unit attended this meeting.

Activities at the second author meeting included (i) reviewing and categorizing comments from the first external review by experts; (ii) revising chapter structure and content based on the external review; (iii) ensuring traceability within and across chapters; (iv) ensuring coherence of the narrative(s) of the assessment; (v) identifying topics to be integrated across the assessment to contextualize the methodological discussion and ensure policy relevance of the assessment; (vi) ensuring cross-chapter communication; (vii) integrating new experts selected through the gap-filling process into the assessment; (viii) planning next steps towards the second order draft and internal chapter deadlines; and (ix) reviewing the timeline for producing the next drafts of the chapters and the summary for policymakers.

F. Preparation and review of the second order draft of the chapters

29. The second order draft of the chapters and the first order draft of the summary for policymakers were finalized and made available for the second external review by Governments and experts from 20 January to 19 March 2021. A total of 4,701 comments from 346 external reviewers including individual experts, intergovernmental organizations, multilateral environmental agreements, Governments and indigenous and local knowledge holders. A total of 23 governments, and the European Union, provided comments: Argentina, Armenia, Australia, Belgium, Bulgaria, China, Canada, Ghana, Estonia, Finland, France, Germany, Ghana, Japan, Mexico, Morocco, Norway, Sweden, Switzerland, The Netherlands, Trinidad and Tobago, United Kingdom, United States of America.

30. The comments received were shared with the authors for consideration in the preparation of the final draft of the assessment.

31. In the context of the second external review, several online events were organized to introduce the assessment and encourage the review of the document:

- (a) An online dialogue workshop with experts and national focal points on 11 February 2021;
- (b) An indigenous and local knowledge dialogue from 16 to 19 February 2021 (third dialogue workshop for this assessment);
- (c) A webinar for stakeholders on 1 March 2021

32. Additional workshops to facilitate the review of the assessment were organized independently by the Bioecon network, the Ecosystem Services Partnership, the Red Socioecos and at the national level by a number of national focal points.

G. Preparation of the summary for policymakers

33. A first meeting to develop the summary for policymakers was held back-to-back with the second author meeting, on 26 and 27 October 2019 in Vitoria-Gasteiz. The co-chairs, coordinating lead authors, and members of the management committee and technical support unit attended this meeting. The meeting was aimed at (i) understanding the role and process for the development of the summary for policymakers; (ii) discussing key messages relevant for the summary for policymakers emerging from the chapters' executive summaries; (iii) identifying traceability of the key messages and policy relevance; and (iv) discussing overarching key messages for the assessment.

34. A workshop was organized online from 18 to 20 May 2020 to continue the development of the summary for policymakers. The co-chairs, coordinating lead authors and members of the management committee and secretariat, including technical support unit, participated in the workshop. The discussions during the workshop centered around (i) ensuring the policy relevance of the summary for policymakers; (ii) identifying the main policy-relevant threads across the summary for policymakers; (iii) setting up a workflow for developing the summary for policymakers.

35. Following the workshop, co-chairs and coordinating lead authors prepared an annotated outline of the summary for policymakers, which was reviewed by the Multidisciplinary Expert Panel and Bureau at their 15th meetings. Comments to the draft were considered in the preparation of the first order draft which was made available for external review by Governments and experts from 20 January to 19 March 2021.

H. Preparation of the third author meeting

36. The third author meeting of the assessment on values was held online from 12 to 21 April 2021. Co-chairs, coordinating lead authors, lead authors, fellows, review editors, members of the management committee and the secretariat participated remotely to address comments received during the second external review, resolve cross-chapter issues, improve chapter executive summaries and ensure the policy relevance and clarity of main messages and key findings. Coherence between the changes made to the summary for policymakers and the underlying chapters was also discussed.

37. Dedicated sessions were organized to address key issues identified in the review comments received. The identification of knowledge gaps and the discussion of indigenous and local knowledge within the assessment was part of these dedicated sessions.

I. Links with other activities of IPBES

38. To support the integration of diverse conceptualizations of values in other IPBES deliverables, in particular the assessment of the sustainable use of wild species, the expert team and technical support unit on values established links between the co-chairs and authors of both assessments, organized online meetings between both sets of assessment experts, provided comments through internal and external review processes and offered the contribution of values experts as contributing authors for the assessment.

39. One designated expert from the assessment on values participated in the IPBES workshop on biodiversity and pandemics held from 27 to 31 July 2020 to strengthen coherence among IPBES deliverables.

40. Two designated experts of the assessment on values participated in the IPBES workshop on modelling Nature Futures scenarios held online from 12 to 15 January 2021.

41. The second order draft of the values assessment also served as an example to develop data management reports for all reviews conducted in the assessment in line with the IPBES Data Management Policy prepared by the task force on data and knowledge.

K. Timelines and next steps

42. An updated annotated timeline for the assessment is set out in appendix IV.

43. In response to decision IPBES-7/1, the Multidisciplinary Expert Panel and the Bureau reviewed feedback and insights into the IPBES assessment process and decided to recommend to the

Plenary that an additional round of review by Governments be piloted between July and August 2021 for the summary for policymakers of the values assessment. Such an additional round of review could enhance the policy relevance of the summary for policymakers and facilitate the consideration of its final version by the Plenary. For more information see document IPBES/8/8.

III. Progress towards preparation of the assessment of the sustainable use of wild species

A. Management committee meetings

44. The management committee met regularly (six times in 2019, including during the second author meeting, three times in 2020 and two times in 2021), to assess progress achieved on the preparation of the draft assessment, including its summary for policymakers.

B. First external review of the chapters

45. The first order draft of the assessment was made available for external review from 27 August to 20 October 2019. A total of 3,220 comments were received from 117 external reviewers including individual experts, intergovernmental organizations, multilateral environmental agreements, Governments and indigenous and local knowledge holders. Seven Governments provided comments during this review: Australia, Belgium, Finland, Germany, Japan, Mexico and Norway.

C. Implementation of the approach to recognizing and working with indigenous and local knowledge

46. The second indigenous and local knowledge dialogue workshop for the assessment was held from 8 to 9 November 2019 in Montreal, Canada. The main objective of the meeting was to receive the views of the representatives of indigenous peoples and local communities on the draft chapters. The comments resulting from this dialogue were consolidated and submitted as formal comments to the first external review process.

47. The task force on indigenous and local knowledge organized a call for contributions from 12 June to 15 September 2020 (EM/2020/15), inviting indigenous peoples and local communities to support the three ongoing assessments, including the sustainable use assessment. Materials received on community-based knowledge, practices, values, needs or experiences related to the sustainable use of wild species were considered by the liaison group of the assessment on indigenous and local knowledge and included it in the chapters, where relevant.

48. The third indigenous and local knowledge dialogue meeting for the sustainable use assessment was held online from 17 to 21 May 2021. It allowed participants to review the second order draft of the chapters and the draft summary for policymakers. Please refer to IPBES/8/INF/10 for more information.

D. Second author meeting

49. The second author meeting was held in Nairobi from 18 to 22 November 2019. The meeting was co-organized with support from the National Museums of Kenya. The main objective of that meeting was to address the comments received through the first external review, focusing on those impacting the overall structure of the assessment and addressing cross-chapter issues. A further objective of the meeting was to enhance coherence throughout the assessment regarding the definition of key concepts and alignment of case studies and approaches to cover the range of different practices related to the use of wild species. Each chapter developed a roadmap to develop the second order draft while taking those issues into account. Finally, the development of key findings from each chapter (chapter executive summaries) was also discussed.

E. Preparation and review of the second order draft of the chapters

50. In order to monitor progress, regular online calls for each chapter and between chapters have been organized since 2019, some on a weekly basis, others on a bi-monthly basis. Regular calls with relevant task forces and technical support units were also organized to allow experts to exchange and align their work with other IPBES deliverables.

51. The second order draft was finalized for the second external review, which started on 15 April 2021 and will be open until 10 June 2021.

52. In the context of this second external review, several online events were organized to introduce the assessment and encourage the submission of comments:

(a) An online dialogue workshop with experts and national focal points on 11 and 12 May 2021;

(b) A webinar for stakeholders on 12 May 2021;

(c) An indigenous and local knowledge dialogue from 17 to 21 May 2021 (third dialogue workshop for this assessment).

F. Preparation of the summary for policymakers

53. The first meeting dedicated to the preparation of the summary for policymakers was held in Nairobi on 24 and 25 November 2019. The drafting group started to work on identifying the potential key messages from each chapter and started to draft a narrative for the summary for policymakers based on this input.

54. An advanced annotated outline of the summary for policymakers was submitted to the Multidisciplinary Expert Panel and Bureau for comments in September 2020. It was developed further through an online writing workshop from 23 to 25 September 2020. The main objectives of the workshop were to develop the outline of the summary for policymakers by reviewing and combing the most developed findings of the chapters' executive summaries and identifying policy-relevant storylines for the summary for policymakers.

55. The first order draft of the summary for policymakers was prepared during an online workshop from 3 to 5 March 2021. The key messages were revised and completed with the updated executive summaries of the chapters. Dedicated work took place to develop figures and a table summarizing knowledge gaps.

56. The first order draft of the summary for policymakers was finalized for the second external review, which started on 15 April 2021 and will be open until 10 June 2021.

57. The next workshop to prepare the summary for policymakers is scheduled from 31 July to 1 August 2021. The main priority for this meeting will be to revise the summary for policymakers based on the comments received during the external review period. It is hoped to be organized face-to-face, in Montpellier, France, if the global sanitary context allows.

G. Preparation of the third author meeting

58. The third author meeting is scheduled to be held from 26 to 30 July 2021. With regard to the COVID-19 pandemic, it is hoped that the meeting can be organized partially face-to-face, with the co-chairs and the coordinating lead authors meeting in Montpellier, while lead authors, review editors and fellows would attend remotely. The main objectives of the third author meeting will be to address the comments received from the second external review, to resolve pending overlaps and needs for harmonisation of the chapters and to improve the chapter executive summaries.

59. At the third author meeting there will be dedicated session(s) on the topic of knowledge gaps which emerged from the assessment. Other issues to be discussed include the consolidation of the methodology and data management plans that were developed and used throughout the assessment.

H. Links with other activities of IPBES

60. One designated expert from the assessment of the sustainable use of wild species participated in the IPBES workshop on biodiversity and pandemics held from 27 to 31 July 2020 to strengthen coherence among IPBES deliverables. Information related to health and biodiversity, where relevant to the scope of the assessment, are integrated in the chapters.

61. Two coordinating lead authors of the chapter dedicated to scenarios of the assessment of the sustainable use of wild species participated in the IPBES workshop on modelling Nature Futures scenarios, which was held online from 12 to 15 January 2021.

I. Existing and ongoing work by other entities

62. Jean-Marc Fromentin (co-chair) and Anne Larigauderie (Executive Secretary) met with a number of officials at the headquarters of the Food and Agriculture Organization of the United Nations (FAO) in Rome on 21 May 2019, including the Deputy Director-General, with the objective to present the assessment of the sustainable use of wild species, and engage more closely with the work of FAO.

63. The secretariat of the Conference to the Parties on Biological Diversity encouraged the parties to the Convention, other Governments and relevant organizations to provide information on the actions taken to use and manage wildlife more sustainably, particularly those associated with the sustainability of the wild meat sector (notification no. 2019-064 of 31 July 2019)². Information was collected through an online survey, which was also made available to assessment authors.

64. The Convention on Biological Diversity also held a consultation on the sustainable use of biological diversity on 20 July 2020 as part of the process to develop the post-2020 global biodiversity framework. Marla Emery and John Donaldson (co-chairs) presented an update on the process of the sustainable use assessment to participants.

K. Timeline and next steps

65. An updated annotated timeline for the assessment of the sustainable use of wild species is set out in Appendix V.

IV. Progress towards preparation of the assessment of invasive alien species

A. Management committee meetings

66. The first meeting of the management committee of the assessment of invasive alien species was held in Wallingford, United Kingdom, from 6 to 8 June 2019. The meeting was held to plan for the first author meeting, to prepare a draft annotated chapter outline, and to finalize the selection of experts for the assessment.

67. The management committee of the assessment of invasive alien species regularly meets online or in-person to oversee the assessment processes and ensure that the processes adhere to the IPBES rules of procedure

B. First author meeting

68. The first author meeting for the assessment was held in Tsukuba, Japan, from 19 to 23 August 2019. The meeting was organized by the technical support unit of the assessment with support from the IPBES secretariat in Bonn and financial contribution from the Ministry of the Environment of Japan. A total of 73 participants attended this meeting including members of the Multidisciplinary Expert Panel and Bureau, the co-chairs of the assessment as well as coordinating lead authors, lead authors, fellows, and representatives of the technical support units for capacity-building and indigenous and local knowledge.

69. In preparation for the first author meeting, online conferences were held with the co-chairs and coordinating lead authors, lead authors and fellows of the assessment to allow the team to get to know each other, get acquainted with IPBES work and processes, and familiarize themselves with the scoping report of the assessment. Additionally, the technical support unit prepared a welcoming package for the experts of the assessment regarding the IPBES assessment process.

70. During the first author meeting, experts produced an advanced annotated outline of the assessment, consisting of a detailed scope for each chapter and its sub-sections, agreed responsibilities of each author, and a detailed timeline of activities towards the production of the assessment. Experts also identified key overarching topics for the assessment and defined a working strategy to ensure coherence and quality across the assessment. Other items presented to the experts during this meeting included information on: (i) the assessment process, (ii) the IPBES conceptual framework and the concept of nature's contributions to people, (iii) confidentiality issues, and (iv) the approach to addressing unresponsive authors.

² <https://www.cbd.int/doc/notifications/2019/ntf-2019-064-wildlife-en.pdf>

71. Experts also formed cross-chapter liaison groups to address overarching topics such as: (i) indigenous and local knowledge, (ii) good quality of life, and (iii) scenarios and models. Experts also identified other overarching topics relevant to the assessment, such as: (i) common themes running across chapters, (ii) identification of contributing authors, and (iii) policy-relevance of the assessment.

C. Progress towards the production of the second order draft of the assessment of invasive alien species

72. Following the first author meeting, experts held virtual meetings within and across chapters to develop the advanced annotated outline of the assessment, which was completed on 9 December 2019, and reviewed internally.

73. Following that internal review, experts held virtual meetings within and across chapters to develop the first order draft of the assessment, which was completed on 30 August 2020.

74. The three liaison groups (on indigenous and local knowledge; good quality of life; and scenarios and models) developed a set of guiding questions relevant for each chapter so as to assist the assessment experts to reflect these themes in the assessment.

75. The first order draft of the assessment of invasive alien species was made available for the first external review (by experts) between 31 August and 18 October 2020. Following these 7 weeks, the comments received were collated by the technical support unit and distributed to the respective authors and review editors for review and revision of the draft chapters. The handling of these comments was addressed at the second author meeting (November–December 2020, see section D below). The assessment of invasive alien species received 4,603 comments from 223 expert reviewers. This included comments from 8 Governments: Australia, Bulgaria, Ethiopia, Germany, Ghana, Japan, Portugal and the United Kingdom.

76. The experts of the assessment of invasive alien species are currently developing the second order draft of the chapters and the first order draft of the summary for policymakers.

D. Second author meeting and first meeting to advance the summary for policymakers

77. Due to the Covid-19 pandemic, the second author meeting was held online from 30 November to 7 December 2020. The meeting was organized by the technical support unit of the assessment with support from the IPBES secretariat in Bonn and financial contribution from the Ministry of the Environment of Japan. A total of 108 participants attended this meeting, including the co-chairs, coordinating lead authors, lead authors, fellows, review editors, members of the knowledge and data task force, of the knowledge and data and of the indigenous and local knowledge technical support units and dedicated members of the Multidisciplinary Expert Panel, Bureau, and secretariat who are part of the management committee of the assessment.

78. In preparation for the second author meeting, online conferences were held with the co-chairs, coordinating lead authors, lead authors, fellows and review editors to allow the team to identify and start discussing major external review comments.

79. Activities of the second author meeting included: (i) prioritizing and handling comments from the first review; (ii) revising chapters structure and content based on the external review; (iii) ensuring traceability within and across chapters; (iv) ensuring coherence of the narrative(s) of the assessment; (v) identifying topics to be integrated across the assessment to ensure policy relevance of the assessment; (vi) ensuring cross-chapter communication; (vii) planning next steps towards the second order draft and internal chapter deadlines; and (viii) reviewing the timeline for the assessment and the summary for policymakers towards their next drafts.

80. Due to the COVID-19 pandemic, the first meeting to advance the summary for policymakers was held online on 22 and 25 February and 3 March 2021. It was attended by the co-chairs, coordinating lead authors and the review editors for chapter 1 and dedicated members of the Multidisciplinary Expert Panel, Bureau, and secretariat who are part of the management committee of the assessment. The meeting addressed the following issues: storylines for the summary for policymakers; advancing the development of an annotated outline for the summary for policymakers; and the work plan for the development of the summary for policymakers.

E. Implementation of the approach to recognizing and working with indigenous and local knowledge

81. Experts of the assessment of invasive alien species engaged in two indigenous and local dialogue workshops, in accordance with decision IPBES-7/1.

82. The first dialogue workshop was held in Montreal, Canada on 15 and 16 November 2019. This first workshop had the following objectives: (i) developing recommendations from indigenous peoples and local communities for specific topics and areas of focus of the assessment; (ii) exploring indigenous peoples and local communities' knowledge, perceptions, use and management of invasive alien species; (iii) discussing how the invasive alien species assessment could be useful to indigenous peoples and local communities; (iv) identifying key experts who could contribute to the assessment as contributing authors or participants in future dialogue workshops and review processes; and (v) identifying resources and sources of information that could be included in the assessment.

83. The second dialogue workshop was held online from 29 September to 1 October 2020. This second workshop had the following objectives: (i) to further discuss indigenous peoples and local communities' knowledge, perceptions, use and management of invasive alien species; (ii) to reflect on the first order draft; (iii) to further discuss how the invasive alien species assessment could be useful to indigenous peoples and local communities; and (iv) to identify key experts who could be contributing authors or participants in future dialogue workshops and review processes.

84. The task force on indigenous and local knowledge organized a call for contributions from 12 June to 15 September 2020 (EM/2020/15), inviting indigenous peoples and local communities to support the three ongoing assessments, including the assessment of invasive alien species. There were more than 700 submissions, including 30 documents directly relevant to the assessment of invasive alien species. These were included by the experts of the assessment of invasive alien species in their literature review processes. Please refer to IPBES/8/INF/10 for more information.

F. Other activities relevant to the assessment of invasive alien species

85. Following the process conducted by the Executive Secretary for the thematic assessment of the sustainable use of wild species in response to decision IPBES-6/1, the Multidisciplinary Expert Panel and the Bureau, at their 12th meetings held in October 2018, agreed to consult the Inter-Agency Liaison Group on Invasive Alien Species regarding their existing or ongoing work relevant to the assessment of invasive alien species. The following entities were consulted: The Centre for Agricultural Biosciences International (CABI); the Convention on Biological Diversity (CBD); the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES); the Food and Agriculture Organization (FAO); the International Civil Aviation Organization (ICAO); the International Maritime Organization (IMO); the International Plant Protection Convention (IPPC); the International Union for the Conservation of Nature (IUCN); the World Organisation for Animal Health (OIE); and the World Trade Organization (WTO). The information collected has been shared with the expert group of the assessment.

86. The expert group of the assessment is also closely following the development of the post-2020 global biodiversity framework.

87. Experts of the assessment of invasive alien species were involved in a number of cross-cutting IPBES activities (e.g., workshops, task force meetings and side events) and other events relevant to the assessment. Please see the following table for each activity, description, date and location of activities held since the seventh session of the Plenary:

<i>Activity</i>	<i>Date</i>	<i>Location</i>	<i>Detailed information</i>
Joint meeting of IPBES task forces	11-14 November 2019	Bonn, Germany	IPBES/8/INF/9, 10, 11, 13 and 14
Convention on Biological Diversity Ad Hoc Technical Expert Group on invasive alien species	2-4 December 2019	Montreal, Canada	Meeting report available here.
Meeting of the IPBES task force on policy tools and methodologies	4-7 May 2020	Online	IPBES/8/INF/13
Meeting of the IPBES task force on indigenous and local knowledge	11 June-2 July 2020	Online	IPBES/8/INF/10
Meeting of the IPBES task force on knowledge and data	13-16 July 2020	Online	IPBES/8/INF/11
IPBES workshop on biodiversity and pandemics	27-31 July 2020	Online	IPBES/8/INF/5
6th Pan-European IPBES Stakeholder Consultation	5-6 October 2020	Online	
IPBES meeting on scenarios and indigenous and local knowledge	28 October 2020	Online	IPBES/8/INF/10

G. Timeline and next steps

88. An updated annotated timeline for the assessment of invasive alien species is set out in appendix VI.

Appendix I

List of experts for the assessment on values

Abbreviations: CLA (Coordinating Lead Author), LA (Lead Author), RE (Review Editor)

<i>Role</i>	<i>First Name</i>	<i>Last Name</i>	<i>Affiliation</i>	<i>Nominating Country / Organisation</i>
<i>Chapter 1: Introducing the Values Assessment</i>				
Co-chair / CLA	Patricia	Balvanera	Ecosystems and Sustainability Research Institute, National Autonomous University of Mexico	Mexico
Co-chair / CLA	Brigitte	Baptiste Ballera	Alexander von Humboldt Institute for Research on Biological Resources	Colombia
Co-chair / CLA	Mike	Christie	Aberystwyth University	United Kingdom
Co-chair / CLA	Unai	Pascual	Ikerbasque (Basque Foundation for Science), Basque Centre for Climate Change	Switzerland
Fellow	Bosco	Lliso	Basque Centre for Climate Change	Spain
Fellow	Ana	Monroy	Ecosystems and Sustainability Research Institute, National Autonomous University of Mexico	Mexico
RE	Robert	Watson	University of East Anglia and Tyndall Center	United Kingdom
RE	Hebe	Vessuri	Independent	Venezuela
<i>Chapter 2: Conceptualizing the diverse values of nature and their contributions to people</i>				
CLA	Christopher	Anderson	National Scientific and Technical Research Council	Argentina
CLA	Christopher	Raymond	Helsinki Institute of Sustainability Science, Faculty of Biological and Environmental Sciences and Faculty of Agriculture and Forestry, University of Helsinki	Sweden
CLA	Arild	Vatn	Norwegian University of Life Sciences, Department of Economics and Social Sciences, and Center for International Climate Research	Norway
CLA	Simone	Athayde	Florida International University	Brazil
LA	Paola	Arias Arévalo	University of Valle	Colombia
LA	Rachelle	Gould	University of Vermont	United States of America
LA	Barbara	Muraca	Oregon State University	United States of America
LA	Sonya	Sadcheva	U.S. Forest Service	United States of America
LA	Aibek	Samakov	Tübingen University	Aigine Cultural Research Center
LA	Eglee	Zent	Anthropology Center, Venezuelan Institute for Scientific Research, Altos de Pipe, Venezuela	Venezuela
LA	Jasper	Kenter	University of York	United Kingdom

Chapter 2: Conceptualizing the diverse values of nature and their contributions to people

Fellow	Ariane	Amin	Felix Houphouët-Boigny University, Swiss Centre for Scientific Research in Côte d'Ivoire	Côte d'Ivoire
Fellow	Dominic	Lenzi	Mercator Research Institute on Global Commons and Climate Change	Australia
Fellow	Ranjini	Murali	The Snow Leopard Trust and The Nature Conservation Foundation	The Nature Conservation Foundation and The Snow Leopard Trust
RE	Kai	Chan		Canada

Chapter 3: Assessment of Valuation Methods

CLA	Tuyeni H.	Mwampamba	Ecosystems and Sustainability Research Institute, National Autonomous University of Mexico	Tanzania
CLA	Sander	Jacobs	Research Institute for Nature and Forest	Belgium
CLA	Mette	Termansen	University of Copenhagen	Denmark
LA	SoEun	Ahn	Korea Environment Institute	Republic of Korea
LA	Antonio	Castro	University of Almeria	Spain
LA	Andy	Choi	National Institute of Ecology, Republic of Korea	Republic of Korea
LA	Nicolas	Dendoncker	University of Namur; Institute of Life-Earth-Environment; Transition Institute.	Belgium
LA	Houda	Ghazi	Research Group on Impacts Vulnerability and Adaptation to Climate Change in Morocco, Department of Biology, Faculty of Sciences Semlalia, Marrakesh, Morocco	German Agency for International Cooperation
LA	Nibedita	Mukherjee	University of Exeter	University of Exeter
LA	Gabriel Ricardo	Nemogá	Department of Indigenous Studies, University of Winnipeg	Colombia
LA	Jonas	Ngouhouo Poufoun	National Institute for Agronomic Research, Centre for International Forestry Research	Cameroon
LA	Ignacio	Palomo	Basque Centre for Climate Change	Spain
LA	Ram	Pandit	University of Western Australia	Nepal
LA	Marije	Schaafsma	University of Southampton	Netherlands
LA	Haripriya	Gundimeda	Indian Institute of Technology Bombay	India, Future Earth
LA	Mariaelena Analf	Huambachano	University of Wisconsin, Madison	Peru
LA	Heera	Lee	Karlsruhe Institute of Technology	Republic of Korea
Fellow	Anna	Filyushkina	Swedish University of Agricultural Sciences	Sweden
Fellow	Marcello	Hernández	Independent	Costa Rica
RE	Joshua	Farley	The University of Vermont	United States of America

RE	Ernesto	Raez	Pronaturaleza Foundation	Peru
<i>Chapter 4: Values and decision making</i>				
CLA	David	Barton	Department of Landscape Ecology, Oslo	Norway
CLA	Rebecca	Chaplin-Kramer	Stanford University	United States of America
CLA	Meine	van Noordwijk	Agroforestry, Wageningen University, Consultive Group for International Agricultural Research	World Agroforestry Centre
CLA	Elena	Lazos Chavero	Institute for Social Research, National Autonomous University of Mexico.	Mexico
LA	Roldan	Muradian	Faculty of Economics, Fluminense Federal University	Brazil
LA	Liliana	Bravo-Monroy	British Ecological Society (BES), member of the Review College,	Colombia
LA	Stefanie	Engel	University of Osnabrueck	Germany
LA	Thomas	Hahn	Stockholm Resilience Centre	Sweden
LA	Beria	Leimona	World Agroforestry Centre	United Nations University Institute for the Advanced Study of Sustainability
LA	Aidin	Niamir	Senckenberg Biodiversity and Climate Research Institute	Senckenberg Biodiversity and Climate Research Institute
LA	Begüm	Ozkaynak	Department of Economics, Boğaziçi University	Turkey
LA	Agnes	Pawłowska-Mainville	University of Northern British Columbia, Canada	University of Northern British Columbia
LA	Paula	Ungar	Alexander von Humboldt Institute for Research on Biological Resources	Colombia
LA	Sharad	Lele	Centre for Environment & Development, Ashoka Trust for Research in Ecology and the Environment, Bangalore	India
LA	Alexander	Girvan	Caribbean Natural Resources Institute	Trinidad and Tobago
Fellow	Pricila	Iranah	Colorado State University	The Mauritius Herbarium
Fellow	Cem Iskender	Aydin	Sabancı University, Istanbul Policy Center	Turkey
Fellow	Sara	Nelson	University of British Columbia Department of Geography	Canada
RE	Juan Camilo	Cárdenas	Universidad de los Andes	Colombia
RE	Susan	Baker	Cardiff University	United Kingdom

Chapter 5: Incorporating multiple values of nature and nature's contributions to people for just and sustainable futures

CLA	Ritesh	Kumar	Wetlands International South Asia	India
CLA	Adrian	Martin	University of East Anglia	United Kingdom
CLA	Patrick	OFarrell	Council for Scientific and Industrial Research	South Africa
LA	Uta	Eser	Office for Environmental Ethics	Germany
LA	Daniel	Faith	bioGENESIS	Australia
LA	Erik	Gomez-Baggethun	Norwegian University of Life Sciences	Norway
LA	Zuzana	Harmackova	Stockholm Resilience Centre	Czech Republic
LA	Andra-Ioana	Horcea-Milcu	Leuphana University, Lueneburg	Romania
LA	Juliana	Merçon	Educational Research Institute, University of Veracruz, Mexico	Brazil
LA	Martin	Quaas	Leipzig University and German Centre for Integrative Biodiversity Research	Germany
LA	Julian	Rode	Helmholtz-Centre for Environmental Research, Germany	Germany
LA	Ricardo	Rozzi	Institute of Ecology and Biodiversity, Chile	Chile
LA	Nadia	Sitas	Council for Scientific and Industrial Research	South Africa
LA	Bernardo	Strassburg	Pontifical Catholic University of Rio de Janeiro	Brazil
LA	Yuki	Yoshida	Asian Natural Environmental Science Center, University of Tokyo	Japan
LA	Tobias	Ochieng Nyumba	African Conservation Centre and the University of Nairobi	Kenya
Fellow	Ann-Kathrin	Koessler	Institute for Environmental Systems Science and School of Business Administration and Economics, University of Osnabrück	University of Osnabrück
Fellow	Lelani	Mannetti	Urban Resilience to Extremes Sustainability Research Network	Georgia State University
Fellow	Natalia	Lutti Hummel	Getúlio Vargas Foundation	Brazil
RE	Laura	Pereira	City University of London and Stellenbosch University	South Africa
RE	Chukwumerije	Okereke	Alex Ekwueme Federal University	Nigeria

Chapter 6: Operationalisation and capacity development for the incorporation of multiple values into policy and decision-making

CLA	Suneetha	Subramanian	United Nations University - Institute for the Advanced Study of Sustainability	United Nations University Institute for the Advanced Study of Sustainability
CLA	Eszter	Kelemen	University of Budapest	Hungary
CLA	Barbara	Nakangu	International Union for Conservation of Nature	Uganda
LA	Mine	Islar	Lund University Centre for Sustainability Studies	Turkey
LA	Marina	Kosmus	German Agency for International Cooperation	Argentina
LA	Luciana	Porter-Bolland	Institute of Ecology, A.C.	Mexico
LA	Aletta	De Vos	Rhodes University	South Africa
LA	Emmanuel	Nuesiri	African Leadership University	Cameroon
Fellow	Evonne	Yiu	United Nations University	United Nations University Institute for the Advanced Study of Sustainability
Fellow	Sacha	Amaruzaman	Centre for Global Food and Resources - University of Adelaide	Indonesia, World Agroforestry Centre
RE	Joji	Cariño	Forest Peoples Programme	Philippines
RE	Simon	Anderson	International Institute for Environment and Development	United Kingdom

Appendix II

List of experts for the thematic assessment of the sustainable use of wild species

Abbreviations: CLA (Coordinating Lead Author), LA (Lead Author), RE (Review Editor).

<i>Role</i>	<i>Name</i>	<i>Affiliation</i>	<i>Nominating Country/Organisation</i>
Co-chair	John Donaldson	South African National Biodiversity Institute, South Africa	South Africa
Co-chair	Marla Emery	U.S. Department of Agriculture, Forest Service, United States of America	United States of America
Co-chair	Jean-Marc Fromentin	Research Institute for the Exploitation of the Sea, France	France
<i>Chapter 1: Setting the scene</i>			
CLA/ Co-chair	John Donaldson	South African National Biodiversity Institute, South Africa	South Africa
CLA/ Co-chair	Marla Emery	U.S. Department of Agriculture, Forest Service, United States of America	United States of America
CLA/ Co-chair	Jean-Marc Fromentin	Research Institute for the Exploitation of the Sea, France	France
LA	Agnès Hallosserie	French Foundation for Research on Biodiversity	France
LA	Enrique Michaud	The Mountain Institute	Peru
LA	Takanori Oishi	Tokyo University of Foreign Studies, Japan	Japan
LA	Ana Parma	Argentine Council for Scientific and Technological Research	Argentina
LA	Kevin St. Martin	Rutgers University	United States of America
RE	Eduardo Brondizio	Department of Anthropology at Indiana University	Brazil/ United States of America
RE	Robert Bitahiro	Institute of Tropical Forest Conservation, Mbarara University of Science and Technology	Uganda
Fellow	Hakon Stokland	Norwegian University of Science and Technology	Norwegian University of Science and Technology
<i>Chapter 2: Conceptualizing the sustainable use of wild species</i>			
CLA	Jake Rice	Fisheries and Oceans Canada	Canada
CLA	Tamara Ticktin	University of Hawaii	United States of America
LA	Caroline Akachuku	Michael Okpara University of Agriculture Umudike	Nigeria
LA	Isabel Diaz Reviriego	Leuphana University Lüneburg	Germany
LA	Takuya Furukawa	Forestry and Forest Products Research Institute, Japan	Japan
LA	Edson Gandiwa	Chinhoyi University of Technology, Zimbabwe	Zimbabwe

LA	Lusine Margaryan	Mid Sweden University	Armenia
LA	Pua'ala Pascua	American Museum of Natural History	United States of America
LA	Jyothis Sathyapalan	National Institute of Rural Development and Panchayati Raj	India
RE	Cristiana Simao Seixas	University of Campinas	Brazil
RE	Esther Turnhout	Wageningen University	The Netherlands
Fellow	Vukan Lavadinovic	University of Belgrade, Serbia	University of Belgrade

Chapter 3: Status of and trends in the use of wild species and its implications for wild species, the environment and people

CLA	Elizabeth Barron	Norwegian University of Science and Technology	United States of America
CLA	Ram Prasad Chaudhary	Tribhuvan University of Nepal	Nepal
LA	Sonia Carvalho Ribeiro	Federal University of Minas Gerais	Brazil
LA	Chabi Djagoun	Laboratoire d'Ecologie Appliquée, Faculté des Sciences Agronomiques, Université d'Abomey Calavi	Benin
LA	Eric Gilman	Hawaii Pacific University	United States of America
LA	Ray Hillborn	University of Washington	United States of America
LA	Esther Katz	National Research Institute for Sustainable Development / National Museum of Natural History, France	France
LA	Ritah Kiigonya	Norwegian University of Science and Technology	Uganda
LA	Hicham Masski	National Institute for Fisheries Research, Morocco	Morocco
LA	Prateep Nayak	University of Waterloo, Canada	Canada
LA	Helder Queiroz	Mamirauá Institute of Sustainable Development, Brazil	Brazilian Platform on Biodiversity and Ecosystem Services
LA	Anna Sidorovitch	National Academy of Sciences of Belarus	Scientific and Practical Center for Bioresources of National Academy of Sciences of Belarus
LA	Renato Silvano	The Federal University of Rio Grande do Sul, Brazil	Brazil
LA	Yan Zeng	Chinese Academy of Sciences	China
RE	Ryo Kohsaka	Nagoya University	Japan
RE	Charlie Shackleton	Rhodes University	South Africa
Fellow	Laura Isabel Mesa Castellanos	University of the Llanos, Colombia	Alexander von Humboldt Biological Resources Research Institute
Fellow	Penelope Mograbi	Rhodes University, South Africa	Global Change Institute

Chapter 4: Drivers of the sustainable use of wild species

CLA	Ganesan Balachander	Ashoka Trust for Research in Ecology and the Environment	India
CLA	Marwa Halmy	Alexandria University, Egypt	Egypt
CLA	Brenda Parlee	University of Alberta, Canada	Canada
LA	Buuveibaatar Bayarbaatar	Wildlife Conservation Society	Mongolia
LA	Duan Biggs	Griffith University, Australia	South Africa
LA	Andres Cisneros	University of British Columbia, Canada	Mexico
LA	Marie-Christine Cormier-Salem	National Research Institute for Sustainable Development, France	France
LA	Rajarshi Dasgupta	Institute for Global Environmental Strategies, Japan	India
LA	Janaina Diniz	University of Brasilia	Brazil
LA	Aisha Elfaki	Wildlife Research Centre	Sudan
LA	Lisa Hiwasaki	International Development Research Centre, Canada	Japan
LA	Gabriela Lichtenstein	National Research Council, Argentina	Argentina
LA	Andries Richter	Wageningen University	The Netherlands
LA	Patricia Shanley	Woods and Wayside International	United States of America
LA	Uttam Babu Shrestha	University of Southern Queensland, Australia	Nepal
LA	Lee Tien Ming	Sun Yat-Sen University	Singapore
RE	Sara Hernandez Perez		Colombia
RE	Sheona Shackleton	Rhodes University	South Africa
Fellow	Murali Chatakonda	Amity University, India	Amity University
Fellow	Shiva Devkota	Swiss Federal Institute for Forest, Snow and Landscape Research, Switzerland	Swiss Federal Institute for Forest, Snow and Landscape Research

Chapter 5: Future scenarios of the sustainable use of wild species

CLA	Christo Fabricius	Nelson Mandela Metropolitan University	WWF
CLA	Maria Gasalla	University of Sao Paulo	Brazil
CLA	Derek Tittensor	Dalhousie University	Canada
LA	Emma Archer	University of Pretoria, South Africa	South Africa
LA	Kasper Kok	Wageningen University	The Netherlands
LA	Yoshitaka Ota	University of Washington, United States of America	Japan
LA	Pablo Pacheco	WWF	Bolivia
LA	Anne Tolvanen	Natural Resources Institute Finland	Natural Resources Institute Finland
RE	Rosie Cooney	Australian Capital Territory	Australia

Chapter 5: Future scenarios of the sustainable use of wild species

RE	Carolina Minte-Vera	Inter-American Tropical Tuna Commission	Brazil
Fellow	Temitope Israel Borokini	University of Nevada, United States of America	Society for Conservation Biology
Fellow	Denise Margaret Matias	German Development Institute, Germany	Non-Timber Forest Products Exchange Programme
Fellow	Monicah Mbiba	Nelson Mandela Metropolitan University	Zimbabwe

Chapter 6: Policy options and responses

CLA	Christina Hicks	Lancaster University, United Kingdom of Great Britain and Ireland	United Kingdom
CLA	Mi Sun Park	Seoul National University, Republic of Korea	Republic of Korea
LA	Sophie Avila Foucat	National Autonomous University of Mexico, Mexico	Mexico
LA	Shalini Dhyani	Council of Scientific & Industrial Research, National Environmental Engineering Research Institute, India	IUCN Commission on Ecosystem Management
LA	Paola Mosig Reidl	Commission for the Knowledge and Use of Biodiversity, Mexico	Mexico
LA	Kristina Raab	Helmholtz-Centre for Environmental Research – UFZ, Germany	Helmholtz Center for Environmental Research - UFZ
LA	Rachel Wynberg	University of Cape Town, South Africa	South Africa
RE	Juana Marino	Gestión Urbana y Tecnológica Sas	Colombia
RE	Dilys Roe	International Institute for Environment and Development	United Kingdom
Fellow	Camila Alvez Islas	University of Campinas, Colombia	University of Campinas
Fellow	Zina Skandrani	Institut Méditerranéen de Biodiversité et d'Ecologie Marine et Continentale	France

Appendix III

List of experts for the thematic assessment of the invasive alien species and their control

Abbreviations: CLA (Coordinating Lead Author), LA (Lead Author), RE (Review Editor).

Role	Name	Affiliation	Nominating Country/Organisation
Co-chair	Anibal Pauchard	University of Concepción, Chile	Chile
Co-chair	Helen Roy	UK Centre for Ecology & Hydrology	United Kingdom
Co-chair	Peter Stoett	University of Ontario Institute of Technology	Canada
<i>Chapter 1: Setting the scene</i>			
CLA/ Co-chair	Anibal Pauchard	University of Concepción, Chile	Chile
CLA/ Co-chair	Helen Roy	UK Centre for Ecology & Hydrology	United Kingdom
CLA/ Co-chair	Peter Stoett	University of Ontario Institute of Technology	Canada
RE	Piero Genovesi	IUCN Invasive Species Specialist Group	Italy
RE	John Wilson	South African National Biodiversity Institute	South Africa
Fellow	Tatsiana Lipinskaya	Scientific and Practical Center for Bioresources of the National Academy of Sciences of Belarus	Belarus
Fellow	Joana Vicente	ICETA - CIBIO / InBIO	Portugal
<i>Chapter 2: Status and trends</i>			
CLA	Laura Meyerson	University of Rhode Island	United States of America
CLA	Sebataolo Rahlao	South African National Biodiversity Institute	South Africa
CLA	Hanno Seebens	Senckenberg Biodiversity and Climate Research Centre	Germany
LA	Alla Aleksanyan	Institute of Botany of NAS Armenia	Romania
LA	Franck Courchamp	CNRS	France
LA	Emre Keskin	Ankara University	Turkey
LA	Petr Pysek	Institute of Botany, The Czech Academy of Sciences	Czechia
LA	Alifereti Tawake	Locally Managed Marine Area (LMMA) Network International Trust	Fiji
LA	Elena Tricarico	Department of Biology, University of Florence, Italy	Italy
RE	Cang Hui	Stellenbosch University	South Africa
RE	Victoria Werenkraut	INIBIOMA, Universidad Nacional del Comahue, CONICET	Argentina
Fellow	Bernd Lenzner	University of Vienna	Germany
Fellow	Hanieh Saeedi	Goethe University Frankfurt and Senckenberg Research Institute and Natural History Museum, Germany	Iran (Islamic Republic of)

Chapter 3: Drivers

CLA	Philip Hulme	Lincoln University	New Zealand
CLA	Tohru Ikeda	Hokkaido University	Japan
CLA	Vigdis Vandvik	University of Bergen	Norway
LA	Ryan Blanchard	Council for Scientific and Industrial Research	South Africa
LA	Morelia Camacho-Cervantes	Universidad Nacional Autonoma de Mexico	Mexico
LA	Ileana Herrera	Universidad Espíritu Santo, Samborondón-Ecuador	Ecuador
LA	Asuka Koyama	Forestry and Forest Products Research Institute	Japan
LA	Carolina Morales	INIBIOMA (CONICET-Universidad Nacional del Comahue)	Argentina
LA	Linus Munishi	The Nelson Mandela African Institution of Science and Technology, NM-AIST, Arusha, Tanzania	United Republic of Tanzania
LA	Nirmalie Pallewatta	University of Colombo	Sri Lanka
LA	Jan Pergl	Institute of Botany, Czech Academy of Sciences	Czechia
LA	Anthony Ricciardi	McGill University	Canada
LA	Carlos Zambrana-Torrel	EcoHealth Alliance	EcoHealth Alliance
RE	Franz Essl	University of Vienna	Austria
RE	Aveliina Helm	University of Tartu	Estonia
Fellow	Esra Per	Gazi University	Turkey
Fellow	Rafael Xavier	Universidade de São Paulo	Brazil

Chapter 4: Impacts

CLA	Sven Bacher	University of Fribourg	Switzerland
CLA	Bella Galil	Steinhardt Museum of Natural History, Tel Aviv University	Israel
CLA	Martin Nuñez	Universidad Nacional del Comahue/CONICET	Argentina
LA	Michael Ansong	Kwame Nkrumah University of Science and Technology	Ghana
LA	Phill Cassey	University of Adelaide	Australia
LA	Katharina Dehnen-Schmutz	Centre for Agroecology, Water and Resilience, Coventry University	Germany
LA	Georgi Fayvush	Institute of Botany of NAS of Armenia	Institute of Botany NAS of Armenia
LA	Ankila Hiremath	Ashoka Trust for Research in Ecology and the Environment (ATREE)	Ashoka Trust for Research in Ecology and the Environment (ATREE)
LA	Makihiko Ikegami	National Institute for Environmental Studies	Japan
LA	Angeliki-Kelly Martinou	Laboratory of Vector Ecology and Applied Entomology/Joint Services Health Unit Cyprus, Enalia Physis, Cyprus Institute	Cyprus

Chapter 4: Impacts

LA	Shana McDermott	Trinity University	United State of America
LA	Cristina Preda	Ovidius University of Constanta	Czechia
LA	Alejandro Valenzuela	National University of Tierra del Fuego and National Council for Scientific and Technical Research	Argentina
LA	Montserrat Vila	Estación Biológica de Doñana (EBD-CSIC)	Spain
LA	Olaf Weyl	South African Institute for Aquatic Biodiversity	South Africa
RE	Rajesh Rai	Institute of Forestry, Tribhuvan University	Nepal
RE	David Richardson	Stellenbosch University	South Africa
Fellow	Romina Fernandez	CONICET	Instituto de Ecología Regional, Universidad Nacional de Tucumán
Fellow	Ellen Ryan-Colton	Charles Darwin University and Anangu Pitjantjatjara Yankunytjatjara	Australia

Chapter 5: Future scenarios of the sustainable use of wild species

CLA	Sankaran Kavileveettil	FAO of the UN	India
CLA	Evangelina Schwindt	IBIOMAR-CONICET	Argentina
CLA	Andrew Sheppard	CSIRO	Australia
LA	Rafael Dudeque Zenni	Federal University of Lavras (UFLA)	Brazil
LA	Chika Egawa	Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization Japan	Japan
LA	Llewellyn Foxcroft	South African National Parks	South Africa
LA	Ana Isabel Gonzalez-Martinez	CONABIO National Commission for the knowledge and use of biodiversity	Mexico
LA	John Bukombe Kija	Tanzania Wildlife Research Institute	Tanzania Wildlife Research Institute
LA	Jana Mullerova	Institute of Botany, Czech Academy of Sciences	Czechia
LA	Lora Peacock	Ministry for Primary Industries- New Zealand	New Zealand
LA	Sonia Vanderhoeven	Belgian Biodiversity Platform	Belgium
LA	Wycliffe Wanzala	Maasai Mara University	Kenya
RE	Shyama Pagad	IUCN SSC Invasive Species Specialist Group/ University of Auckland, New Zealand	New Zealand
RE	Silvia Ziller	The Horus Institute for Environmental Conservation and Development	International Union for Conservation of Nature (IUCN)
Fellow	Maria Loreto Castillo	Researcher, Stellenbosch University	Centre for Invasion Biology-Stellenbosch University

Chapter 5: Future scenarios of the sustainable use of wild species

Fellow	Dongang Mangwa	Dongang Ceraphine Mangwa, Department of Environmental Science, University of Buea	Cameroon
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Chapter 6: Policy options and responses

CLA	Patricia Howard	Wageningen University Dept. of Social Sciences and University of Kent School of Anthropology and Conservation	United Kingdom
CLA	Melodie McGeoch	La Trobe University	Future Earth
CLA	Alejandro Ordóñez	Aarhus University – Denmark	Denmark
LA	Ernesto Brugnoli	Faculty of Sciences- Universidad de la República	Uruguay
LA	Bridget Bwalya Umar	University of Zambia	Zambia
LA	Chaeho Byun	Andong National University	Republic of Korea
LA	Miguel Fernandez Trigos	NatureServe	NatureServe
LA	Quentin Groom	Meise Botanic Garden	Belgium
LA	Stanislav Ksenofontov	Ammosov North Eastern Federal University	Russian Federation
LA	Henn Ojaveer	University of Tartu	Estonia
LA	Bharat Shrestha	Central Department of Botany, Tribhuvan University, Kathmandu	Nepal
LA	Daniel Simberloff	University of Tennessee	United States of America
RE	Julie Lockwood	Rutgers University	United States of America
RE	Sophie Riley	University of Technology Sydney	Australia
Fellow	Ninad Mungi	Wildlife Institute of India	India
Fellow	Betty Rono	Egerton University and German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig	German Center for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

Appendix IV

Timeline for the thematic assessment on values

<i>Date</i>	<i>Actions and institutional arrangements</i>
2018	
March	Approval by Plenary, at its sixth session, of the conduct of the assessment on values
April	Request for nominations of experts from Governments and other stakeholders
June	Selection by the Multidisciplinary Expert Panel of the co-chairs, coordinating lead authors and lead authors, in accordance with the process set out in annex I to decision IPBES-3/3
August	Meeting of the management committee of the assessment
November	First author meeting (Mexico City, Mexico). Preparation of the advanced annotated outline of the chapters
2019	
March	Completion of the advanced annotated outline of the chapters and internal review
March-July	Preparation of the first order draft of the chapters
July-September	First external review by experts of the first order draft of the chapters
October	Second author meeting (Vitoria-Gasteiz, Spain). Preparation of the second order draft of the chapters and first order draft of the summary for policymakers
2020	
April	Second internal review
May	Virtual workshop for the summary for policymakers
June - July	Call for contributions on indigenous and local knowledge
2021	
January - March	Second external review, by Governments and experts, of the second order draft of the chapters and the first draft of the summary for policymakers
February - March	Consultation with national focal points (online) Webinar with stakeholders Dialogue workshop on indigenous and local knowledge
April	Third author meeting (virtually). Preparation of the final draft of the chapters and final draft of the summary for policymakers Meeting to further develop the summary for policymakers, back-to-back with the third author meeting (virtually)
May	Virtual workshop to advance the summary for policymakers
July - August	Additional review by Governments of the summary for policymakers (6 weeks, to be confirmed)
December	Preparation of final drafts of the chapters and of the summary for policymakers
2022	
	Final review of the summary for policymakers by Governments prior to the ninth session of the Plenary
	Ninth session of the IPBES Plenary invited to approve the summary for policymakers and accept the chapters of the assessment
	Final laid-out versions of chapters and summary for policymakers, outreach and communication.

Appendix V

Timeline for the thematic assessment of the sustainable use of wild species

<i>Date</i>	<i>Actions and institutional arrangements</i>
2018	
March	Approval by Plenary, at its sixth session, of the conduct of the assessment of the sustainable use of wild species
April	Request for nominations of experts from Governments and other stakeholders
June	Selection by the Multidisciplinary Expert Panel of the assessment co-chairs, coordinating lead authors and lead authors, in accordance with the process set out in annex I to decision IPBES-3/3
September	Meeting of the management committee of the assessment
December	First author meeting (Montpellier, France). Preparation of the advanced annotated outline of the chapters
2019	
First quarter	Completion of the advanced annotated outline of the chapters and internal review
March-July	Preparation of the first order draft of the chapters
August-October	First external review by experts of the first order draft of the chapters
November	Second author meeting (Nairobi). Preparation of second order draft of the chapters and first order draft of the summary for policymakers
2020	
First - fourth quarter	Continuation of preparation of second order draft of chapters and first order draft of summary for policymakers
April and August	Internal reviews of drafts
June - July	Call for contributions on indigenous and local knowledge
September	Workshop to advance the development of the summary for policymakers (online)
2021	
First/second quarter	Continuation of preparation of second order draft of chapters and first order draft of summary for policymakers
January	Internal review of drafts
March	Workshop to advance the development of the summary for policymakers (online)
April-June	Second external review by Governments and experts of the second order draft of the chapters and of the first draft of the summary for policymakers
May	Consultation with national focal points (online) Webinar with stakeholders
July	Dialogue workshop on indigenous and local knowledge Third author meeting (Montpellier, France, and online). Meeting to further develop the summary for policymakers, back-to-back with the third author meeting (Montpellier, France).
Third/fourth quarter	Preparation of final drafts of the chapters and of the summary for policymakers.
2022	
	Final review of the summary for policymakers by Governments prior to the ninth session of the Plenary
	Ninth session of the IPBES Plenary invited to approve the summary for policymakers and accept the chapters of the assessment
	Final laid-out versions of report chapters and summary for policymakers, outreach and communication.

Appendix VI

Timeline for the thematic assessment of invasive alien species

<i>Date</i>	<i>Actions and institutional arrangements</i>
2018	
March	Approval by Plenary, at its sixth session, to conduct a thematic assessment of invasive alien species following its seventh session
October	Request for nominations of experts from Governments and other stakeholders
2019	
April/May	Selection, by the Multidisciplinary Expert Panel, of the assessment co-chairs, coordinating lead authors and lead authors, in accordance with the process set out in annex I to decision IPBES-3/3
June	Meeting of the management committee of the assessment, 6-8 June 2019
August	First author meeting, 19 – 23 August 2019. Preparation of the advanced annotated outline of the assessment chapters
December	Completion of the advanced annotated outline of the assessment chapters and internal review
2020	
January-August	Preparation of the first order draft of the chapters
August-October	First external review: 31 August – 18 October 2020. Review by experts of the first order draft of the chapters
November-December	Second author meeting: 30 November – 7 December 2020. Preparation of second order draft of the chapters
Fourth quarter	Continuation of preparation of second order draft of chapters and first order draft of summary for policymakers
2021	
February-March	First meeting to advance the summary for policymakers: 22, 25 February and 3 March 2021
First quarter/Second quarter/Third quarter	Continuation of preparation of second order draft of chapters and first order draft of summary for policymakers Second meeting to advance the summary for policymakers
Fourth quarter	Second external review by Governments and experts of the second order draft of the chapters and of the first order draft of the summary for policymakers Consultation with national focal points
2022	
First quarter	Third author meeting Third meeting to advance the summary for policymakers, back-to-back with the third author meeting.
Second quarter/Third quarter/Fourth quarter	Continuation of preparation of final drafts of the chapters and of the summary for policymakers
2023	
The timeline will depend on the date for the tenth session of the Plenary	Preparation of final drafts of the chapters and of the summary for policymakers Final review of the summary for policymakers by Governments prior to the tenth session of the Plenary Tenth session of the IPBES Plenary invited to approve the summary for policymakers and accept the chapters of the assessment Final laid-out versions of chapters and summary for policymakers, outreach and communication.