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PROGRESS REPORTS

Progress report of the Special Report on the Ocean and Cryosphere in a Changing Climate

(Prepared by the Co-Chairs of the IPCC Working Group II)

(Submitted by the Secretary of the IPCC)

PROGRESS REPORTS

Progress report of the Special Report on the Ocean and Cryosphere in a Changing Climate

1. Summary

The following is a report on the preparation of the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate since the 46th Session of the IPCC (IPCC-46) in September 2017.

Recent key activities and meetings for IPCC Special Report on the Ocean and Cryosphere in a Changing Climate, in chronological order, have been:

- IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) First Lead Author Meeting held in Nadi, Fiji, 2–6 October 2017;
- Completion of the SROCC Internal Draft in December 2017;
- Informal Review of the SROCC Internal Draft 15 December 2017 – 19 January 2018;
- IPCC Special Report on the Ocean and Cryosphere in a Changing Climate Second Lead Author Meeting held in Quito, Ecuador, 12–16 February 2018;
- Preparation of the SROCC First Order Draft and the Expert Review (ongoing).

2. Activities in Support of the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate

Key activities that have been completed in support of the IPCC Special Report on the Ocean and the Cryosphere in a Changing Climate (SROCC) since IPCC-46 :

- On 1 December 2017, the SROCC Internal Draft, consisting of six Chapters and the Integrative Cross-Chapter Box on Low Lying Coasts and Islands was submitted to the Working Group II Technical Support Unit (WGII TSU) for compilation in preparation for the Informal Review.
- On 15 December 2017, the SROCC Internal Draft was circulated for Informal Review. Reviewers were proposed by the SROCC Coordinating Lead Authors and the WGI and WGII Bureau Members. The WGII TSU worked with the IPCC Secretariat to develop and implement an online review mechanism that provided reviewers with the ability to download the chapters and upload review comments via an Excel review form. The Informal Review of the Internal Draft was intended to provide the Chapter teams with an early indication as to whether their first compilation reflects the available peer-reviewed literature and provides a balanced coverage of the chapter's scope. The individual reviewers were asked to focus specifically on chapter structure, coverage, gaps, balance, and cross-chapter issues. 34 experts submitted 1606 comments on the Internal Draft. These comments were considered during the Second Lead Author Meeting and will be taken into account during the development of the First Order Draft.
- The chapter teams are currently preparing the First Order Draft, which will be circulated for Expert Review from 4 May to 29 June 2018. The registration system will become available from the IPCC website beginning in early April 2018, allowing experts from around the world to register to review the SROCC First Order Draft. All experts nominated but not selected for a role in SROCC will be invited to register to serve as Expert Reviewers.

3. Meetings in Support of the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate

Meetings that have been held in support of the IPCC Special Report on the Ocean and the Cryosphere in a Changing Climate (SROCC) since IPCC-46 :

- The *SROCC First Lead Author Meeting* was held in Nadi, Fiji, 2–6 October 2017. The kind support of the Government of Fiji and the University of the South Pacific are gratefully acknowledged. This first meeting of Coordinating Lead Authors and Lead Authors provided a substantive start to the Special Report. The meeting structure included a mix of plenary sessions, individual chapter team meetings, and breakout groups on cross-chapter issues.

During plenary sessions, background presentations were provided on the scoping meeting and the agreed outline, and introductory presentations were given on the IPCC Procedures, the IPCC Uncertainty Language, and the Use of Literature in IPCC Reports. The WGII Technical Support Unit introduced a number of resources that were developed to support of the writing process. These include a compilation of technical resources such as a Chapter Template & Style Guide and a Reference Management Guide, as well as a suite of electronic resources such as the SROCC Author Portal, a document repository and exchange mechanism, and the UNEP-IPCC Library.

The First Lead Author Meeting was supported by a Media Briefing held on the morning of the first day, as well as two Outreach Events, held at the Fiji Meteorological Service and at the University of the South Pacific. Additional detail on the media and outreach events held in conjunction with the meeting is contained in the report on the communication activities of the IPCC.

- The *SROCC Second Lead Author Meeting* was held in Quito, Ecuador, 12–16 February 2018. The kind support of the Government of Ecuador and the Ministry for the Environment are gratefully acknowledged. This second meeting of Coordinating Lead Authors and Lead Authors was critical in making progress on the Special Report. The Chapter teams discussed the comments received in the Informal Review or the Internal Draft and considered how to address these in preparing the First Order Draft of the chapters.

During the meeting, a number of cross-chapter breakout groups were held to focus on issues of gaps, overlaps and chapter boundaries. Plenary presentations and discussions were held on topics such as Deep Uncertainty, Detection & Attribution, Indigenous Knowledge, and Case Studies. In addition, additional focus was given to the development of the Executive Summaries, Frequently Asked Questions, and Glossary, as well as the Integrative Cross-Chapter Box on Low Lying Islands and Coasts and new Cross-Chapter Boxes on Risk and Resilience, Governance, and Deep Uncertainty. A separate meeting of the Coordinating Lead Authors was held on the afternoon of the last day to focus on the emerging storyline for the Report to support the eventual development of the Summary for Policymakers.

The Second Lead Author Meeting was supported by a Media Dialogue held on the morning of the first day and a bilateral discussion between the Government of Ecuador and the IPCC, including participation by the Minister of the Environment, the Undersecretary for Climate Change, and the WGI/II Co-Chairs. In addition, a public Outreach Event was held at the Universidad Andina Simón Bolívar on the evening of the last day of the meeting. Additional detail on the media and outreach events held in conjunction with the meeting is contained in the report on the communication activities of the IPCC.