

REPORT OF THE FIFTY-FOURTH SESSION OF THE IPCC

Electronic Session, 26 July – 6 August 2021

1. OPENING OF THE SESSION

The Chair of the IPCC, Mr Hoesung Lee, called the 54th Session of the IPCC (IPCC-54) to order at 11:00 (CET) on Monday 26 July 2021.

The Chair invited the Secretary of the IPCC, Mr Abdalah Mokssit, to moderate the opening session. Secretary Mokssit welcomed the participants to the first ever virtual approval session of IPCC and announced the guidelines for the Session and moderated the opening statements from the World Meteorological Organization (WMO), the United Nations Environment Programme (UNEP) and the United Nations Framework Convention on Climate Change (UNFCCC).

Mr Petteri Taalas, Secretary-General of WMO, Ms Joyce Msuya, Deputy Executive Director of UNEP and Ms Patricia Espinosa, Executive Secretary of UNFCCC, addressed the Panel.

Mr Taalas highlighted the importance of the Working Group I report in informing the decisions of the 26th session of the Parties of the UNFCCC and drew attention to the need for adaptation and early warning in the face of the increased extreme weather events.

Ms Msuya appraised the IPCC for keeping up its work during the pandemic and urged governments to ensure a green recovery from COVID-19 and to translate net-zero commitments into concrete action.

Ms Espinosa recalled what science had consistently warned us on, that of the increased extreme weather events. She noted that the current emissions levels put the world on track for a more than a 3°C rise in average global temperature, and urged governments to present strategies for achieving a 45% reduction in emissions by 2030 and reaching net-zero emissions by 2050.

Mr Lee saluted the work of the IPCC authors in challenging circumstances, noted the fact that the approval session was taking place in an unprecedented virtual format, highlighted the importance of science in addressing health and environmental challenges, and expressed confidence that the new IPCC report would be a valuable resource for policymakers.

After a short pause, the provisional agenda of the Session as contained in document [IPCC-LIV/Doc. 1](#) and [IPCC-LIV/Doc. 1, Add. 1](#) was adopted.

2. APPROVAL OF THE DRAFT REPORT OF THE 53rd SESSION OF THE IPCC AND THE 53rd (bis) SESSIONS OF THE IPCC

The draft reports of the 53rd Session of the IPCC and the 53rd (bis) Session of the IPCC as contained in documents IPCC-LIV/Doc. 2 and IPCC-LIV/Doc. 3 were presented and approved without changes.

The Chair suspended the 54th Session of the IPCC and handed over to the Co-Chairs of Working Group I for the 14th Session of Working Group I to conduct their work.

3. ACCEPTANCE OF THE ACTIONS TAKEN AT THE FOURTEENTH SESSION OF WORKING GROUP I

Working Group I Co-Chairs, Ms Valérie Masson-Delmotte and Mr Panmao Zhai led the consideration and approval of the Summary for Policy Makers (SPM) of the Working Group I Report which took place from 26 July – 6 August 2021, at the 14th Session of the Working Group I. This included consideration of the subsections of the SPM by the Panel in plenary sessions with delegates commenting on them and respective Headline Statements. Meetings between authors took place to discuss on how to address delegates' comments and revise the text accordingly. Contact group sessions and huddles when needed were subsequently held to discuss the subsections ahead of the plenary session where they were taken up for approval.

The Chair of the IPCC reconvened the 54th Session of the IPCC and thanked the delegates for their support and cooperation during the approval of the Working Group I Sixth Assessment Report (AR6) Summary for Policymakers at the 14th Session of the Working Group I. He invited Working Group I Co-Chairs to present the outcome of the 14th Session of Working Group I.

Ms Valérie Masson-Delmotte cited Section 4.4. of [Appendix A](#) to the Principles Governing IPCC Work and informed the Panel about relevant documents that were posted on the PaperSmart portal, which included the Summary for Policymakers which was approved by delegates at the 14th Session of Working Group I and the document that presented changes which were made to the underlying chapters to ensure consistency with the approved Summary for Policymakers. Ms Masson-Delmotte thanked the Governments of France and China for their support which enabled the Working Group I Co-Chairs to establish a very strong Technical Support Unit (TSU), and the TSU staff who played a key role during the Working Group I assessment process and facilitated a participatory and inclusive approach during the 14th Session of Working Group I.

One delegate requested to comply with the IPCC practice and give the plenary time to look at the final SPM before acceptance since the final version of the SPM was not on PaperSmart Portal until the session resumed. Egypt, Japan, Mexico, Norway, the United Republic of Tanzania, and the European Union took the floor. Delegates mentioned their appreciation and trust in the authors, Working Group I Co-Chairs and the TSU staff who worked on the documents iteratively during the approval process and expressed their wish to avoid delays in concluding the Session. After consulting the IPCC Secretariat, Ms Masson-Delmotte informed the delegates the availability of about an hour to read the latest version of the Working Group I AR6 SPM which had recently been posted on the PaperSmart portal.

When the Session reconvened Ms Masson-Delmotte informed the Panel that they spotted some problems on Footnote 43, which they addressed. One delegate mentioned that they had looked through the Summary for Policymakers and were satisfied with its content.

The Chair of the IPCC invited the Panel to accept the actions taken at the 14th Session of Working Group I, related to the approval of the Summary for Policymakers of Working Group I contribution to the AR6 and the acceptance of the underlying scientific and technical assessment in accordance with Section 4.4 of Appendix A of the Principles Governing IPCC Work.

India, Republic of Korea, Saudi Arabia and Switzerland took the floor.

The status of the Working Group I Interactive Atlas was questioned, and it was noted that the procedure for approving this digital product which is associated with data transparency is not stipulated in the Principles Governing IPCC Work. It was suggested that there could be an explicit declaration that the Atlas is an integral part of the Working Group I report. One delegate mentioned that they were unable to view Working Group I SPM Figure 6.

Ms Fatima Driouech, Vice-Chair of Working Group I mentioned that the Atlas was based on the data underlying the Working Group I report. Ms Masson-Delmotte clarified that the Atlas is not part of the SPM but a component of the underlying scientific and technical report which provides a visualization of information assessed in the underlying chapters, and it is similar to [Annex I](#) of the Working Group I Fifth Assessment Report, which was in the form of static maps. One delegate appreciated the clarification provided and welcomed the Working Group I Interactive Atlas noting it should remain a faithful visualization of the data and their analysis as presented in the report instead of being interpreted as an alternate summary of the contents of the report.

The IPCC Legal Officer clarified that the Interactive Atlas is not part of the SPM and is not subject to the approval process.

The Panel accepted the actions taken at the 14th Session of the Working Group I, related to the approval of Working Group I AR6 SPM and the acceptance of the underlying scientific and technical assessment.

Australia, Belgium, Brazil, Canada, Chile, China, Denmark, Egypt, France, Iceland, India, Ireland, Japan, Luxembourg, Netherlands, Norway, Republic of Korea, Russian Federation, Spain, Sweden, Switzerland, Trinidad and Tobago, Ukraine, United Kingdom, United States of America, Climate Action Network International (CAN-I) and First World Committee for Consultation (FWCC) made remarks after the acceptance of the Working Group I AR6 SPM and the underlying report.

Delegates thanked and congratulated the IPCC Chair, Working Group I Co-Chairs and Bureau members, the TSU, authors, IPCC Secretariat, Working Groups II and III, and everyone who contributed to the work of Working Group I contribution to the Sixth Assessment Report throughout the assessment process, and to the success of the 14th Session of Working Group I. Many spoke of the spirit of compromise and collaboration towards achieving this success.

The huge contributions by the governments of France and China in funding and supporting the Working Group I Co-Chairs and the Working Group I TSU were appreciated. The preparatory steps and the way the 14th Session of Working Group I was conducted in a virtual mode and under exceptional circumstances largely due to the COVID-19 pandemic, and the quality of the Working Group I AR6 SPM and the underlying report were commended.

The representative of the Republic of Korea informed the Panel that the usage of the name East Sea when referring to the sea between the Korean Peninsula and the Japanese archipelago is increasing at the global scale and that the usage of “Sea of Japan” has never been the position of the United Nations endorsed by member states. The representative further requested the addition of a disclaimer explaining that the name of the sea used in the Working Group I report does not represent the official position of the United Nations and the IPCC.

The representative of Japan stated that the Sea of Japan is the only internationally established name which is the standard geographical term used in all United Nations publications and in references, and expressed its reservation for acceptance of any parts that do not conform to the aforementioned principle.

Other delegates remarked, suggested and/or recommended that: efforts should be made to expedite publication and printing of the Working Group I AR6, and translation of the SPM to all the United Nations languages; all plausible future scenarios should be considered, particularly those which are relevant in the near term; the Working Group I AR6 findings should be effectively communicated widely particularly to policymakers and UNFCCC¹ climate negotiators ahead of and at the Glasgow Climate Change Conference ([COP 26](#)); a survey could be conducted to elicit delegates’ views on how the 14th Session of Working Group I was conducted to draw lessons and

¹ [United Nations Framework Convention on Climate Change](#)

best practices for future approval sessions; Working Group II and Working Group III approval Sessions could be held in hybrid mode; the innovation that was introduced to the Working Group I AR6 was commended, such as the regional information in the assessment, the increased integration across IPCC Working Groups which would consequently increase the report's impact, and the Interactive Atlas whose preparation was mainly supported by the Spanish Government. France said that while they will not oppose the approval of Figure 1 they deeply regret the absence of a figure showing the recent evolution of atmospheric concentration for the main greenhouse gases and hope that such a figure will be included in the Summary for Policymakers of the Synthesis Report, for it is essential to understand climate change and requested their statement to be attached to the report of the Session (Annex 2).

Ms Valérie Masson-Delmotte thanked her colleague Mr Panmao Zhai, Working Group I Co-Chair, IPCC Bureau members, particularly the Working Group I Bureau, the authors who were involved in the preparation of the AR6 Special Reports and the Working Group I contribution to the AR6. She remarked that the request by the Panel to prepare three Special Reports and the main assessment in the sixth assessment cycle appeared to be an inordinate task. Notwithstanding the breakout of the COVID-19 pandemic, which made the work strenuous, the authors and the research community devoted themselves despite difficult conditions they encountered. Ms Masson-Delmotte further informed the Panel that during the AR6 assessment process, a lot of work was done remotely because she and most of the TSU staff were based in Saclay near Paris, France, Mr Zhai was based in Beijing, China, and Ms Anna Pirani, Head of Working Group I Technical Support Unit was based in Trieste, Italy. The Working Group I Co-Chair gratefully attributed their success to the immense contribution by their author team comprising some astute and highly skilled scientists, as well as early career scientists from across all continents who could be used as resource persons to provide guidance in climate-related decision-making processes. Delegates were urged to productively use the Working Group I findings to inform climate action. She requested the IPCC Secretariat to include the Figure 6, which had been missing from the version distributed on the PaperSmart portal.

Mr Panmao Zhai thanked the delegates who participated in the 14th Session of Working Group I Session for their cooperation and constructive comments during the approval of the Working Group I AR6 SPM, and governments, organizations and institutions who provided support for the authors throughout the AR6 process.

The IPCC Legal Officer noted that there was a disagreement by some delegates regarding the use of the "Sea of Japan" terminology in the Working Group I AR6. She mentioned that the IPCC follows United Nations (UN) practices regarding terminology, and that the UN Office of Legal Affairs indicated that the term "Sea of Japan" is the commonly used and widely recognized designation for the sea area concerned; further, that this is a practice endorsed by the entire UN Secretariat including the Executive Office of the Secretary-General. She also pointed out that the use of the term "Sea of Japan" by the UN and the IPCC does not constitute an official position or policy nor an endorsement of the term, and it is without prejudice to the positions of individual countries with respect to the issue. The Legal Officer furthermore informed the Panel that it is also the policy of the United Nations to include a standard disclaimer in its documentation that reads: "The designations employed and the presentation on maps do not imply the expression of any opinion whatsoever on the part of the Secretariat of the UN concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries."

4. ANY OTHER BUSINESS

There was no agenda item discussed under AOB.

5. PLACE AND DATE FOR THE 55TH PLENARY SESSION OF THE IPCC

The Chair of the IPCC invited the Secretary of the IPCC to introduce the agenda item.

Mr Abdalah Mokssit informed the Panel that according to the updated [IPCC Strategic Planning Schedule](#), the 55th Session of the IPCC (IPCC-55) and the 12th Session of Working Group II (WG II-12) are scheduled to be held from 14–18 February 2022. The Government of Germany offered to host the IPCC-55 and WGII-12 whose main objectives would be to approve the Working Group II Contribution to the Sixth Assessment Report. The evolution of the COVID-19 would be monitored to inform decisions on the format of the IPCC-55 Session, which might either be an in-person meeting or virtual or a hybrid approach. Mr Mokssit also mentioned that they were considering options to organize an IPCC Session before the end of 2021, dedicated to the approval of the 2022 budget by the Panel. The modalities for conducting the Session later in 2021 would be discussed by the IPCC Executive Committee.

Mr Mokssit announced that two other governments have offered to host IPCC Sessions in 2022. The United Kingdom offered to host the 56th Session of the IPCC (IPCC-56) and the 14th Session of Working Group III (WGIII-14), which will be dedicated to the approval of the Working Group III Contribution to the Sixth Assessment Report. Switzerland offered to host the 57th Session of the IPCC (IPCC-57) which will be the approval Session of the Sixth Assessment Report Synthesis Report.

Germany thanked Working Group I Co-Chairs, TSU, and the experts who dedicated time and effort to contribute to the work of the IPCC, and during the 14th Session of Working Group I. He reminded the Panel about Germany's contribution in hosting the Working Group II Technical Support Unit and announced their offer to host the IPCC-55 in February 2022, which will mainly be dedicated to acceptance of the Working Group II Contribution to the Sixth Assessment Report. Germany expressed their wish to welcome delegates in-person for the IPCC-55 Session and mentioned that they would continue to work with the IPCC Secretariat and the Working Group II Technical Support Unit in considering viable options and making all the necessary arrangements.

The United Kingdom thanked the Government of Germany for offering to host the IPCC-55. She confirmed that the United Kingdom offered to host the IPCC-56 which will mainly be dedicated to the acceptance of the Working Group III Contribution to the Sixth Assessment Report in March 2022. She expressed her hope to invite IPCC delegates to the United Kingdom in person and mentioned that they would continue to work with the IPCC Secretariat and the Working Group III Technical Support Unit on the organization of the Session to ensure that it is successful, inclusive and safe.

Switzerland thanked the governments of Germany and the United Kingdom for offering to host the IPCC Sessions early in 2022. He reiterated their offer to host the IPCC-57 in Geneva in September 2022 which will be the approval Session of the Sixth Assessment Report Synthesis Report. Switzerland would work with the IPCC Chair and the IPCC Secretariat to ensure that the IPCC-57 is a success and expected that it would be an in-person meeting.

The IPCC Chair thanked the governments of Germany, Switzerland and United Kingdom for their generous offers to host IPCC Sessions in 2022. Mr Hoesung Lee further thanked the outgoing IPCC Focal Point for Switzerland, Mr José Romero for his support and contribution to the work of the IPCC over the past decades and expressed his goodwill to Mr Romero in his future endeavours.

6. CLOSING OF THE SESSION

The Session closed at 2:00 p.m. on Friday 6 August 2021.

54TH SESSION OF THE IPCC

26 July – 6 August 2021 (Electronic Session)

Decisions adopted by the Panel**Decision IPCC-LIV-1. Adoption of the Provisional Agenda**

Documents: IPCC-LIV/Doc.1 and IPCC-LIV/Doc.1, Add.1

The Intergovernmental Panel on Climate Change at its Fifty-Fourth Session adopts the Provisional Agenda as contained in document IPCC-LIV/Doc.1.

Decision IPCC-LIV- 2. Approval of the draft report of the 53rd Session of the IPCC

Document: IPCC-LIV/Doc. 2

The Intergovernmental Panel on Climate Change at its Fifty-Fourth Session approves the report of the Fifty-Third Session of the IPCC.

Decision IPCC-LIV- 3. Approval of the draft report of the 53rd (bis) Session of the IPCC

Document: IPCC-LIV/Doc. 3

The Intergovernmental Panel on Climate Change at its Fifty-Fourth Session approves the report of the Fifty-Third (bis) Session of the IPCC.

Decision IPCC-LIV- 4. Acceptance of the actions taken at the Fourteenth Session of Working Group I

Documents: IPCC-LIV/Doc. 4, Rev. 2; IPCC-LIV/Doc. 5, Rev.1

The Intergovernmental Panel on Climate Change at its Fifty-Fourth Session accepts the actions taken at the Fourteenth Session of Working Group I, related to the approval of the Summary for Policymakers of Working Group I contribution to the Sixth Assessment Report and the acceptance of the underlying scientific-technical assessment in accordance with Section 4.4 of Appendix A to the Principles Governing IPCC Work.

Déclaration de la France pour inclusion dans les rapports de la 14^e session du Groupe de Travail 1 et dans le rapport de la 54^e session du GIEC

Merci de nous avoir donné la parole et d'avoir écouté nos préoccupations.

Par respect du travail des auteurs et pour laisser un temps suffisant pour discuter des autres sujets encore ouverts, la France ne s'oppose pas à l'approbation de la Figure 1.

Néanmoins, nous regrettons profondément l'absence d'un graphique montrant l'évolution récente de la concentration atmosphérique des principaux gaz à effet de serre.

Nous espérons qu'une telle figure apparaisse dans le résumé pour décideurs du rapport de synthèse car elle est essentielle pour comprendre le changement climatique.

Nous disposons en effet de suffisamment d'éléments scientifiques pour établir une telle figure, qui était présente dans tous les rapports d'évaluation précédents du GIEC.

Cela permettrait d'expliquer clairement le message essentiel suivant : pour garder une chance d'être en ligne avec les objectifs de l'Accord de Paris, il faut stopper collectivement dès que possible la hausse de la concentration atmosphérique en CO₂.

Pour cela il faut absolument réduire dès maintenant et très fortement les émissions de CO₂.

Nous demandons que cette déclaration soit inscrite intégralement dans le rapport de la 14^e session du Groupe de Travail 1 ainsi que dans le rapport de la 54^e session plénière du GIEC.

Courtesy translation of the statement made by France to be included in the report of the WG1-14^e session and in the report of the 54th session of the IPCC

Thank you for giving us the floor and for having listened to our concerns.

Out of respect for the work of the authors and in order to leave enough time to discuss the other open issues remaining, France will not oppose the approval of Figure 1.

However, we deeply regret the absence of a figure showing the recent evolution of atmospheric concentration for the main greenhouse gases.

We hope that such a figure will be included in the summary for policy makers of the synthesis report, for it is essential to understand climate change.

Sufficient scientific elements are available for the preparation of such a figure, which was present in all previous IPCC assessment reports.

This would allow to explain clearly the following message:

- In order to preserve a chance to be in line with the objectives of the Paris Agreement, it is necessary to collectively halt as soon as possible the increase of CO₂ concentration in the atmosphere.

For this we absolutely need to immediately and very strongly reduce global CO2 emissions

We ask that this statement be included in its entirety in the report of the 14th session of Working group 1 as well as in the report of the 54th Plenary session of the IPCC.

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

54th SESSION OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

Electronic Session – 26 July to 6 August 2021

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