

SIXTY-THIRD SESSION OF THE IPCC
Lima, Peru, 27 to 30 October 2025

IPCC-LXIII/INF. 11
(17.X.2025)
Agenda Item: 9.3
ENGLISH ONLY

PROGRESS REPORTS

Report by Working Group I

(Prepared by the Co-Chairs of Working Group I)

(Submitted by the Secretary of the IPCC)

PROGRESS REPORTS

Report by Working Group I

This report describes the activities undertaken by the Working Group I (WGI) since the last update presented during the Sixty-second Session of the IPCC in February 2025.

In this period, considerable efforts have been made to engage a diverse group of contributors and ensure work processes are inclusive. Such efforts have focused on ensuring a large and diverse pool of authors nominated and selected for the WGI contribution to the IPCC Seventh Assessment Report (AR7), engaging selected authors, and contributing to the planning and implementation of IPCC Workshops and Expert Meetings.

1. Establishment of the Technical support Unit

Since February 2025, Yona Silvy has joined the French Working Group I (WGI) Technical Support Unit (TSU) as Science Coordinator. Yona, is currently working part time with the TSU in order to finalize her ongoing activities within UniBern and will join at 100% in February 2026. She will be in charge of coordinating all the scientific aspects within the TSU and supporting the WGI Bureau and Authors in the preparation of the Report.

WGI TSU has appointed Arlene Birt as Information and Graphics Designer; Arlene has joined the team in September 2025. She will be supporting the WGI Bureau, Authors and TSU in all their graphic and design/information design activities.

WGI has opened a position of Communication Officer (<https://www.ipcc.ch/2025/09/17/com-officer-ipcc-wg-i-tsu/>) to be filled as soon as possible and is currently preparing a job announcement for a full time AI specialist who would join the team early 2026.

The French and the Chinese TSU work together at supporting the WGI Bureau. Weekly TSU meetings are organized to take stock and plan the work ahead.

2. Special Report on Climate Change and Cities

Since the Authors for this Report were selected, WGI TSU and Bureau have contributed, under the lead of WGII, to:

- ✓ the preparation and the holding of the First Lead Author Meeting which took place in Osaka, Japan in March 2025;
- ✓ the preparation and participation to training webinars for all Authors and to on-line meetings with the Coordinating Lead Authors;
- ✓ the review of the Zero Order Draft until 20 June;
- ✓ the preparation and the holding of the Second Lead Author Meeting that was held in Mombasa, Kenya, in July 2025.

WGI TSU and Bureau will be reviewing the First Order Draft of the Report which will open in October.

3. Working Group I contribution to the IPCC Seventh Assessment Report

Organisation of cross Working Group regional webinars to promote the IPCC

With the objective to enlarge the pool of contributors and develop inclusivity by bringing in new experts from a broad range of disciplines but also more women, scientists from developing countries, practitioners, early-career scientists and Indigenous communities, the Working Group Bureaus, with

support from local institutions, organized a series of regional webinars which were held between end of March and mid-April.

Almost 20 webinars were run, across all regions and in different languages, including presentations of the IPCC, of the outlines of the Reports and of the different ways to contribute to the IPCC. The interventions were followed by Q&A sessions.

Table: Overview of regional outreach webinars to support AR7 author nominations

Event	Date
<i>Outreach Event on IPCC Processes for Eastern Africa</i>	31 March
Small Islands	31 March
Singapore/Southeast Asia	1 April
Eastern Europe/Hungary	1 April
<i>Understanding the IPCC and opportunities to participate in the IPCC's Seventh Assessment report</i>	2 April
Southern Africa	
<i>How to become an IPCC Author</i>	3 April
Central, South and North America	
<i>Find out how to shape one of the decade's most important climate reports</i>	4 April
Asia	
Southwest Pacific I	4 April
Southwest Pacific II	7 April
<i>Outreach event on IPCC processes for West Africa</i>	7 April
<i>Author nomination for IPCC AR7: Central and Eastern Europe session</i>	7 April
<i>Outreach event on IPCC processes for Central Africa</i>	8 April
<i>How to get involved in IPCC assessments: Webinar for Indigenous Peoples</i>	7 and 8 April
<i>Outreach event on IPCC processes for North Africa</i>	9 April
<i>Webinaire d'information du 7ème cycle d'évaluation du GIEC</i>	9 April
West Africa	
Asia II	10 April
Southeast Europe/Türkiye	11 April

Call and selection of Authors

A joint call for nominations of Experts to act as Coordinating Lead Authors, Lead Authors and Review Editors Authors was launched on 10 March and closed on 17 April 2025. 1019 applications were received for WGI.

The Working Group I (WGI) Bureau met in Geneva, Switzerland, on 30 June and July 1st to finalize its selection. This was the culmination of a comprehensive and considered process that was developed and agreed by the WGI Bureau to best meet the aims stated in Appendix A of the *Principles Governing IPCC Work*; i.e., that the composition of the group of Coordinating Lead Authors (CLAs), Lead Authors (LAs), and Review Editors (REs) shall aim to reflect:

- ✓ *the range of scientific, technical and socio-economic views and expertise;*

- ✓ *geographical representation (ensuring appropriate representation of experts from developing and developed countries and countries with economies in transition); there should be at least one and normally two or more from developing countries;*
- ✓ *a mixture of experts with and without previous experience in IPCC;*
- ✓ *gender balance.*

When building chapter teams, WGI Bureau Members were asked to consider all the nominations and to provide a selection considering the expertise needed, based on the outline, as well as all the criteria as stated in Appendix A of Principles Governing IPCC Work. A special focus was brought to gender and regional/intra-regional balance, to the inclusion of Indigenous Knowledge and Local Knowledge representatives and to the participation of new comers to the IPCC.

Selected experts were informed about their nomination in July, just after agreement of the list during the IPCC Bureau sixty-ninth session. A formal invitation letter as well as a full nomination package was sent out. Two experts declined the invitation and the WGI Bureau Members met to discuss and agree on their replacement.

Table 1: Key milestones and WGI Bureau meetings in the author selection process

Step	Date	Activities
Call closes	17/04	
TSU work on the Full List	18/04 - 25/04	Compilation of author nominations, preparation of statistics, and mapping of expertise based on keywords previously defined and agreed upon by the WGI Bureau
Full List circulated to Bureau	28/04 – 19/05	Identification of 15 experts per chapter, including 3 CLAS VC focus on a selection of chapters CC focus on a selection of regions
Long List circulated to Bureau	21 May – 2 June	Identification of 3 CLAs, 5 LAs (6 for Chapters 3&7 and 7 for Chapter 4) and 1 RE for each chapter
Core List and Co-Chair suggestions circulated to Bureau members	6 June	Suggestion of Author teams (Co-Chair suggestion) for each Chapter, based on the outcomes of round 2 selections (Core List)
Discussion and finalization of CLA selections	10 June	Agreement on CLAs during WGI Bureau Meeting. Set up of a Short List
Discussion on the Short List	10 June – 16 June	Bureau members comment by email on the existing Short List and send feedback to Co-Chairs
Preparation of a pre-Final List	16 June-25 June	Based on the feedback from Bureau, Co-Chairs work on a Pre-Final List
Pre-Final List circulated to WGI Bureau	25 June - 30 June	WGI Bureau analysis and preparation for final selection
Final selection	30 June – 1 July	WGI Bureau meets in Geneva to finalize chapter teams.

After an introduction chapter, Chapter 1, that outlines the overall framing and concepts of the report, and provides space to assess sources of information, the outline includes 9 Chapters grouped into 3 main sections. Chapters 2 to 4 develop the current status and trends in the Earth system, their attribution to human-induced climate change or to other causes (Chapters 2 and 3), as well as the advances in the process understanding (Chapter 4) that underpin changes. Chapters 5 to 8 provide an assessment of the possible future conditions of the Earth system based on various emission and land use scenarios, and potential high-impact or abrupt changes that could occur. Chapters 9 and 10 develop assessments of relevant topics to inform climate risk assessments, mitigation and adaptation. The outline references an interactive Atlas that will be developed as an update to the AR6 interactive Atlas, adding more visual elements such as indices and charts, to illustrate the changes assessed in the Report, and particularly in Chapters 3 and 7.

The selection considered carefully the expertise needed to cover the topics identified within WGI as well as the links to be set up to treat the cross-WG topics.

A comparison between authors selected for AR6 and AR7, both the nomination pool and the selected slate of authors, is provided in Table 2.

Table 2: Summary Overview of Numbers and Percentages of Author Nominations and Selection and Comparison to AR6

Selection of 193 experts from 62 citizenships

	AR7 nominations		AR7 selection		AR6 nominations		AR6 selection*	
Total	1019		193		911		230	
DC/EIT	485	48%	88	46%	362	40%	97	42%
Female	321	32%	83	43%	227	25%	63	27%
New**	845	83%	118	61%	689	76%	142	62%

	AR7 nominations		AR7 selection		AR6 nominations		AR6 selection*	
Total	1019		193		911		230	
Africa	95	9%	22	11%	54	6%	25	11%
Asia	308	30%	41	21%	255	28%	47	20%
Europe	367	36%	65	34%	348	38%	89	39%
North America, Central America and the Caribbean	123	12%	27	14%	140	15%	32	14%
South America	61	6%	19	10%	53	6%	18	8%
South-West Pacific	65	6%	19	10%	61	7%	20	8%

* As presented during IPCC Bureau 55 on 31 January 2018

** Experts who have no previous experience as IPCC CLA, LA or RE are considered as “New”

Pre-LAM activities

The Working Group Bureaus have agreed to set up a series of coordinated pre-LAM activities, between September and November 2025, to facilitate the induction of participants and foster inclusivity. The objectives of these activities are to:

- ✓ Welcome and meet the Author teams ahead of LAM1 and start exchanging with them;
- ✓ Extend the training of the Author teams on several weeks (instead of packing everything during LAM1), giving them time to better assimilate the information and ask questions as needed;
- ✓ Allow Author teams to meet and start their collaboration ahead of LAM1;
- ✓ Allow more time for chapter, cross-chapter and cross-Working Group sessions during LAM1.

These activities include:

- ✓ Two Cross-Working Group webinars
The first one, led by WGI, was held during the week of 15 September and consisted in an introduction to the IPCC. It covered various topics as the IPCC (history, mandate, structure, report process), the structure and organisation of the Author Teams, the IPCC procedures and guidance and an introduction to the AR7 cycle. The presentations were followed by a large Q&A.

The webinar was held twice in order to cover the different time zones and allow maximum participation. The recordings of the meetings, the slides as well as a document compiling the questions and answers was sent to all Authors after the sessions. A total of over 500 participants attended this first activity.

A second Cross Working group webinar will be held in November and will focus on the IPCC Interactive Atlas. It will mainly convene Authors from WGI and WGII. The objective will be to present the existing tool and how it can be used in the assessment but also inform the teams about the plans related to the joint WGI-WGII Interactive Atlas.

- ✓ Coordinated CLA Meetings
Working Group Bureaus have agreed to start meeting with the Coordinating Lead Authors as early as possible to start discussing ahead of LAM1. These meetings will be held at Working Group level but, during the induction period (i.e until LAM1) the content delivered will be coordinated and agreed at Cross-Working group level in order to make sure the input is consistent.

Working Group 1 held its first CLA meeting during the week of 8 September, at two different times in order to cover the different time zones and allow maximum participation. A second meeting is scheduled for the week of 13 October.

WGI Bureau will be meeting on a monthly basis with the CLAs (daily during LAMs) and more as needed.

- ✓ Coordinated Working Group webinars
Working Group Bureaus have agreed to follow up on the first Cross-Working Group webinar with Working Group focused webinars. As for the meetings with the Coordinating Lead, these webinars will be held at Working Group level but the general content delivered will be coordinated and agreed at Cross-Working group level in order to make sure the input is consistent.

Working Group I will be holding its first webinar during the week of 20 October. It will focus on the WGI outline and also include some general information on how an IPCC Report is structured.

A second WGI webinar will be organized in November and will focus on LAM1 and include general information on the tools made available to Authors.

- ✓ Cross Working Group survey to identify Cross Working Group topics
The joint LAM1 in December will be a unique opportunity for Authors from all the Working Groups to meet and to discuss cross-Working Group topics, how they should be treated and to set up a work plan. In order to be able to structure the program of the week in a way that allows sufficient time for Cross Working Group coordination and discussion, the three WG Bureaus have agreed to prepare a survey for all Authors to identify, in advance of the meeting, the important Cross Working Group topics to be discussed. WGI will be coordinating the preparation of the survey which will be sent out to all the Author teams early October.

Preparation of the First Joint Lead Author Meeting

On the invitation of the French Government, the First joint Lead Author Meeting will be held in Paris on 1-5 December 2025 and will gather WGI-II-III experts. The operational preparation of the event is led by WGI.

WGI is pleased to confirm that a venue has been secured and that the logistical preparations of the event are ongoing. The program of the week is also being discussed with the other Working Groups.

Invitations to WGI-WGII-WGIII Contributing Lead Authors and Lead Authors were sent out at the end of July, along with an information package to facilitate travel, accommodation and visa arrangements.

AR7 Atlas

Since the agreement of the outlines in February 2025, discussions have taken place on the implementation of a potential joint WGI-WGII Atlas.

Experts at the Scoping Meeting emphasized the added value of ensuring strong alignment between the WGI and WGII Atlases. While each Working Group will develop its own Atlas content independently, efforts are underway to foster coordination, promote alignment where appropriate, and explore opportunities for synchronization. These refer to both content (data layers that are complementary) as technical (technical hosting operated jointly to allow cross-Working Group consultation and user experience).

Chapter Scientist program

Working Group I, under the lead of Working Group II, has participated to the set-up of a Chapter Scientist program for AR7.

In order to ensure greater representation from early-career researchers in the Global South, the International Centre for Theoretical Physics (ICTP), in partnership with the InterAcademy Partnership (IAP), has opened a call for applications for IPCC Chapter Scientists. The initiative is funded by Wellcome Trust and will enable early-career researchers in the Global South to contribute to the work of the IPCC. Support will be brought to Coordinating Lead Authors from the Global South as well as to their chapter team.

The call is available here: <https://www.ictp.it/opportunity/ipcc-ar7-chapter-scientists> and will remain open until mid-October.

4. Selection of Task Group on Data Support for Climate Change Assessments Bureau Members

Following the call for nominations of Experts to serve as Co-Chairs and members of the Task Group on Data Support for Climate Change Assessments, 193 applications were received. Bureau Members were asked to consider all the nominations and to provide a selection considering the expertise needed as defined by Bureau Members ahead of the start of the process as well as all the criteria as stated in Decision IPCC-XLIX-6, Annex 1, Terms of Reference and Mandate of the IPCC Task Group on Data Support for Climate Change Assessments.

The selection process, led by WGI, was intended to facilitate the selection of a robust and balanced list of maximum 20 experts (including 2 Co-Chairs) and to ensure consensus-based decisions. Selected experts were informed about their nomination in July, just after agreement of the list during the sixty-ninth session of the IPCC Bureau.

5. Cross-working group cosponsored Expert Meeting Earth system high impact events, tipping points and their consequences

WGI is pleased to announce that WCRP has officially given it's greenlight to hold a cross-working group cosponsored Expert Meeting entitled "Earth system high impact events, tipping points and their consequences". This event will take place in Paris on 26-28 November, back-to-back with the Joint First Lead Author Meeting.

70 Experts, including AR7 Working Group Authors, were selected by the Scientific Steering Committee and invitations were sent at the end of July. The program is currently under development.