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**REPORT BY THE WORKING GROUP BUREAUX ON THE SELECTION OF COORDINATING
LEAD AUTHORS, LEAD AUTHORS, AND REVIEW EDITORS FOR THE SIXTH ASSESSMENT
REPORT**

**Report on the selection of Coordinating Lead Authors, Lead Authors, and Review Editors
of Working Group II Contribution to the Sixth Assessment Report**

(Submitted by the Co-Chairs of the IPCC Working Group II on behalf of the Bureau of Working Group II)

(Submitted by the Secretary of the IPCC)

NOTE:

This is an advance version without the list of selected Coordinating Lead Authors, Lead Authors, and Review Editors by Chapter. A revised version of this report including the list of authors will be posted when the list has been finalized and received.

REPORT BY THE WORKING GROUP BUREAUX ON THE SELECTION OF COORDINATING LEAD AUTHORS, LEAD AUTHORS, AND REVIEW EDITORS FOR THE SIXTH ASSESSMENT REPORT

Report on the selection of Coordinating Lead Authors, Lead Authors, and Review Editors of Working Group II Contribution to the Sixth Assessment Report

1. The Working Group II AR6 Selection Process

The Working Group II Bureau met in Geneva, Switzerland, from 29 to 30 January 2018, to finalize its selection of Coordinating Lead Authors, Lead Authors and Review Editors for the WGII contribution to the IPCC Sixth Assessment Report (WGII AR6). This was the culmination of a comprehensive and considered process that included a careful, standardized evaluation of all the nominated experts and worked through the following steps:

- The nomination of experts by Government Focal Points, Observer Organizations and Bureau Members for the role of Coordinating Lead Author (CLA), Lead Author (LA) and Review Editor (RE) closed on 27 October 2017. 1037 experts from 95 countries were nominated. Of those experts nominated, 52% were from developed countries and 48% were from developing countries or countries with economies in transition. The regional distribution of nominations were Africa: 10%, Asia: 23%, South America: 7%, North America, Central America and the Caribbean: 18%, South-West Pacific: 11%, Europe: 31%. Of the experts nominated 68% were male and 32% female. 74% indicated they had not held a role as CLA, LA or RE previously.
- An iterative approach, in four stages, was developed and agreed with the WGII Bureau for the selection of CLA, LA and RE teams for chapters which also took into account the seven cross-chapter papers and cross WG linkages.
- For each nomination, the following information was added: 1. CLA, LA and RE roles in the Fifth Assessment Report (AR5) and the AR6 Special Reports, 2. participation at AR6 Scoping Meetings for Special Reports and Assessment Reports and 3. parallel nominations for WGI and/or WGIII.
- The complete list ('Full List') of nominations with statistics was circulated to WGII Bureau with access to CVs.
- In Stage 0 of the selection process, each WGII Bureau member provided their 15 priority selections for the whole WGII report and 10 selections for the regional chapter(s) relevant to each WGII Bureau member. These constituted a 'Priority List' for author selections. Additional information on H-index (2012–2017) from Web of Knowledge, and H-Index and number of citations (2012–2017) from Google Scholar, as indicators of scientific productivity and impact, were added to each nomination in the Priority List and added throughout the process for any nominations under consideration by the WGII Bureau for a selected role.
- In Stage 1 of the selection process, the WGII Co-Chairs met in Bremen, Germany for three days and mapped the WGII Bureau author selections to Chapters taking into account required balances and expertise for cross-chapter papers. Gaps in expertise were filled from the Full List. WGII Bureau selections that were not mapped in Stage 1 were moved to a priority 'Reserve List'. The author mapping with statistics on balances was returned to the WGII Bureau together with the Reserve List and Full List. Following a WebEx conference between the WGII Vice-Chairs and Co-Chairs, the WGII Bureau reviewed the chapter teams and provided feedback on proposed authors and teams including balances, gaps in expertise for chapters and gaps in expertise for cross chapter papers.

- In Stage 2 of the selection process, the WGII Co-Chairs adjusted the proposed chapter teams following Bureau feedback from Stage 1, including the addition of any new nominations to address gaps in expertise. Proposals for authors with WGI expertise in WGII regional chapters were also captured. Any nominations moved from author teams and any WGII Bureau selections from Stage 1 that were not mapped to author teams were moved to the Reserve List. The author mapping with statistics on balances was returned to the WGII Bureau together with the Reserve List and Full List. Following a WebEx conference between the WGII Vice-Chairs and Co-Chairs, the WGII Bureau reviewed the chapter teams and provided feedback on proposed authors and teams including balances, gaps in expertise for chapters, gaps in expertise for cross chapter papers and WGI expertise for WGII regional chapters.
- In Stage 3 of the selection process, the WGII Co-Chairs adjusted the proposed chapter teams taking into account WGII Bureau feedback and following the process described in Stage 2. Proposals of WGI authors in WGII regional chapters, and links to WGI chapters and atlas, were discussed among WGI and WGII Co-Chairs in a WebEx. Author mapping with statistics on balances was returned to the WGII Bureau together with the Reserve List and Full List.
- In Stage 4 of the selection process, the WGII Bureau met in Geneva for two days to finalize and agree the author selections.
- The selection agreed by the WGII Bureau was presented to the IPCC Bureau at its 55th Session (Geneva, Switzerland, 31 January 2018). The IPCC Bureau took note of the selection agreed by the WGII Bureau.

2. Summary of Size, Distribution, and Balance

The WGII AR6 consists of 18 chapters in comparison with the 30 chapters in WGII AR5, which resulted in the publication of two volumes. Adaptation was addressed in four dedicated chapters in WGII AR5, however for WGII AR6 adaptation will be addressed within each chapter, including all regional chapters (9-15), as an intrinsic part of the WGII Assessment. The application of a risk framework in WGII AR5 is extended to integrating risk- and solution-based frameworks in WGII AR6 with the seven sectoral chapters (2-8) assessing *risk, adaptation and sustainability for systems impacts by climate change*, the regional chapters including assessment of key and residual risks, and the key risks, decision-making for managing risk and climate resilient development pathways assessed in the final three chapters (16-18). Each regional chapter also includes one LA with WGI regional climate expertise to link to WGI and selected in collaboration with WGI Co-Chairs. The WGII AR6 is also designed to capture updates in knowledge from the three AR6 Special Reports, particularly through the seven cross-chapter papers. The authors and RE for these papers are drawn from the LA and RE for Chapters 1-18.

The WGII AR6 applied similar selection criteria as for AR5. The WGII Bureau ensured that the relevant expertise required for the assessment of knowledge in the WGII AR6 chapters and cross chapter papers is included in the chapter teams as far as possible. At the same time, careful consideration was also given to the representation of developing country/economies in transition while acknowledging the funding limits for these authors, to regional balances and to the gender balance of chapters. The WGII Bureau also ensured a balance among the inclusion of authors with IPCC experience within author teams with the inclusion of authors new to IPCC to capture fresh perspectives.

In selecting Review Editors (REs), emphasis has been placed on selecting experts who have considerable international stature in their fields and/ or who have previously acted in senior roles in previous IPCC assessments. This is intended to provide authoritative advice to the author teams as well to bring the benefits of prior experience with the assessment process, while at the same time facilitating an influx of new experts to actually write the chapters. It is anticipated that the already considerable workload involved for REs in considering all the authors' responses to the comments received is likely to increase in AR6. Key REs will also be assigned to contribute in a second role as REs on cross-chapter papers. As has been the previous practice and in recognition of the considerable experience and expertise that WG Vice-Chairs bring to the IPCC, the WGII Vice-Chairs form part of the RE selection.

Summary Overview of Numbers and Percentages of Coordinating Lead Author, Lead Author and Review Editor Nominations and Selection and Comparison to AR5

	AR6 Nominations		AR6 Selection		AR5 Selection	
Total	1037	100%	261	100%	307	100%
DC/EIT	498	48%	115	44%	127	41%
Female	332	37%	107	41%	84	27%
New	762	74%	139	53%	205	67%

3. Treatment of Linkages to Other Working Groups

It is very encouraging to see how many good experts have been nominated for roles in more than one WG contribution. Detailed options have been considered for managing the boundaries between the WGs. This presented a challenge in developing WG author teams in parallel, so extensive discussions were held among the Co-Chairs and TSUs of the WGs to ensure that these individuals are used to their best capacity.

The AR6 cycle differs from AR5 with the WG co-production of three Special Reports: Global Warming of 1.5°C (WGI, II, III), the Ocean and Cryosphere in a Changing Climate (WGI, II) and Climate Change and Land (WGI, II, III). The WGII AR6 includes experts who have served as CLA, LA and RE from each of these Special Reports to ensure an update of new knowledge since the production and also that the WGI and WGIII knowledge in these reports is transferred to WGII AR6. The links to WGIII were further strengthened through the inclusion of WGIII expertise in the author team for WGII AR6 Chapter 18, which is intended as a linking chapter to WGIII. Another consideration would be the addition of CLAs and LAs from one WG as a proposed CA on another; experiences from the production of the Special Reports have allowed the WGII Bureau to identify necessary expertise.

The links with WGI were further strengthened by the inclusion of LAs with WGI expertise in each of the WGII AR6 regional chapters. These LAs were selected in consultation with WGI and are intended to provide a link specifically to WGI Chapter 12 and the WGI Regional Atlas. It is envisaged that these WGI-WGII linking LAs will attend the WGI Expert Meeting on Assessing Climate Information for Regions along with relevant WGI AR6 LAs and additional invited experts. WGII will help ensure an update of this knowledge through a one-day meeting to be held immediately prior to the start of the WGII AR6 Second Lead Author Meeting. This meeting will include these WGI-WGII AR6 linking LAs and key WGI AR6 LAs.

4. Treatment of Cross Cutting Methodologies and Themes

A strategy for incorporating the CCMs and CCTs was presented to the 11th Session of Working Group II and the 46th Session of IPCC (see IPCC-XLVI/Doc. 6 and WG-II:11th /INF. 1). It was recognised that several themes would sit across WGs and require 'handshakes' among WGs. Themes were regional aspects; risk and uncertainty; adaptation-mitigation interactions; cities and climate change; geoengineering; the Global Stocktake; scenarios; and processes for integration during the AR6 cycle. The regional chapters in the WGII AR6 will ensure consistency in the treatment of concepts that are common to WGI, II and III, such as risk, vulnerability, adaptation, detection-attribution, extreme events, and mitigation. Each regional chapter will include specific climate observations and projections, vulnerabilities and impacts on ecosystems (terrestrial, freshwater, marine) and their uses and management, built environment, industry and infrastructure and human systems. Regional chapters will present knowledge of adaptation and mitigation activities (implemented and potential) and interactions among activities and development goals for that region. The regional climate scenarios provided by the WGI AR6 will be used for the regional assessments by the WGII AR6.