

ipcc

INTERGOVERNMENTAL PANEL ON climate change

FORTIETH SESSION OF THE IPCC
Copenhagen, Denmark, 27-31 October 2014

IPCC-XL/Doc. 19
(31.X.2014)
Agenda Item: 11.5
ENGLISH ONLY

OTHER PROGRESS REPORTS

Progress of Working Group III towards the IPCC Fifth Assessment Report

(Submitted by the Co-Chairs of Working Group III)

IPCC Secretariat

c/o WMO • 7bis, Avenue de la Paix • C.P. 2300 • 1211 Geneva 2 • Switzerland
telephone : +41 (0) 22 730 8208 / 54 / 84 • fax : +41 (0) 22 730 8025 / 13 • email : IPCC-Sec@wmo.int • www.ipcc.ch



OTHER PROGRESS REPORTS

Progress of Working Group III towards the IPCC Fifth Assessment Report

Overview

IPCC-XXXIX/Doc.13 presented to and agreed to by the 39th Session of the IPCC (IPCC-39) described progress in Working Group III's (WGIII) contribution to the Fifth Assessment Report (AR5). This document provides an update since IPCC-39, and highlights major achievements and planned activities through the end of September 2014. Specifically, the status of WGIII AR5 report en route to publication, errata, conflict of interest policy-implementation, synthesis report contribution, and outreach activities are discussed. Finally, the remaining milestones are mapped out.

1. Summary

Recent key activities have been:

- Approval of the WGIII AR5 Summary for Policymakers, acceptance of the entire underlying scientific assessment.¹
- Extensive outreach to increase knowledge of WGIII key findings in target audiences.
- Finalization of IPCC Conflict of Interest policy implementation.
- Going live with WGIII AR5 report Website www.mitigation2014.org
- Publication of the final draft and the approved Summary for Policymakers online.
- Participation in the Synthesis Report (SYR) Core Writing Team Meetings CWT-3bis and CWT-4.

2. WGIII AR5 Writing Process

2.1 Preparation for Publication

Following IPCC-39/WGIII-12, the approved Final Draft of the WGIII contribution to AR5 was published online at www.mitigation2014.org on April 15, 2014². The SPM alone has been downloaded 34,700 times (5.1.1 for more detail). WGIII has also made available the First and Second Order Drafts as well as the errata, as required by IPCC regulation. Responding to requests, the Technical Support Unit (TSU) has also published high definition versions of figures used in the final draft (<http://mitigation2014.org/report/figures>).

The Final Draft, which has been accepted at IPCC-39, counts 2092 pages, 713 of which are dedicated to listing the references underlying the comprehensive assessment of WGIII. The report is currently being prepared for publication and a professional desktop-publisher is typesetting the book in close cooperation with WGIII TSU. The TSU is also coordinating with the publisher, Cambridge University Press, as well as preparing the distribution of the report to decision makers. Publication is expected in November 2014.

¹ The following delegations expressed their reservations to the WGIII report regarding the income-based country groupings: Bahamas, Bolivia, Egypt, India, Iraq, Jordan, Malaysia, Maldives, Qatar, Saudi Arabia, Sudan, Syria, Venezuela.

See also: <http://ipcc.ch/apps/eventmanager/documents/19/040920140338-Doc.%203%20-%20Draft%20Report%2039th%20Session%20of%20IPCC.pdf>

² See footnote 1 for countries that raised reservations.

2.2 Contribution to Synthesis Report

WGIII is actively involved in the development of the AR5 Synthesis Report. The SYR core writing team includes ten authors, the three WGIII Co-Chairs and two member of the WGIII TSU. The extended writing team includes another nine members of WGIII. One WGIII author and one WGIII Bureau member are serving as Review Editors. WGIII representatives took part in the SYR CWT-3-bis meeting, (which followed the IPCC-39 in Berlin) as well as the CWT-4 in Malaysia, 30 June - 3 July, Putrajaya, Malaysia.

Together with representatives from WGI and WGII, WGIII representatives are currently preparing the final draft of the SYR, which will be released to governments 25 August 2014. WGIII members of the core writing team will also attend the CWT-5 meeting and the SYR Plenary approval session in October in Copenhagen, Denmark.

3. Status Conflict of Interest

The WGIII Technical Support Unit (TSU) has completed the last renewal round of the IPCC formal Conflict of Interest (COI) policy during AR5 cycle. Six people reported activities and/or roles that might have constituted basis for the COI but following a thorough analysis of their cases by WGIII Bureau it was determined that no COI existed in any of the cases. The COI report of the IPCC WG III was submitted to the IPCC Secretariat at the end of February 2014 and on 6 May 2014 IPCC Secretariat confirmed completion of WG III COI policy process.

4. Summary for Policymakers Errata

In the Summary for Policymakers (SPM) of the Working Group III (WGIII) Contribution to the IPCC Fifth Assessment Report, Climate Change 2014: Mitigation of Climate Change, an initial set of errors was identified by the authors of the report after approval and acceptance at the 12th Session of Working Group III and the 39th Session of the IPCC in Berlin, April 2014. Designated IPCC Focal Points and Ministries of Foreign Affairs (MFAs) were informed about this set of errors on 2 May 2014. Consistent with the Error Protocol, the erratum was dealt with through the rapid response process and approved by the IPCC Executive Committee on 12 May 2014. The corrected SPM was subsequently distributed at the UNFCCC Subsidiary Body for Scientific and Technological Advice (SBSTA) meeting of 4 -15 June 2014, and other important events.

For the Working Group III contribution to the IPCC Fifth Assessment Report other potential errors procedures were launched in line with Section 2 of the Error Protocol subsequently. The WGIII Co-Chairs as well as the Coordinating Leading Authors (CLAs) of the relevant chapters of the underlying report evaluated the errors. Then the WGIII Co-Chairs and relevant CLAs constructed errata statements for the Summary for Policymakers and submitted them to the WGIII Bureau for approval. Following WGIII Bureau approval, the Secretariat wrote on September 15, 2014 to the National Focal Points seeking agreement for the Panel to delegate the approval of the proposed errata to the Executive Committee. No objection was raised by the established deadline of September 22, 2014 and the Rapid Response procedure was launched. On September 23 an objection was received from one country and the Executive Committee stopped the Rapid Response procedure and decided to defer the decision on the errata to the next 40th session of the Panel.

5. Outreach

For communication and outreach on WGIII AR5, the WGIII Co-Chairs and TSU have implemented the IPCC Communication Strategy and have carried out activities as planned in consultation with the WGIII Bureau and the IPCC Secretary and Senior Communication Manager. This includes the development of communications materials, a dedicated website and setting up outreach events.

5.1 Communications materials

5.1.1 Report website

The WGIII SPM, TS, chapters and annexes were published on the IPCC and WGIII AR5 websites on April 13th. In coordination with Working Groups I and II, WGIII has developed a microsite dedicated to WGIII AR5. www.mitigation2014.org that was launched online in March 2014. Before approval of the AR5 SPM, the Website featured video interviews with IPCC and WGIII representatives, background materials, and announced the release.

Following the approval of WGIII AR5, the Website has been updated to feature audio and visual files for journalists and further press materials. The Website has been developed in close coordination with the other IPCC Working Groups to ensure full consistency and a common layout.

During the first four months of operation, the AR5 microsite has been visited by more than 61,500 people from 210 countries, totaling to more than 540,000 page views. After the initial peak in the visitors and report downloads, the website usage has now stabilized to around 1,600 weekly users serving more than 14,500 page views each week.

The report file downloads are estimations due to the chosen web architecture. During the first four months, the total download estimation is more than 119,000. Summary for Policymakers has the largest share of 34,700 downloads, followed by the Technical Summary (9,200). The total number of final draft chapter downloads is estimated to be around 70,000 – of which the three most downloaded chapters are: Chapter 1 (5,840), Chapter 11 (5,820) and Chapter 7 (5,700).

The AR5 microsite is continuously updated and remains the main communication channel of the report and outreach events. Working Group III is also collaborating with the IPCC secretariat to publish new functionalities in the near future, namely a user friendly search tool to comments and consideration of comments of governments and expert reviewers.

5.1.2 Video documentary

Work on the WGIII video documentary was completed in time for it to be launched at an IPCC WGIII special event during the SBSTA meeting in Bonn. Guidance and input has been provided to Snöball, the Norwegian film producers hired by IPCC Secretariat. Extensive filming and author interviews took place during the WGIII preparatory meeting. This third part of the IPCC AR5 video documentary has been viewed more than 20,000 times to date. Youtube views alone stand at roughly 15,000 views.

5.1.3 Print products

For the purposes of outreach at COP-19, a special brochure containing the WGIII AR5 Summary for Policymakers was produced.

As was done for previous reports, a Summary Volume containing the Summary for Policymakers, Technical Summary, Frequently Asked Questions and Glossary of the WGIII AR5 is being produced. It will be translated into the UN languages and printed copies will be available from the IPCC Secretariat.

5.2 Post-plenary press conferences & WGIII AR5 launch events

5.2.1 Press conferences

At the IPCC press conference on 13 April 2014, Working Group III Co-Chairs Ottmar Edenhofer, Ramón Pichs-Madruga and Youba Sokona presented the Summary for Policymakers in Berlin. Panellists included IPCC Chair Rajendra K. Pachauri and the Deputy Secretary of the IPCC, Gaetano Leone. Authors that have contributed to the report were present. The IPCC Senior Communication Manger Jonathan Lynn moderated the press conference.

The Summary for Policymakers, press release and other materials were posted online at the start of the press conference. The press conference was webcast via the IPCC main site.

Following the IPCC press conference, Ottmar Edenhofer was panelist for a press conference organized by the German government with State Secretary Jochen Flasbarth of the German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety.

5.2.2 Interviews

Following launch WGIII Co-Chairs, Bureau members, and present authors did interviews with media present in Berlin, by phone, and satellite transmissions to broadcasters worldwide. Authors in their home countries also did interviews.

Focusing on international news agencies, WGIII Co-Chairs did a number of interviews under embargo, which were released following the publication of the report and press release.

5.2.3 Public Launch of WGIII contribution to AR5 at the Technical University Berlin

The public launch of the WGIII Contribution to AR5 took place at the Technical University Berlin. The event was attended by 1200 guests and 100 media representatives. Co-Chair Ottmar Edenhofer presented the WGIII contribution to AR5. The German Federal Minister for Economic Affairs and Energy Sigmar Gabriel, IPCC Chair Rajendra Pachauri and WGII Co-Chair Chris Field spoke at the occasion. Video of the documentation is available on demand at the website of the TU Berlin.

5.3 WGIII outreach events

WGIII Co-Chairs and authors presented the WGIII contribution to the AR5 at a number of dedicated national and regional launch events and diverse conferences, workshops and meetings.

5.3.1 Launch Events

Apr 14, 2014, Berlin, Germany: **Science & Policy - Exploring Climate Solutions**

Technische Universität Berlin

WGIII Presenters:

Prof. Dr. Ottmar Edenhofer, Co-Chair of Working Group III of the IPCC

Dr. Youba Sokona, Co-Chair of Working Group III of the IPCC

Dr. Ramón Pichs-Madruga, Co-Chair of Working Group III of the IPCC

Apr 14, 2014, Prague, Czech Republic: **Launch of WGIII AR5**
Czech Climate Coalition
WGIII Presenter:
Jim Skea, Vice-Chair IPCC Working Group III

Apr 16, 2014, London, UK: **Presentation of the IPCC Working Groups II & III contributions to the Fifth Assessment Report**
Headquarters of the Institution of Civil Engineers
WGIII Presenters:
Ottmar Edenhofer, Co-Chair IPCC Working Group III
Jim Skea, Vice-Chair IPCC Working Group III

Apr 16, 2014, Zurich, Switzerland: **Auswirkungen des Klimawandels und Klimapolitik: Ergebnisse des 5. IPCC Berichts**
Universität Zürich
WGIII Presenter:
Axel Michaelowa, Lead Author Chapter 13 "International Cooperation"

Apr 28, 2014, Vienna, Austria: **Bericht des Weltklimarats IPCC 2014 - Launch Event of the Austrian Government**
TU Wien
WGIII Presenters:
Jan Minx, IPCC, Head of Technical Support Unit of Working Group III, Author Summary for Policymakers, Coordinating Lead Author Technical Summary
Keywan Riahi, IIASA, Program Director Energy, Author Summary for Policymakers, Lead Author Technical Summary and Chapter 7 "Energy Systems"
Volker Krey, IIASA, Deputy Program Director Energy, Author Summary for Policymakers, Lead Author Technical Summary and Chapter 6 "Assessing Transformation Pathways"
Helmut Haberl, Leiter Institut für soziale Ökologie, Uni Klagenfurt, Lead Author Chapter 11 "Agriculture, Forestry and other Land Use"

May 06, 2014, Brussels, Belgium: **Climate Change Adaptation & Mitigation: key messages from IPCC's 5th Assessment Report and Implications for Policy and Decision Making**
European Commission, Charlemagne Building
WGIII Presenter:
Ottmar Edenhofer, Co-Chair IPCC Working Group III

May 21, 2014, Oslo, Norway: **Vulnerability, risk and solutions: On the inside of IPCC reports**
Ingeniørenes Hus
WGIII Presenter:
Thomas Bruckner, Coordinating Lead Author, WGIII Chapter "Energy Systems"

5.3.2 Conferences, workshops, meetings

Apr 27, 2014, Vienna, Austria: **European Geosciences Union General Assembly 2014**
Vienna Congress Center
Youba Sokona - Working Group III, Co-Chair

Apr 28, 2014, London, UK: **The Climate Group's 10th anniversary event - Low Carbon Growth and Opportunity: Paris and Beyond**
Kings Place
WGIII Presenter:
Ottmar Edenhofer, IPCC Working Group III Co-Chair

May 05, 2014, Geneva, Switzerland: **Joint GCOS/GOFC-GOLD Workshop on Observations for Climate Change Mitigation**

WMO Headquarters, Geneva, Switzerland

WGIII Presenter:

Cheikh Mbow - Working Group III, Lead Author Chapter 11 "Agriculture, Forestry and other Land Use"

May 6, 2014, Havana, Cuba: **Conference on "The Science of Climate Change: IPCC Perspective"**

National Group of Collaborators, Centre for World Economy Studies (CIEM).

WGIII Presenter:

Ramón Pichs-Madruga. Co-Chair IPCC Working Group III

May 15, 2014, Exeter, UK: **Transformational Climate Science 2014**

University of Exeter

WGIII Presenter:

Ottmar Edenhofer, IPCC Working Group III Co-Chair

May 27, 2014, Bonn, Germany: **The latest assessment report of the Intergovernmental Panel on Climate Change (IPCC): Summarizing health implications for environment and health professionals**

WHO, UN Premises

WGIII Presenter:

Jan Minx - Head of TSU Working Group III

Jun 02, 2014, Washington D.C., USA: **How Climate Change Affects our Mission: The New IPCC Report**

The World Bank, Washington D.C.

WGIII Presenter:

Ottmar Edenhofer - Co-Chair Working Group III

June 5, 2014, Havana, Cuba: **Conference on "The Science of Climate Change: IPCC Perspective"**

National Academy of Sciences - Section of Natural Sciences.

WGIII Presenter:

Ramón Pichs-Madruga. Co-Chair IPCC Working Group III

June 5, 2014, Havana, Cuba: **Conference on "The Science of Climate Change: IPCC Perspective"**

Higher Institute of Technology & Applied Sciences (INSTEC)

WGIII Presenter:

Ramón Pichs-Madruga. Co-Chair IPCC Working Group III

Jun 06, 2014, Bonn, Germany: **UNFCCC SBSTA40 - IPCC Special Event on WGIII contribution to AR5**

Maritim Hotel, Bonn/Germany

WGIII Presenter:

Ottmar Edenhofer - Co-Chair, Working Group III

Jun 07, 2014, Bonn, Germany: **SBSTA40 - IPCC Special Event: Common metrics to calculate the carbon dioxide equivalence of greenhouse gasses**

Maritim Hotel, Bonn/Germany

WGIII Presenter:
Michael Hanemann - Working Group III Lead Author Chapter 3 "Social, Economic and Ethical Concepts"

Jun 08, 2014, Bonn, Germany: **UNFCCC SBSTA40 - The third meeting of the structured expert dialogue on the 2013-2015 review (SED3)**

Maritim Hotel, Bonn/Germany

WGIII Presenters:

Ottmar Edenhofer - Co-Chair Working Group III

Volker Krey, Working Group III Lead Author Chapter 6 "Assessing Transformation Pathways"

Joyashree Roy, Working Group III Coordinating Lead Author Chapter 10 "Industry"

Axel Michaelowa, Working Group III Lead Author Chapter 13 "International Cooperation"

Gabriel Blanco, Working Group III Coordinating Lead Author Chapter 5 "Drivers, Trends and Mitigation"

Sivan Kartha, Working Group III Coordinating Lead Author Chapter 4 "Sustainable Development and Equity"

Luis Gomez, Working Group III Lead Author Chapter 16 "Investment and Finance"

Jun 13, 2014, Kiel, Germany: **IfW Centenary Conference "Fair and Sustainable Prosperity in the Global Economy"**

WGIII Presenter:

Ottmar Edenhofer - Co-Chair, IPCC Working Group III

Jun 17, 2014, Rabat, Morocco: **Summer School on Multilateral Environmental Agreements and green jobs**

Francophonie Institute for Sustainable Development

WGIII Presenter:

Youba Sokona - Working Group III, Co-Chair

Jun 19, 2014, Geneva, Switzerland: **Presentation of the IPCC WGII & III Contributions to the Fifth Assessment Report**

Geneva Environment Network (GEN)

WGIII Presenter:

Elmar Kriegler - Working Group III Lead Author Chapter 6 "Assessing Transformation Pathways"

Jun 19, 2014, Geneva, Switzerland: **IPCC side event to the WMO Executive Council sixty-sixth session: Highlights of the IPCC AR5 Working Groups' reports**

WMO

WGIII Presenter:

Elmar Kriegler - Working Group III Lead Author Chapter 6 "Assessing Transformation Pathways"

Jun 29, 2014, Istanbul, Turkey: **World Congress of Environmental and Resource Economists WCERE 2014**

WGIII Presenter:

Ottmar Edenhofer - Co-Chair, Working Group III

Jul 04, 2014, Putrajaya, Malaysia: **Workshop on IPCC Fifth Assessment Report (IPCC-AR5)**

Putrajaya Shangri-La Hotel

WGIII Presenters:

Youba Sokona - Working Group III, Co-Chair

Nijavalli H. Ravindranath - Working Group III, Lead Author Chapter 11 "Agriculture, Forestry and other Land Use"

Jul 11, 2014, Jakarta, Indonesia: **IPCC AR5 Event: Key insights from the Working Group II and Working Group III contributions to the IPCC Fifth Assessment Report Indonesian Agency for Meteorology, Climatology and Geophysics (BMKG)**

WGIII Presenters:

Jim Skea - Working Group III, Vice-Chair

Nijavalli H. Ravindranath - Lead Author Chapter 11 "Agriculture, Forestry and other Land Use"

Jul 31, 2014, Nairobi, Kenya: **Outreach event for the IPCC's Fifth Assessment Report "The IPCC'S Fifth Assessment Report - What does it mean for Kenya's development?"**

WGIII Presenter:

Cheikh Mbow - Lead Author Chapter 11 "Agriculture, Forestry and other Land Use"

Aug 06, 2014, Delhi, India: **IPCC AR5: What it means for a stronger, more inclusive India**
India Habitat Centre

WGIII Presenters:

Shobhakar Dhakar, Coordinating Lead Author Chapter 12 "Human settlements, infrastructure and spatial planning"

Navroz Dubash, Lead Author Chapter 15 "National and subnational policies and institutions"

Joyashree Roy, Coordinating Lead Author Chapter 10 "Industry"

Aug 07, 2014, Dhaka, Bangladesh: **Outreach on IPCC's Fifth Assessment Report**

WGIII Presenters

Mizan Khan, Lead Author Chapter 3 "Social, Economic and Ethical Concepts"

Dipal Chandra Barua, Lead Author Chapter 16 "Investment and Finance"

Aug 11, 2014, Bogota, Colombia, **Second high level dialogue on sustainable cities, transport and tourism - Rio +20**

WGIII Presenter:

Youba Sokona, WGIII Co-Chair

Aug 10, 2014, Islamabad, Pakistan: **Socioeconomic aspects of climate change: Mitigation state of research, gaps and collaborations**

WGIII Presenter:

Joyashree Roy - Coordinating Lead Author Chapter 10 "Industry"

Aug 18, 2014, Bonn, Germany: **UNFCCC - Ninth meeting of the Technology Executive Committee**

United Nations Campus

WGIII Presenter:

Ottmar Edenhofer - Co-Chair, Working Group III

Aug 18, 2014, Addis Ababa, Ethiopia: **The IPCC Fifth Assessment Report: what does it mean for Ethiopia's development?**

United Nations Conference Centre

WGIII Presenters:

Youba Sokona, WGIII Co-Chair

Shuaib Lwasa, Lead Author Chapter 12 "Human settlements, infrastructure and spatial planning"

Aug 21, 2014, Kampala, Uganda: **The Intergovernmental Panel on Climate Change: Fifth Assessment Report - What does it mean for Uganda's development?**

WGIII Presenters:

Youba Sokona, WGIII Co-Chair

Joyashree Roy, Coordinating Lead Author Chapter 10 "Industry"

Shuaib Lwasa, Lead Author Chapter 12 "Human Settlements, Infrastructure and Spatial Planning"

Aug 25, 2014, Copenhagen, Denmark: **The Third Nordic International Conference on Climate Change Adaptation**

Adapting to Change: From Research to Decision-making

WGIII Presenter:

Neil Strachan, Lead Author Chapter 7 'Energy Systems'

Sep 02, 2014, Hamburg, Germany: **Klimawandel und Klimaschutz: zwischen globaler Transformation und nationalen Herausforderungen**

Irrwege und Auswege der Klimakrise - Podiumsdiskussion mit Bundesumweltministerin Hendricks in den Hamburger Mozartsälen

WGIII Presenter:

Ottmar Edenhofer, WGIII Co-Chair

Sep 04, 2014, Bern, Switzerland: **The Swiss Energy and Climate Summit**

WGIII Presenter:

Youba Sokona, WGIII Co-Chair

Sep 08, 2014, Tokyo, Japan: **AR5 WGIII Outreach Symposium**

New findings on "Mitigation of Climate Change" in the IPCC AR5 WGIII report and efforts in Japan

WGIII Presenter:

Ottmar Edenhofer, WGIII Co-Chair

Sep 9, 2014, Edinburgh, UK: **14th European Lead Battery Conference**

The 14th European Lead Battery Conference (14ELBC), organised by the International Lead Association (ILA)

WGIII Presenter:

Julian Allwood, Lead Author Chapter 10 'Industry'

5.3.3 Online/televised events

Apr 16, 2014, **World Business Council for Sustainable Development Meeting Video Conference**

WGIII Presenter:

Ottmar Edenhofer, Co-Chair IPCC Working Group III

April 22, 2014: Havana, Cuba: **"The Science of Climate Change: IPCC Perspective" TV Conference – Educational Channel**

WGIII Presenter:

Ramón Pichs-Madruga. Co-Chair IPCC Working Group III