

Sixth Assessment Report Cycle;
Special Reports with Focus on *Climate Change and Land*;
Ways to be Involved in IPCC process

Abdalah Mokssit, IPCC Secretary and Youba Sokona, IPCC Vice-Chair

The Sixth Assessment Cycle

Sixth Assessment Cycle (AR6)



AR6 Main Report

2021: Working Group I, II, and III contribution to the Sixth Assessment Report

April 2022: Synthesis Report of the Sixth Assessment Report

ar6

Methodology Report update

May 2019: 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories

Special Reports

1. **October 2018** - Special Report on Global Warming of 1.5 °C (**SR15**)
2. **August 2019** - Climate Change and Land (**SRCL**)
3. **September 2019** - Special Report on the Ocean and Cryosphere in a Changing Climate (**SROCC**)

** Dates are subject to change*

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3 Special Reports

Sixth assessment cycle



Special Reports



Global Warming of 1.5 °C, an IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty

October 2018

UNFCCC COP24 - Talanoa (facilitative) dialogue

Methodology Report update



2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories

May 2019

** Dates are subject to change*

Sixth assessment cycle



Special Reports



Special Report on Climate Change and Land: an IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems

August 2019



Special Report on the Ocean and Cryosphere in a Changing Climate

September 2019

2019 UN Secretary- General Climate Summit

** Dates are subject to change*

Sixth assessment cycle (cont)



AR6 Main Report



Working Group I, II, and III contribution to the Sixth Assessment Report in **2021**

Synthesis Report to the Sixth Assessment Report **April 2022**

UNFCCC global stocktake 2023

Cities



Attention on **cities** in AR6 including a conference and special report on cities in AR7

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IPCC Sixth Assessment (AR6)

May 2019

Emission inventories



Some overarching preliminary aspects for the Synthesis Report

- *Global Stocktake*
- *Interaction among emissions, climate, risks and development pathways*
- *Economic and social costs and benefits of mitigation and adaptation in the context of development pathways*
- *Adaptation and mitigation actions in the context of sustainable development*
- *Finance and means of support*

Oct. 2018

Sept. 2019

April 2021

October 2021

April 2022

Global warming of 1.5 °C

Oceans and cryosphere

The Physical Science Basis

Climate Change Impacts, Adaptation and Vulnerability

The Synthesis Report

Talanoa dialogue UNFCCC

Land

Aug. 2019

Mitigation of Climate Change

July 2021

Global stocktake 2023 UNFCCC

March 2018



Cities and Climate Change Science Conference

May 2018



Expert Meeting on Assessing Climate Information for Regions

May 2018



Expert Meeting on Short Lived Climate Forcers

** Dates are subject to change*

Outlines

Sixth Assessment Cycle

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Working Group I Outline



Chapter 1: Framing, context, methods

Chapter 2: Changing state of the climate system

Chapter 3: Human influence on the climate system

Chapter 4: Future global climate: scenario-based projections and near-term information

Chapter 5: Global carbon and other biogeochemical cycles and feedbacks

Chapter 6: Short-lived climate forcers

Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity

Chapter 8: Water cycle changes

Chapter 9: Ocean, cryosphere, and sea level change

Chapter 10: Linking global to regional climate change

Chapter 11: Weather and climate extreme events in a changing climate

Chapter 12: Climate change information for regional impact and for risk assessment

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Chapter 1: Point of departure and key concepts

SECTION 1: Risks, adaptation and sustainability for systems impacted by climate change

Chapter 2: Terrestrial and freshwater ecosystems and their services

Chapter 3: Ocean and coastal ecosystems and their services

Chapter 4: Water

Chapter 5: Food, fibre, and other ecosystem products

Chapter 6: Cities, settlements and key infrastructure

Chapter 7: Health, wellbeing and the changing structure of communities

Chapter 8: Poverty, livelihoods and sustainable development

SECTION 2: Regions

Chapter 9: Africa

Chapter 10: Asia

Chapter 11: Australasia

Chapter 12: Central and South America

Chapter 13: Europe

Chapter 14: North America

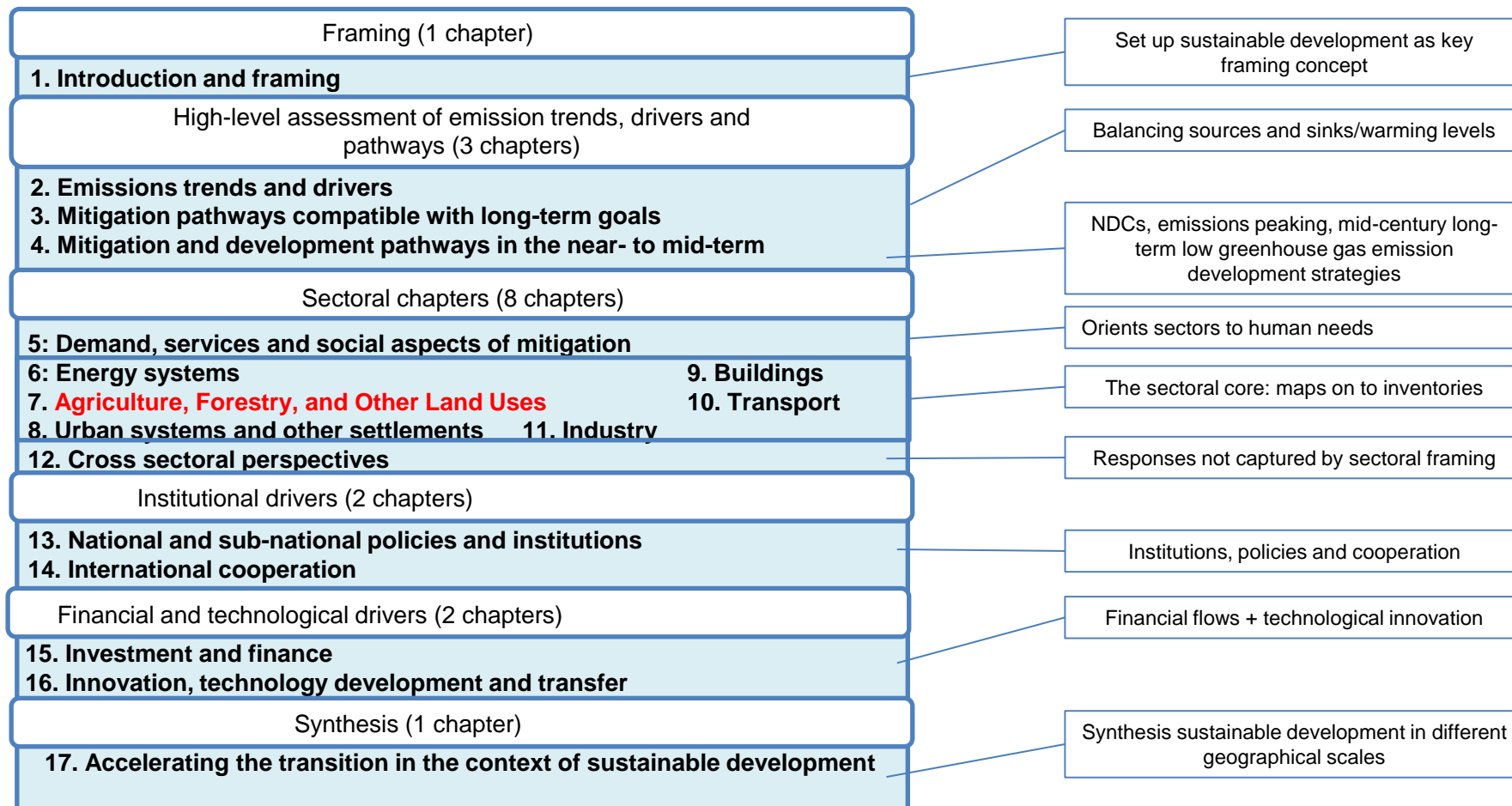
Chapter 15: Small Islands

SECTION 3: Sustainable development pathways: integrating adaptation and mitigation

Chapter 16: Key risks across sectors and regions

Chapter 17: Decision-making options for managing risk

Chapter 18: Climate resilient development pathways





Special Report on Global Warming of 1.5 °C (SR15) Outline



Chapter 1: Framing and Context

Chapter 2: Mitigation pathways compatible with 1.5°C in the context of sustainable development

Chapter 3: Impacts of 1.5°C global warming on natural and human systems

Chapter 4: Strengthening and implementing the global response to the threat of climate change

Chapter 5: Sustainable development, poverty eradication, and reducing inequalities

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2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories Outline



Overview Chapter

Volume 1: General Guidance and Reporting

Volume 2: Energy

Volume 3: Industrial Processes and Product Use

Volume 4: Agriculture, Forestry and Other Land Use

Volume 5: Waste

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Special Report on the Ocean and Cryosphere (SROCC) Outline



Chapter 1: Framing and Context of the Report

Chapter 2: High Mountain Areas

Chapter 3: Polar Regions

Chapter 4: Sea Level Rise and Implications for Low Lying Islands, Coasts and Communities

Chapter 5: Changing Ocean, Marine Ecosystems, and Dependent Communities

Chapter 6: Extremes, Abrupt Changes and Managing Risks

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Sudan in the AR6



Hana Hamadall
IPCC Focal Point
Ministry of Environment, Natural
Resources and Physical
Development



Nagmeldin ELHASSAN
Vice-Chair
Working Group III
Sixth Assessment Report
IPCC



Working Group I



Sawsan MUSTAFA
LA Chapter 1: Framing, context, methods



Sumaya ZAKIELDEEN
LA Chapter 9: Africa



Working Group III



Ismail EL GIZOULI

Former Acting Chair of the IPCC
RE Chapter 1: Introduction and Framing



Nagmeldin ELHASSAN
Vice-Chair IPCC AR6 WGIII
RE Chapter 16: Innovation, technology
development and transfer



Abdalla Gaafar SIDDIG
LA Chapter 7: Agriculture, Forestry, and
Other Land Uses (AFOLU)



Mustafa BABIKER
CLA Chapter 12: Cross sectoral
perspectives



Special Report on Global Warming of 1.5 °C (SR15) Outline



Ismail EL GIZOULI
Former Acting Chair of the IPCC
RE Chapter 1: Framing and
Context



Mustafa BABIKER
LA Chapter 4: Strengthening and
implementing the global
response to the threat of climate
change

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Special Report on Climate Change and Land (SRCCL)

Special Report on Climate Change and Land (SRCCL) Outline



Chapter 1: Framing and Context

Chapter 2: Land–Climate interactions

Chapter 3: Desertification

Chapter 4: Land Degradation

Chapter 5: Food Security

Chapter 6: Interlinkages between desertification, land degradation, food security and GHG fluxes: synergies, trade-offs and integrated response options

Chapter 7: Risk management and decision making in relation to sustainable development

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Chapter 3: Desertification

- The specific nature of desertification
- Status, current trends and future projections of desertification linked to climate change, globally and regionally
- Climatic and anthropogenic direct and indirect drivers of desertification including extremes such as drought
- Attribution: distinguishing between climatic- and human-induced changes
- Desertification feedbacks to climate, including sand and dust storm
- Climate-desertification interactions, including past observations and future projections
- Observed and projected impacts of desertification on natural and human systems in a changing climate. This could include the role of aerosols and dust, impacts on ecosystem services and impacts on socio-ecological systems
- Technological, socio-economic and policy responses to desertification under a changing climate including economic diversification, enabling conditions, co-benefits as well as limits to adaptation
- Hotspots and case-studies

Chapter 4: Land degradation

- Processes that lead to degradation and their biophysical, socio-economic, and cultural drivers across multiple temporal and spatial scales
- Linkages and feedbacks between land degradation and climate change, including extremes (e.g. floods and droughts), erosion, and their effects on ecosystems and livelihoods
- Status, current trends and future projections of land degradation linked to climate change, globally and regionally
- Attribution: distinguishing between climatic- and human-induced changes
- Direct and indirect impacts of Climate Change on Land Degradation, Land Degradation on Climate Change, and reactive and proactive response options, such as land restoration, for key socio-ecological systems
- Observed and projected impacts of land degradation on natural and human systems in a changing climate. This could include impacts on ecosystem services and impacts on socio-ecological systems
- Integrated higher-level responses, e.g. sustainable land management (where possible related to the SDGs), including considerations of cost, incentives and barriers and limits to adaptation
- Hotspots and case-studies

Selecting authors for the Special Report

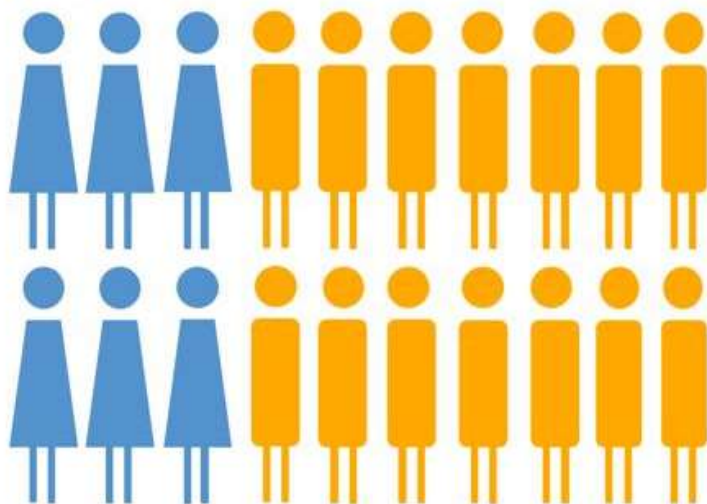
Nominations were sought for Authors and Review Editors for each Chapter.

640 nominations were received.

IPCC Working Group Bureaux and the Co-Chairs of the Task Force on National Greenhouse Gas Inventories carried out the selection, taking into account:

- Expertise
- Geographic representation
- Gender balance
- Prior IPCC experience.

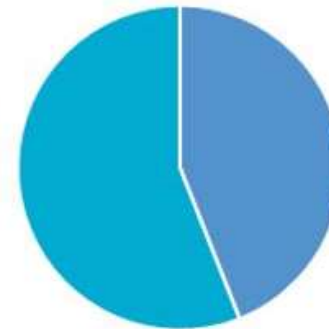
Selecting authors for the Special Report



32% are
women

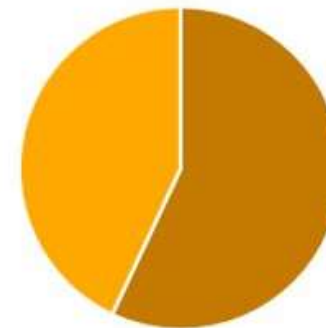
68% are
men

56% are from
developing
countries



44% are from
developed
countries

43% are new
to the IPCC
process



57% have IPCC
experience



Special Report on Climate Change and Land



Balgis OSMAN-ELASHA
LA Chapter 1: Framing and
Context



Sumaya ZAKIELDEEN
LA Chapter 7: Risk management
and decision making in relation to
sustainable development

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Getting involved



Why your contribution matters?



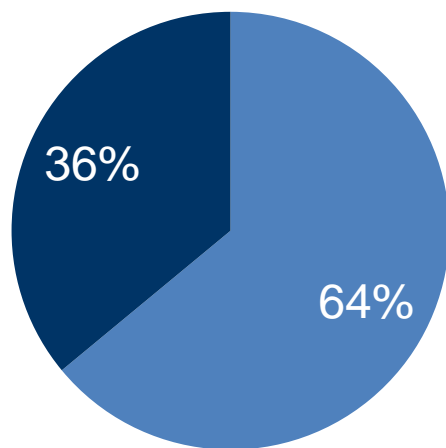
AR5 in Statistics:

Total number of Coordinating Lead Authors, Authors and Reviewers: **+ 830**

Total number of countries represented on writing teams: up to **85**

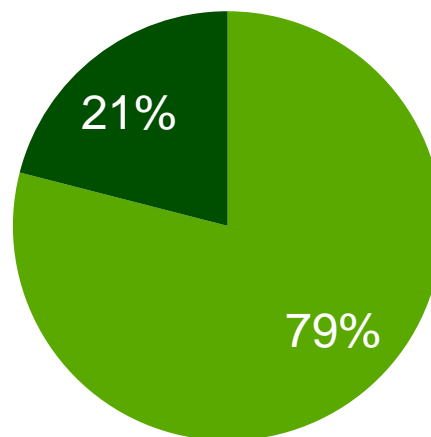
■ Developed Countries

■ Developing Countries & Economies in Transition



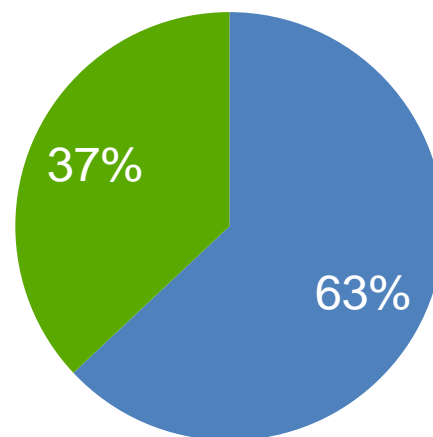
■ Male writing team members

■ Female writing team members



■ New to the IPCC process

■ Previously involved

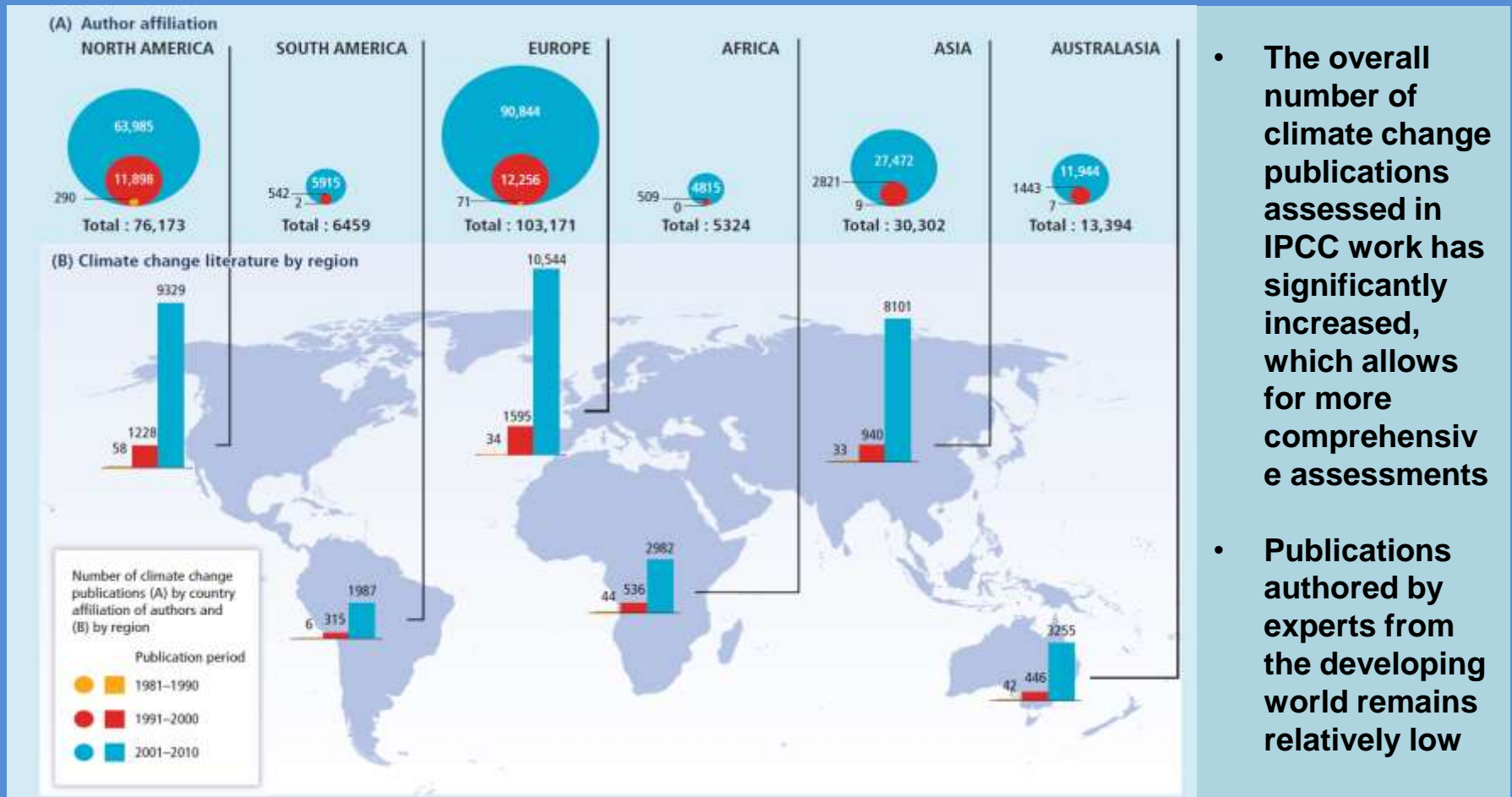


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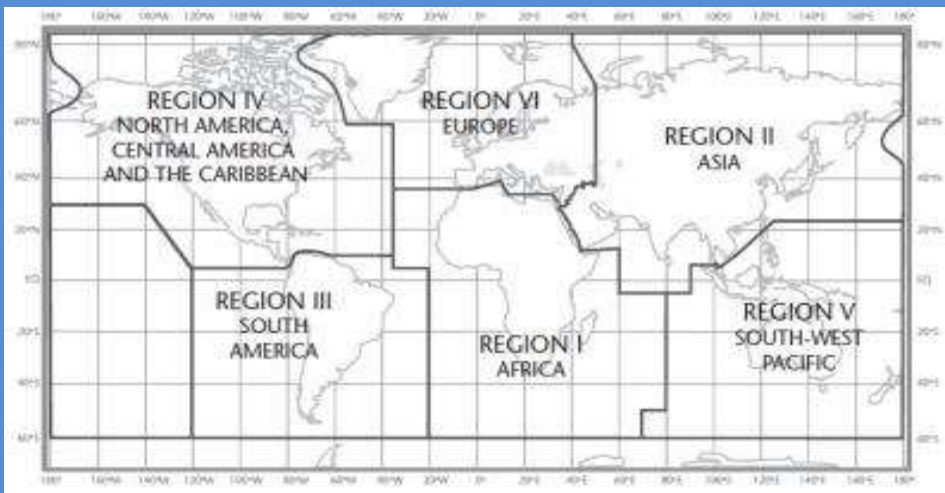
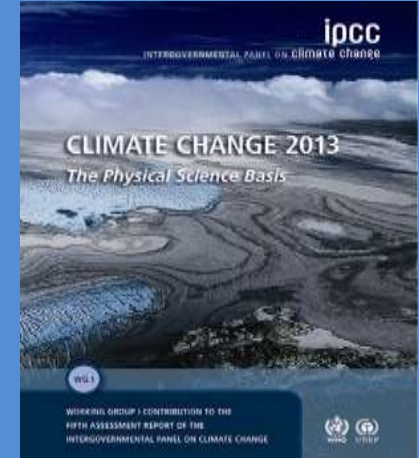
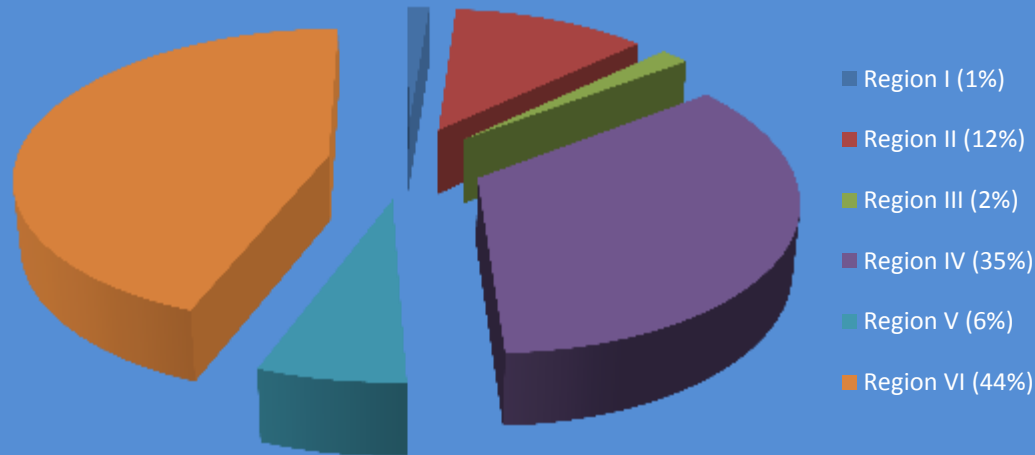
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Experts from different Regions Contributions to IPCC Works

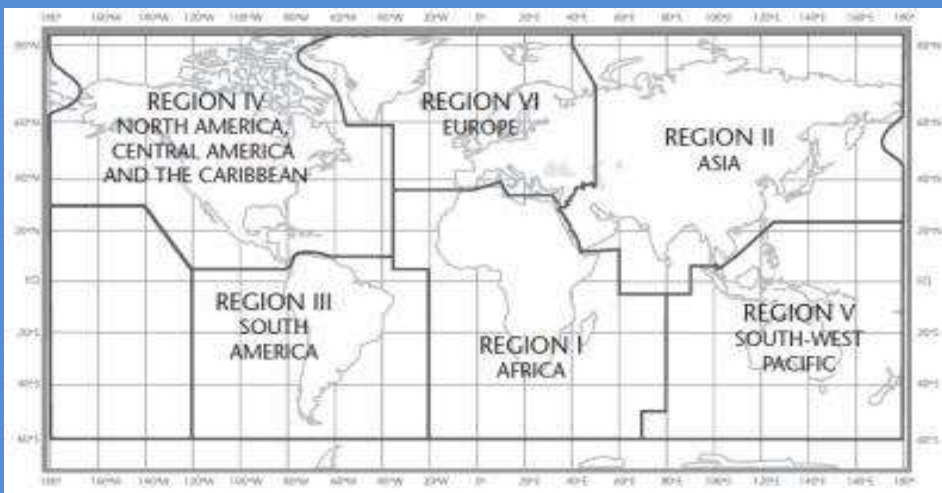
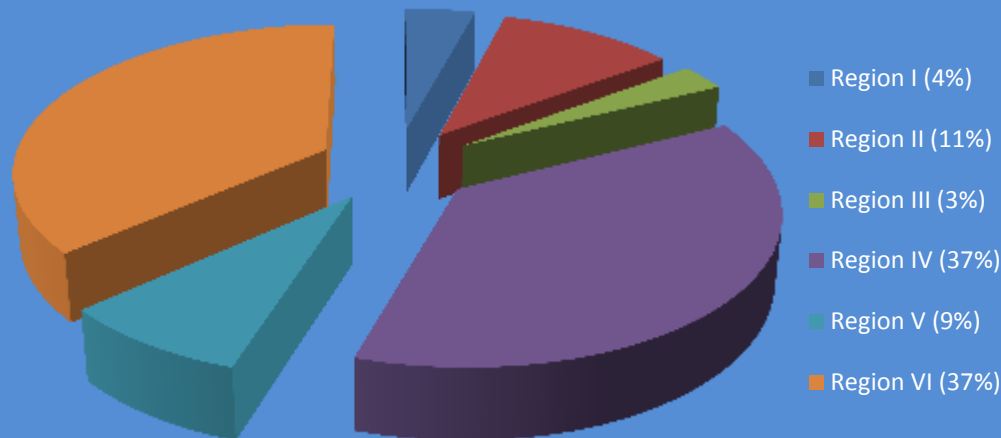


Authors, Review Editors and Expert Reviewers Contributions by Regions to WGI AR5 (Physical science basis of climate change)



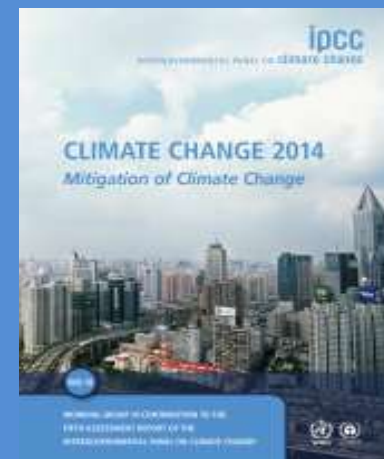
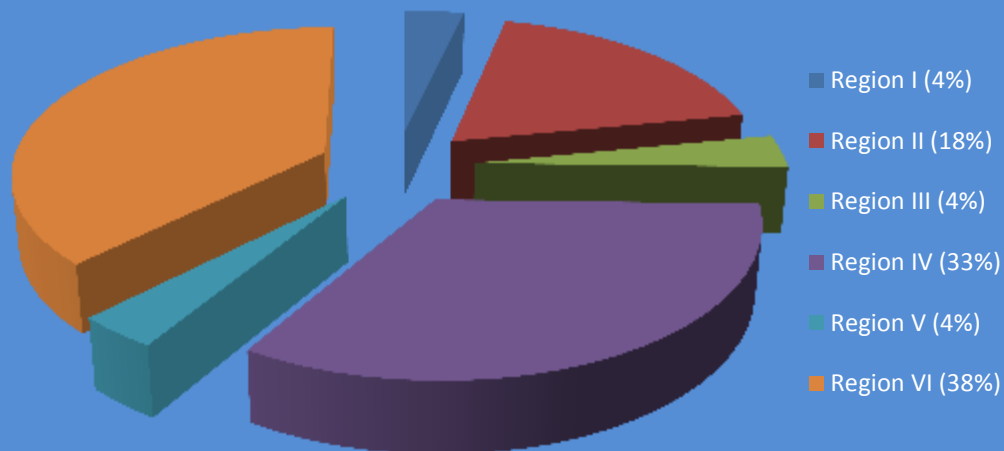
- A total of about 798 contributors
- The highest contribution is from Europe and North America
- Contributions from the developing world least

Authors, Review Editors and Expert Reviewers Contributions by Regions to WGII AR5 (climate change impacts, adaptation and vulnerability)

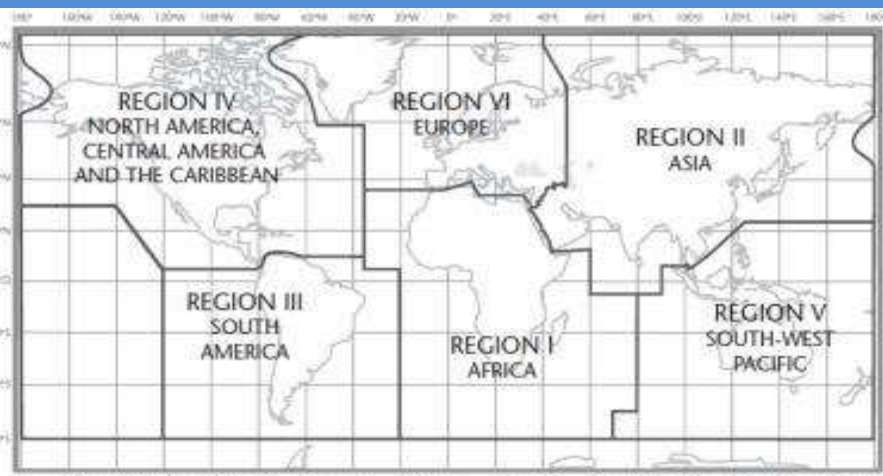


- About 825 contributors
- The highest contribution is from Europe and North America
- Contributions from the developing world least

Authors, Review Editors and Expert Reviewers Contributions by Regions to WGIII AR5 (Mitigation of Climate Change)

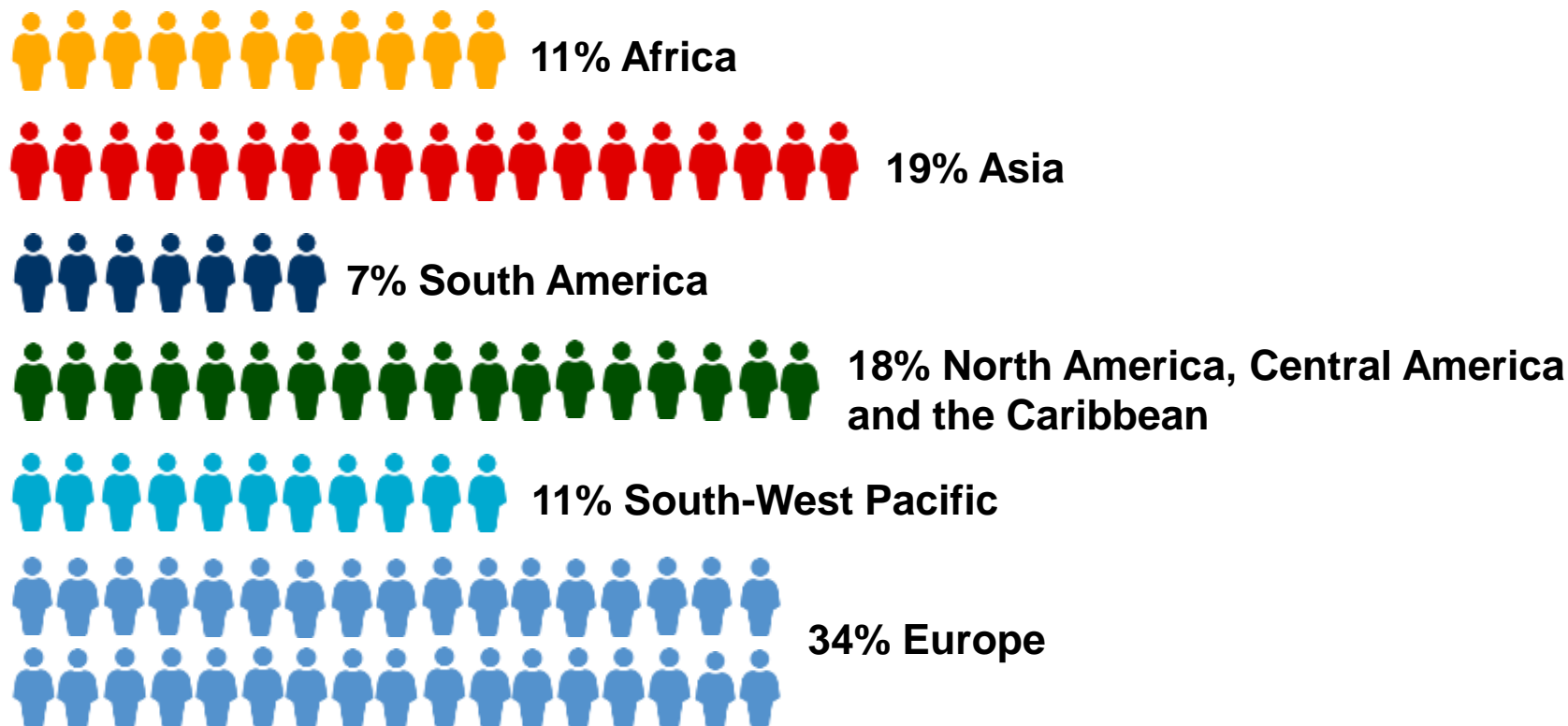


- About 733 contributors
- The highest contribution is from Europe and North America
- Contributions from the developing world least



IPCC Sixth Assessment Report

Authors by regions



Countries nominating



Getting involved



1



Contribute to existing literature

IPCC assessments are as good as the literature available. Look out for the various cut off dates for literature for the different reports.

2

As Authors or Review Editors

Bureaux selects Authors and Review Editors from lists of nominations provided by governments and observer organizations. Look out for the calls for nomination of authors and contact your IPCC Focal Point if you are interested in being nominated.



3

As Expert Reviewers



To be involved in the two review stages: Expert Review of the First Order Draft and Government and Expert Review of the Second Order Draft

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How to get involved in AR6: Report writing process



Coordinating Lead Author
Lead Author
Review Editor
Contributing Author

Expert Reviewer

The IPCC's Special Report on Global Warming of 1.5C

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 INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE
 Working Group I (WG1) – The Physical Science Basis

Review of the Second Order Draft

No. of expert and government reviewers: **570**

Total number of review comments: **25,590**

No. of countries represented: **71**

Share of review comments



■ Summary for Policymakers ■ Chapters

Which chapters received the most comments?



Chapters

- 1 - Framing & Context
- 2 - Pathways compatible with 1.5C
- 3 - Impacts of 1.5C
- 4 - Strengthening the global response
- 5 - Sustainable development

* The Summary for Policymakers (SPM) only appeared in the Second Order Draft of the Special Report on 1.5C, not the First Order Draft.

How to get involved in AR6: Produce the literature



RPR Review of Policy Research

744

Narrowing the Climate Field: The Symbolic Power of Authors in the IPCC's Assessment of Mitigation

Hannah Rachel Hughes
Cardiff University
Cardiff, UK

Matthew Paterson
University of Manchester
Manchester, UK

Abstract

This article provides a critical analysis of the Intergovernmental Panel on Climate Change (IPCC) as a boundary organization using Bourdieu's concepts of field, habitus, and symbolic power. The article combines quantitative, network, and survey data to explore the authorship of Working Group III's contribution to the IPCC Fifth Assessment Report (AR5). These data reveal the dominance of a small group of authors and institutions in the production of knowledge that is represented in the AR5 report, and illuminates how the IPCC's centrality to the field of climate politics is shaping the research and publication strategies of researchers within that field. As a result, the study is able to identify organizational avenues for deepening the involvement and symbolic power of authors from the global South in IPCC assessments of climate change. While empirically, the results of this study lead us to question the IPCC as an assessor of knowledge, theoretically, it suggests that particularly in the international sphere, the use of the boundary organization concept risks overlooking powerful networks of scientific actors and institutions and their broader implication in the politicization of science.

KEY WORDS: IPCC, climate change: mitigation, boundary organization, Bourdieu, field, symbolic power, knowledge inequalities

How to get involved in AR6: Chapter scientists

IPCC Working Group III Blog

About Contact



Calling Early Career Scientists: Become a Chapter Scientist for the IPCC

IPCC WG III TSU
December 7, 2017
AR6

climate change, early
career scientists, IPCC,

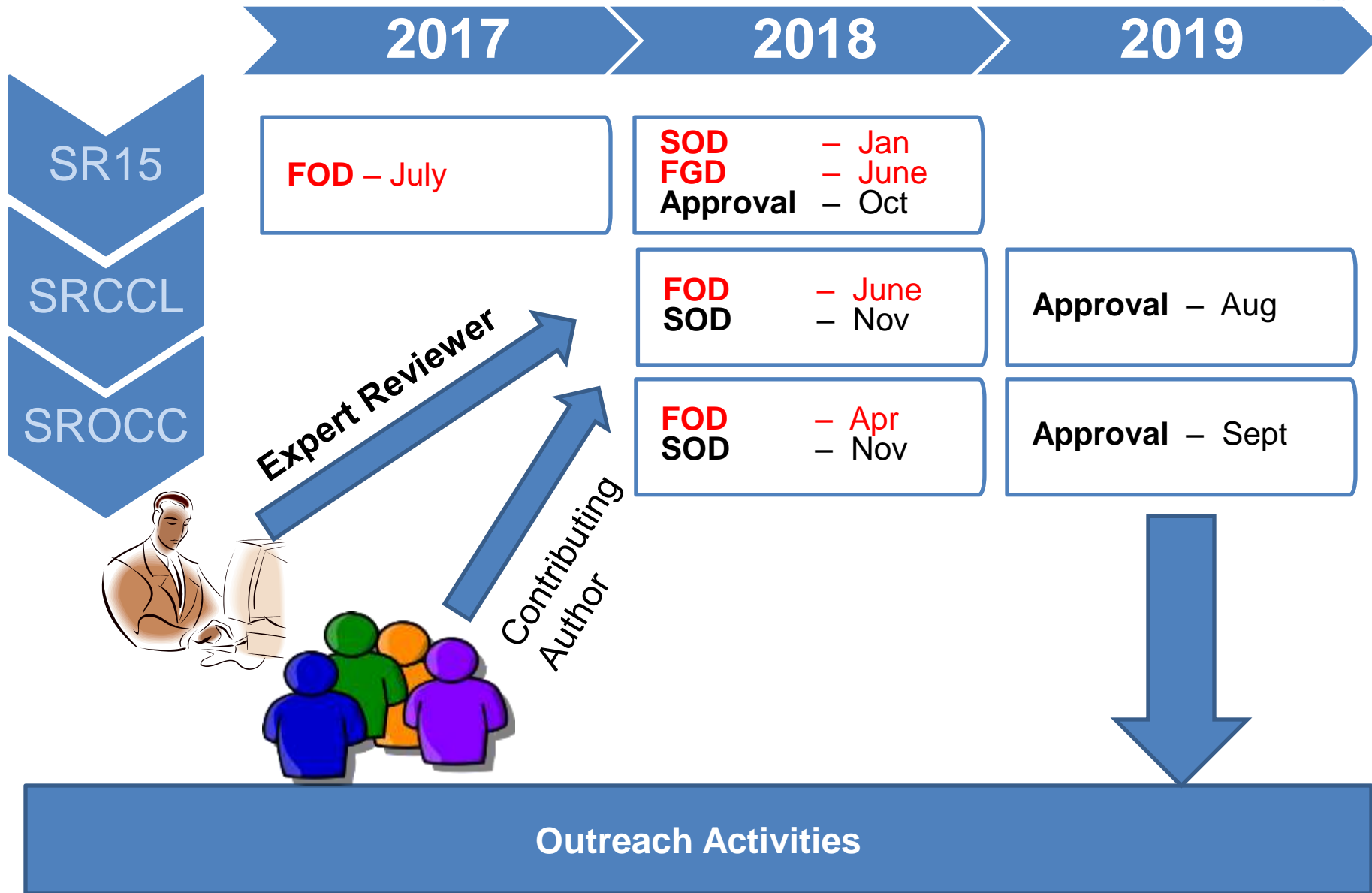
IPCC Working Group III recently launched a call for Volunteer Chapter Scientists to support the authors responsible for producing one of the three Special Reports coming out this cycle. The Working Group III Technical Support Unit talks about the role of Chapter Scientists in the IPCC process and how to get involved.

WORKING GROUP III POSTS

- 2018
III
- Meet
Carlo
Group
- Build
and r
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- Calli
Chap



How to Contribute?



How could the IPCC work better for you?



Work with IPCC Focal Points from your country



Each IPCC Member country has a National Focal Point (NFP) which has been identified by the relevant authorities in the country. You can find their details on the IPCC website: www.ipcc.ch

Become an Observer Organization to the IPCC



Any non-profit body or agency, whether national or international, governmental or intergovernmental may be admitted as an observer organization (subject to acceptance by the Panel). See the "IPCC Policy and Process for Admitting Observer Organizations": www.ipcc.ch

Participate in IPCC Sessions



Participation of Government representatives in IPCC sessions ensures that your country's voice is heard (nomination is by NFP). Representatives of observer organizations may also attend. Contact: ipcc-sec@wmo.int

Organize and Participate in Outreach Events



Outreach events create awareness about the work of the IPCC and its findings and are carefully tailored to the specific regional, national and stakeholders' needs. Contact: ipcc-media@wmo.int

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THANK YOU FOR YOUR ATTENTION!

For more information:

Website: <http://ipcc.ch/>

IPCC Secretariat: ipcc-sec@wmo.int

IPCC Press Office: ipcc-media@wmo.int

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<https://vimeo.com/ipcc>

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