

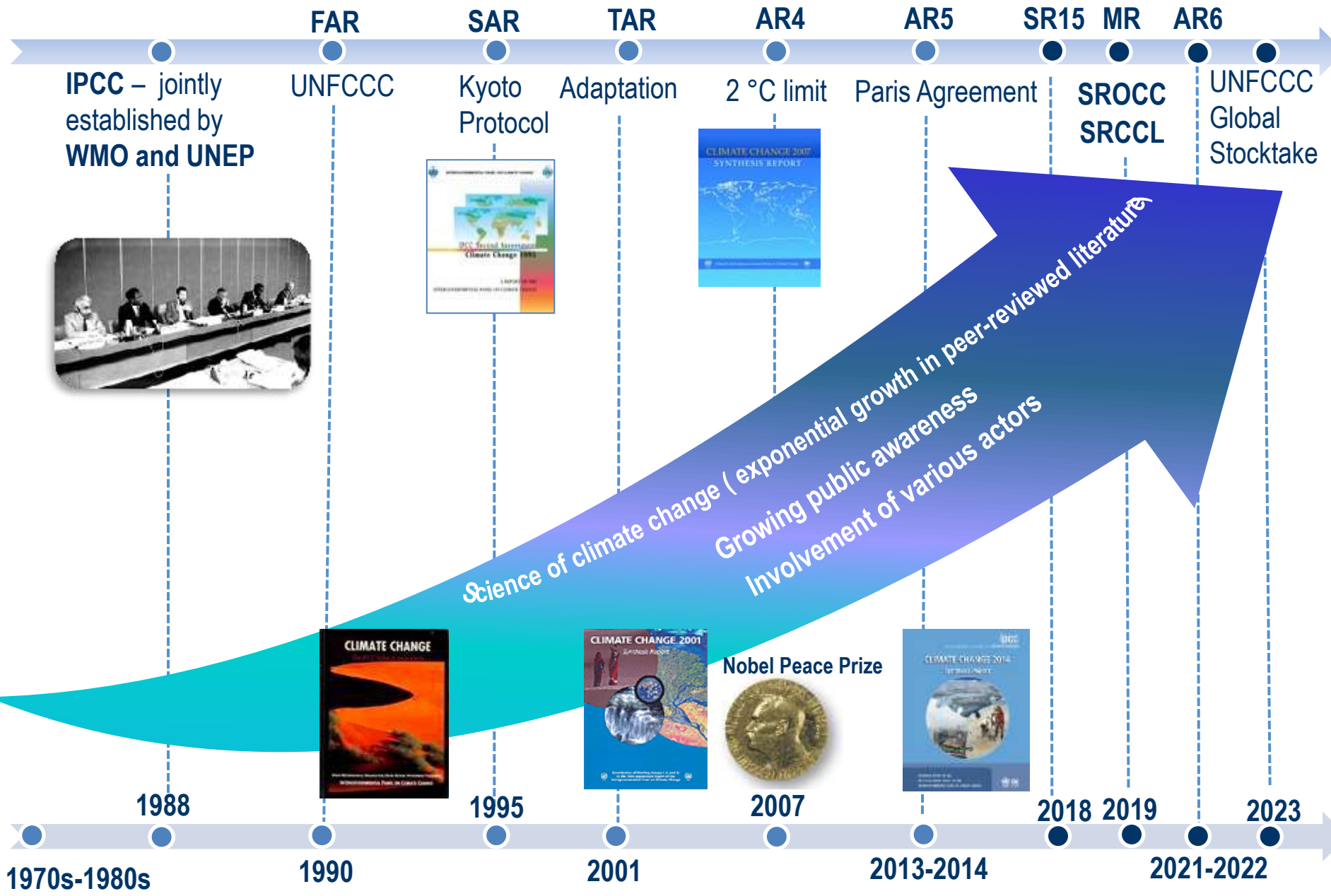
Activities and Findings of the Intergovernmental Panel on Climate Change  
18 June 2018, Tehran, Iran

# IPCC: How it works and what it's working on

## Getting more involved

Dr Youba SOKONA  
IPCC Vice-Chair

# IPCC History and Role



# The role of the IPCC is ...

“... to **assess** on a comprehensive, objective, open and transparent basis the **scientific, technical and socio-economic information** relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts and options for adaptation and mitigation.”

“IPCC reports should be **neutral with respect to policy**, although they may need to **deal objectively with scientific, technical and socio-economic factors** relevant to the application of particular policies.”

*Principles Governing IPCC Work, paragraph 2*

*Source: <http://www.ipcc.ch/pdf/ipcc-principles/ipcc-principles.pdf>*

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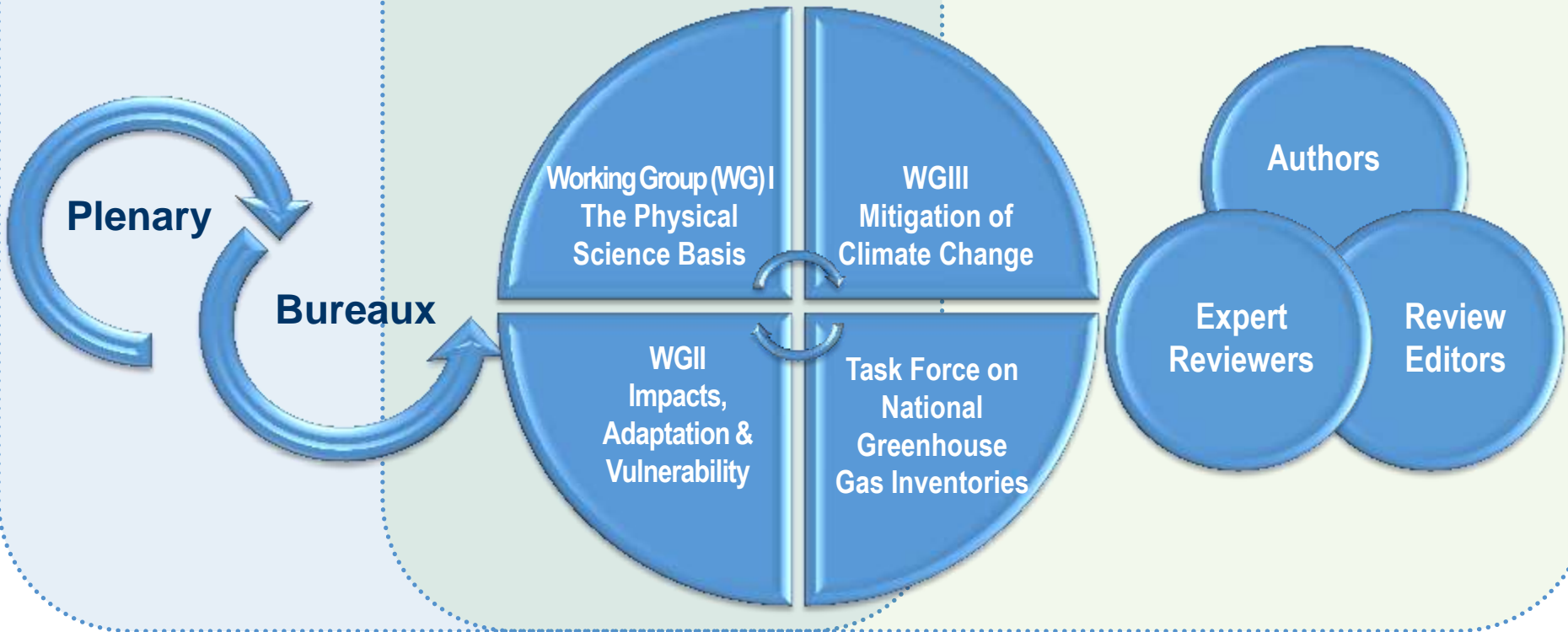


# Science/Policy Interface

IPCC – jointly established by **WMO** and **UNEP**, action endorsed by the **UN General Assembly**

**Intergovernmental Panel:** 195 member States appointing National Focal Points

Hundreds of **scientists and experts from around the world** are involved in the preparation of IPCC reports



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# IPCC Reports

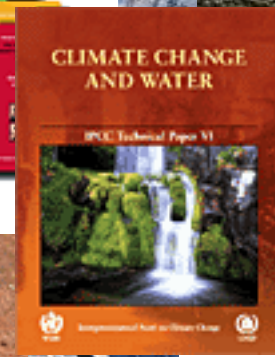
Five assessment reports (1990, 1995, 2001, 2007, 2013-14)

1992 supplementary report and 1994 special report

Nine special reports (1997, 1999, 2000, 2005, 2011, 2012)

Guidelines for national GHG inventories, good practice guidance (1995, 1996, 2000, 2003, 2006, 2013)

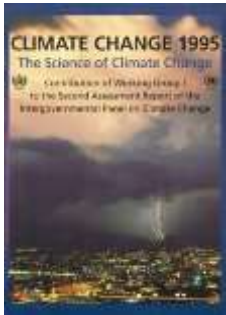
Six technical papers (1996-2008)







**1990**  
 Gave a broad overview of climate change science, discussion of uncertainties and evidence of warming



**1995**  
 “The balance of evidence suggests a discernible human influence on global climate”



**2001** “There is new and stronger evidence that most of the warming observed over the last 50 years is attributable to human activities”

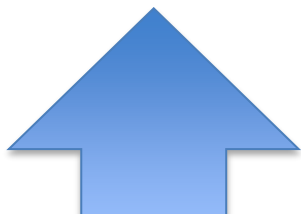


**2007** "Warming of the climate system is unequivocal..."

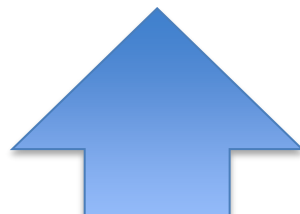


**2013** “Human influence on the climate system is clear.”

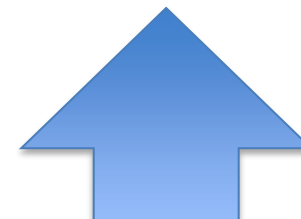
**Progress in multiple lines of evidence and the maturation of climate science**



Observations



Process based understanding



More sophisticated models

# What are IPCC reports used for?





# ...and is relevant

## SUSTAINABLE DEVELOPMENT GOALS



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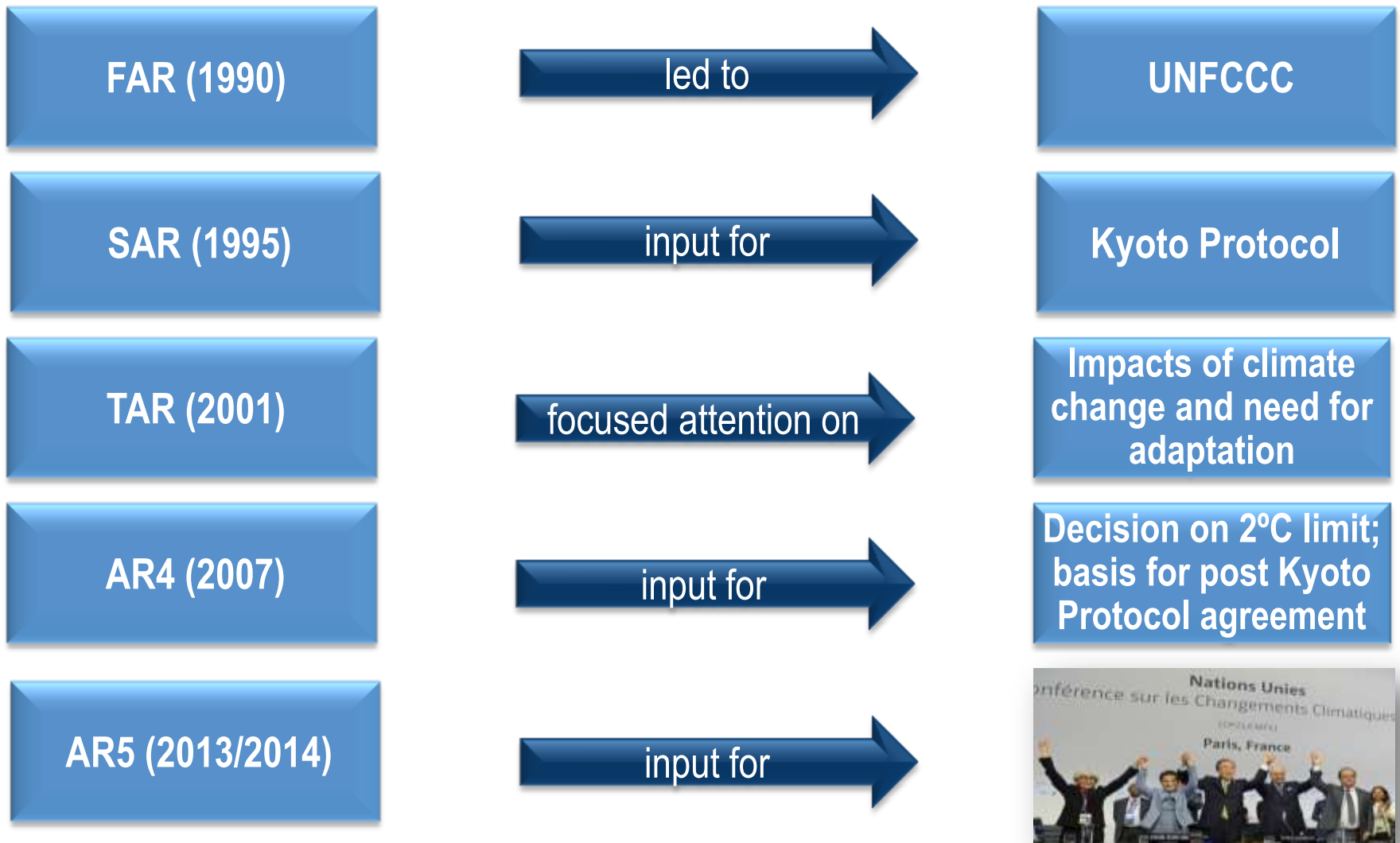
PARIS 2015  
UN CLIMATE CHANGE CONFERENCE  
COP21·CMP11



Holding the increase in the global average temperature to well below 2 °C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5 °C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change;

*Invites* the Intergovernmental Panel on Climate Change to provide a special report in 2018 on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways;

# ...that has made an impact



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# The Sixth Assessment Cycle

# Sixth assessment cycle



## Special Reports

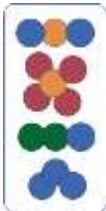


Global Warming of 1.5 °C, an IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate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



UNEP

# IPCC Sixth Assessment (AR6)

## 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

May 2019

**Emission inventories**



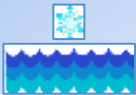
Oct. 2018

**Global warming of 1.5 °C**



Sept. 2019

**Oceans and cryosphere**



April 2021

**The Physical Science Basis**

October 2021


**Climate Change Impacts, Adaptation and Vulnerability**

April 2022


**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*

# 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

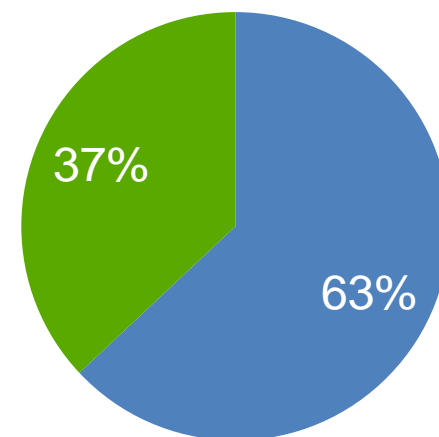
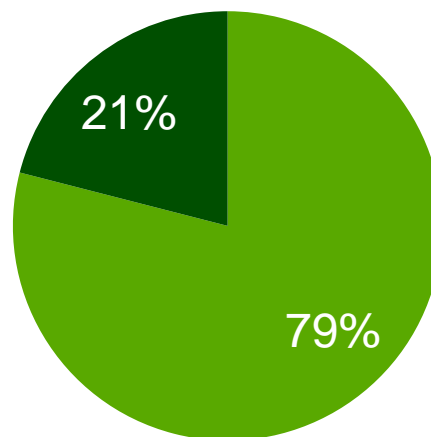
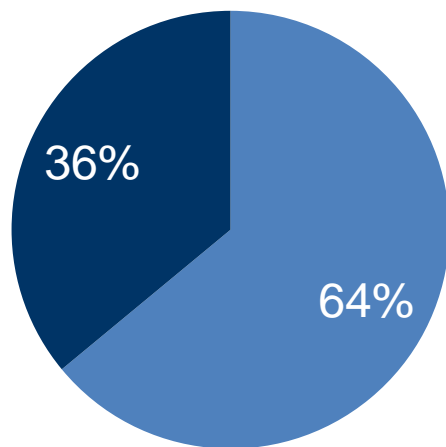
■ Male writing team members

■ New to the IPCC process

■ Developing Countries & Economies in Transition

■ Female writing team members

■ Previously involved

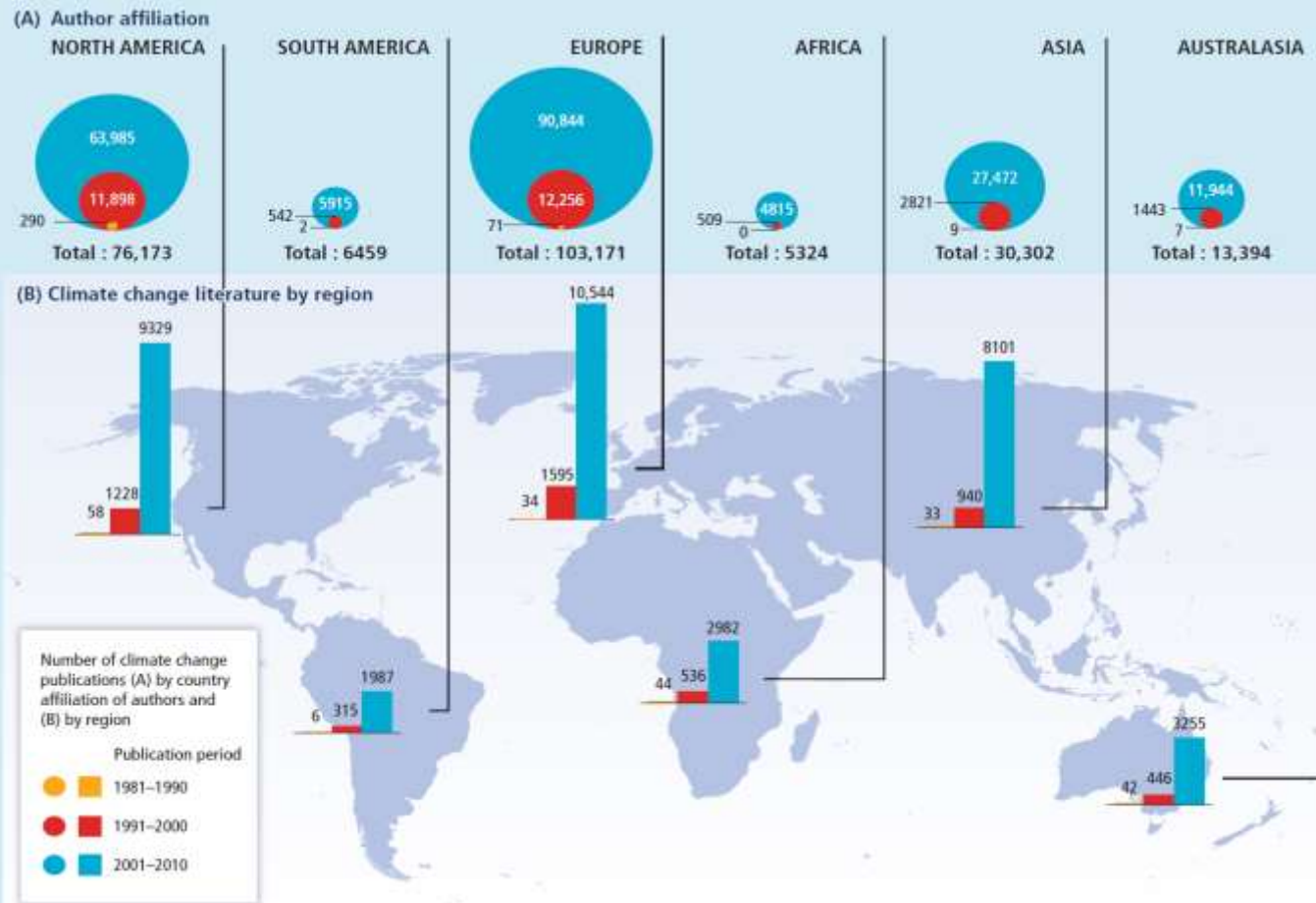


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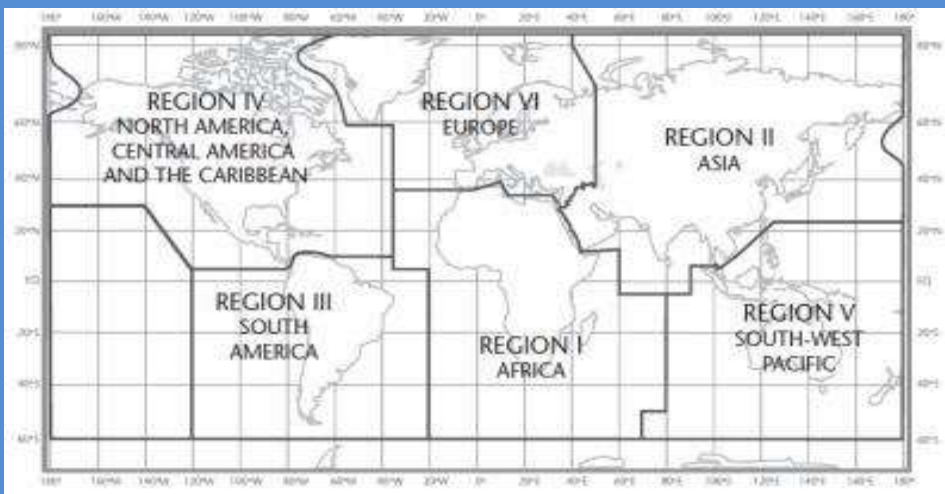
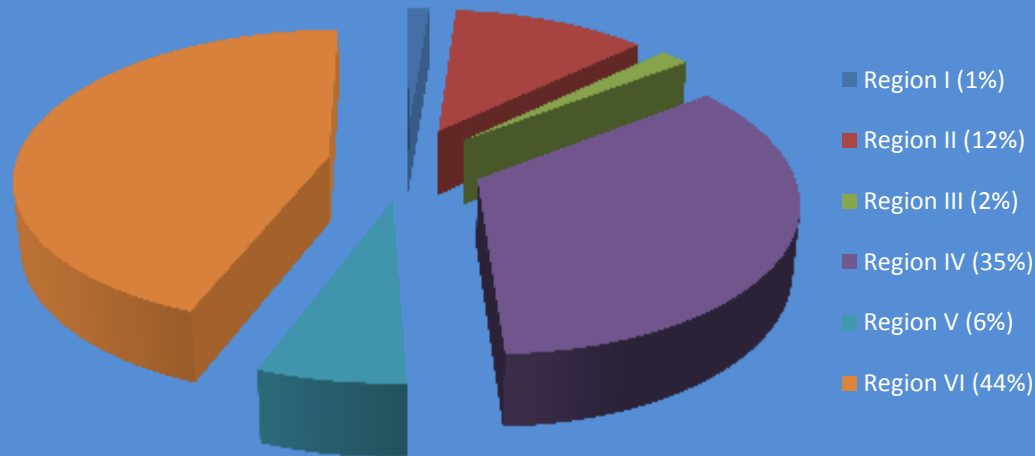


# Experts from different Regions Contributions to IPCC Works



- The overall number of climate change publications assessed in IPCC work has significantly increased, which allows for more comprehensive assessments
- Publications authored by experts from the developing world remains relatively low

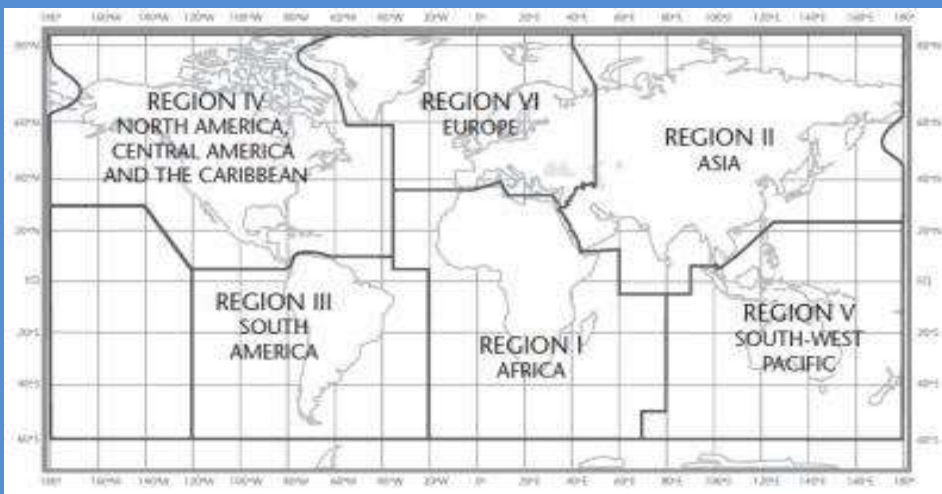
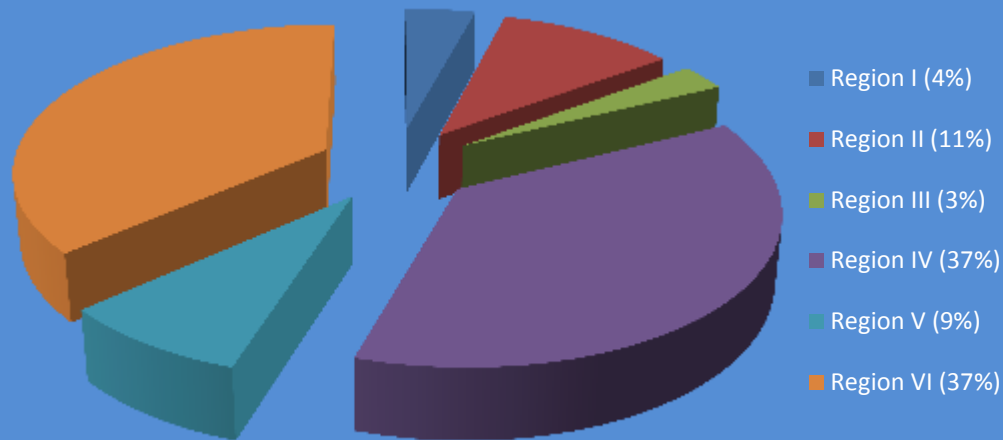
# Authors, Review Editors and Expert Reviewers Contributions by Regions to WGI AR5 (Physical science basis of climate change)



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

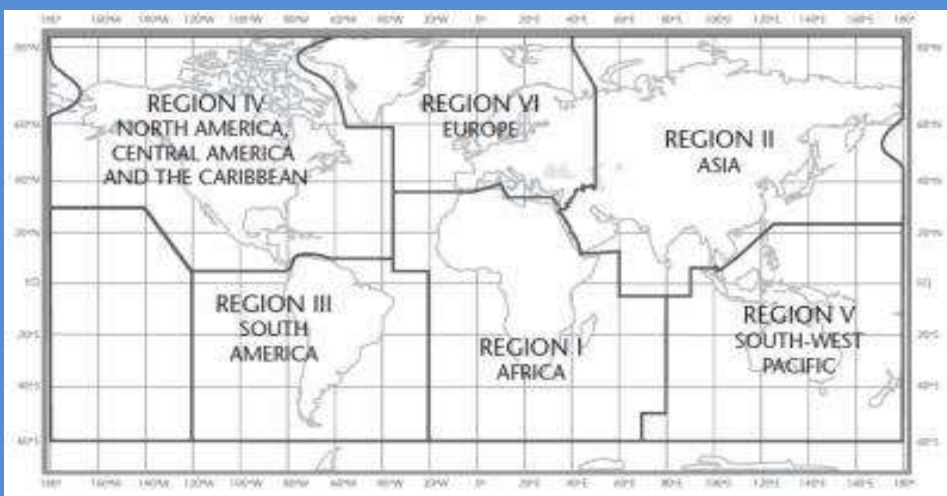
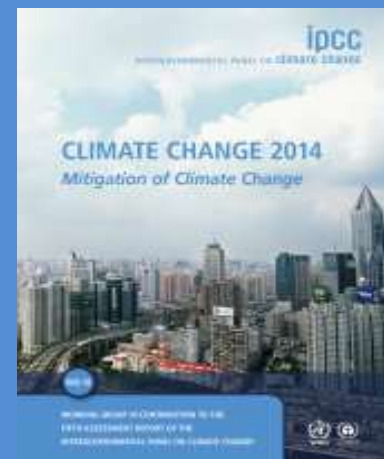
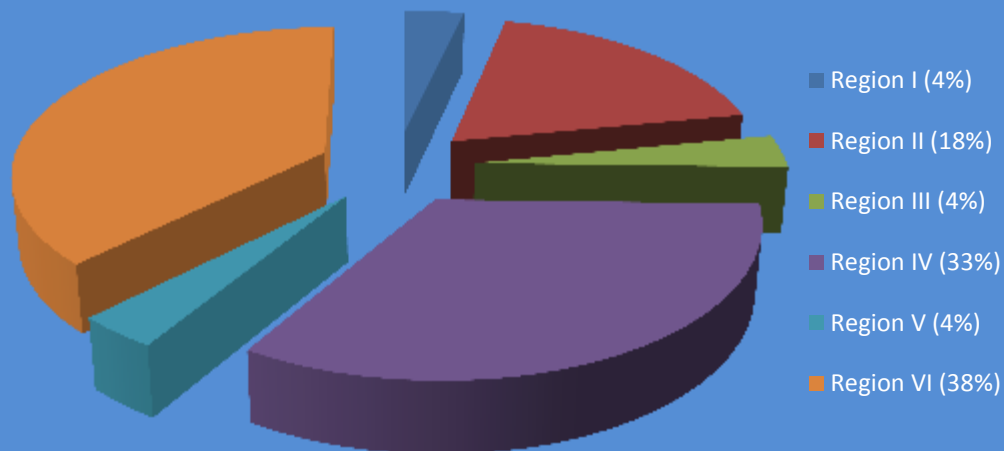


# Authors, Review Editors and Expert Reviewers Contributions by Regions to WGII AR5 (climate change impacts, adaptation and vulnerability)



- 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

# Why your contribution matters?



## AR6 in Statistics:

Total number of Coordinating Lead Authors, Authors and Reviewers: **721\***

Total number of countries represented on writing teams: **90**

■ Developed Countries

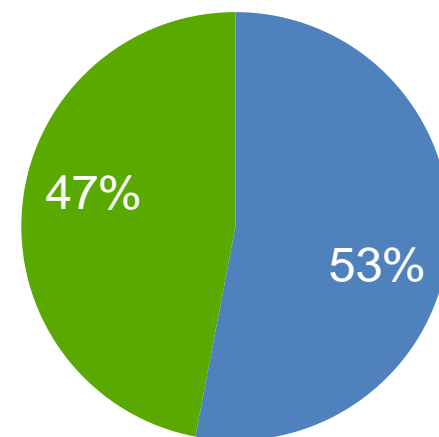
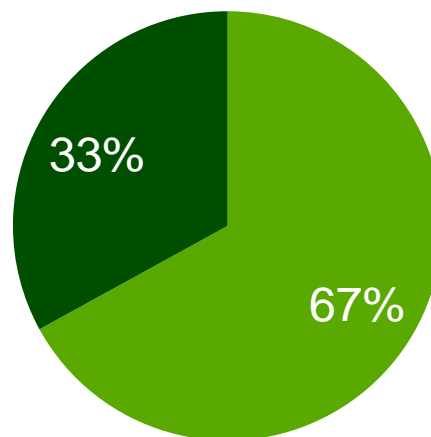
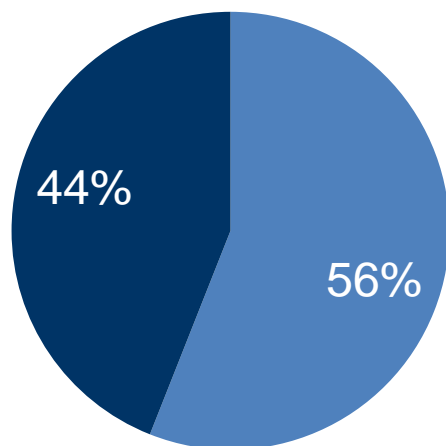
■ Male writing team members

■ New to the IPCC process

■ Developing Countries & Economies in Transition

■ Female writing team members

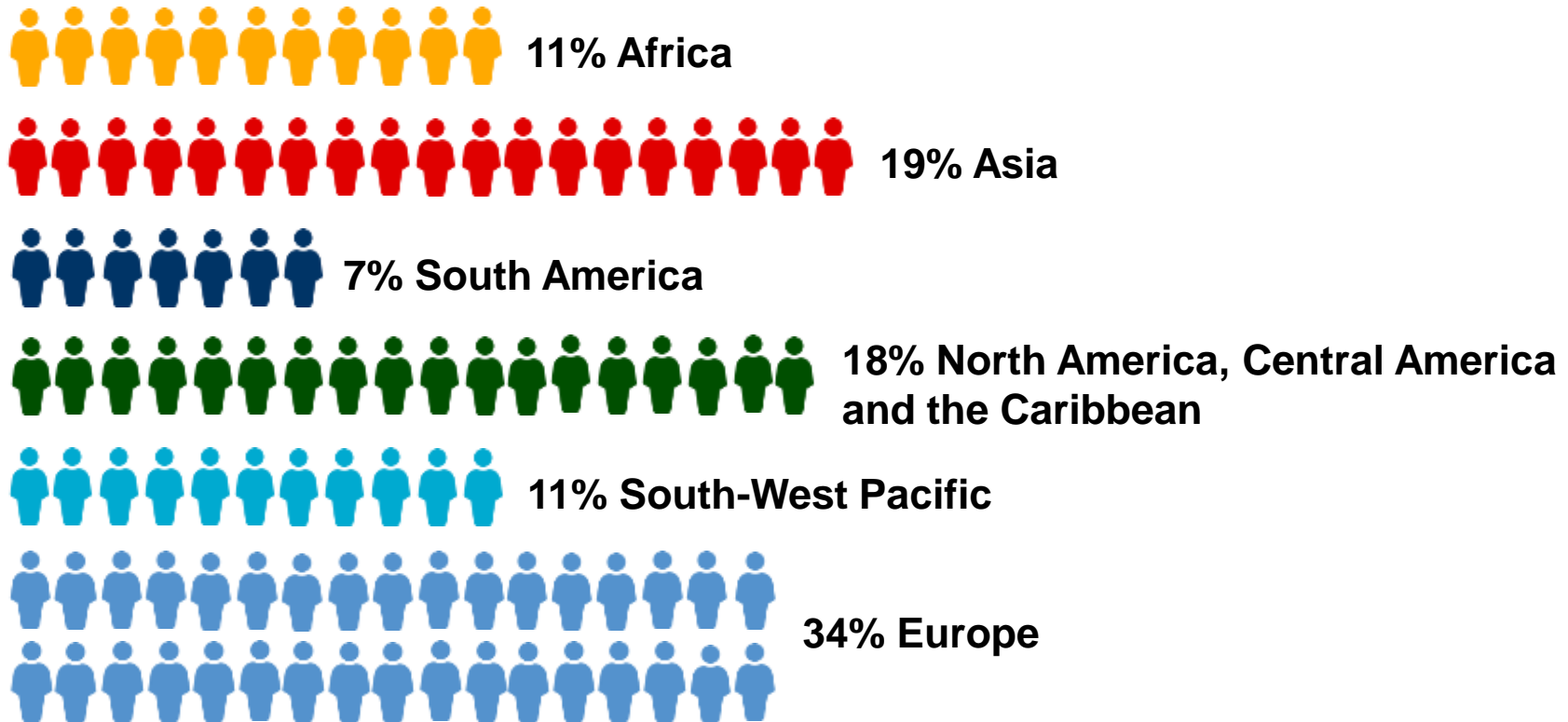
■ Previously involved



\* Numbers may be subject to further minor changes.

# 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

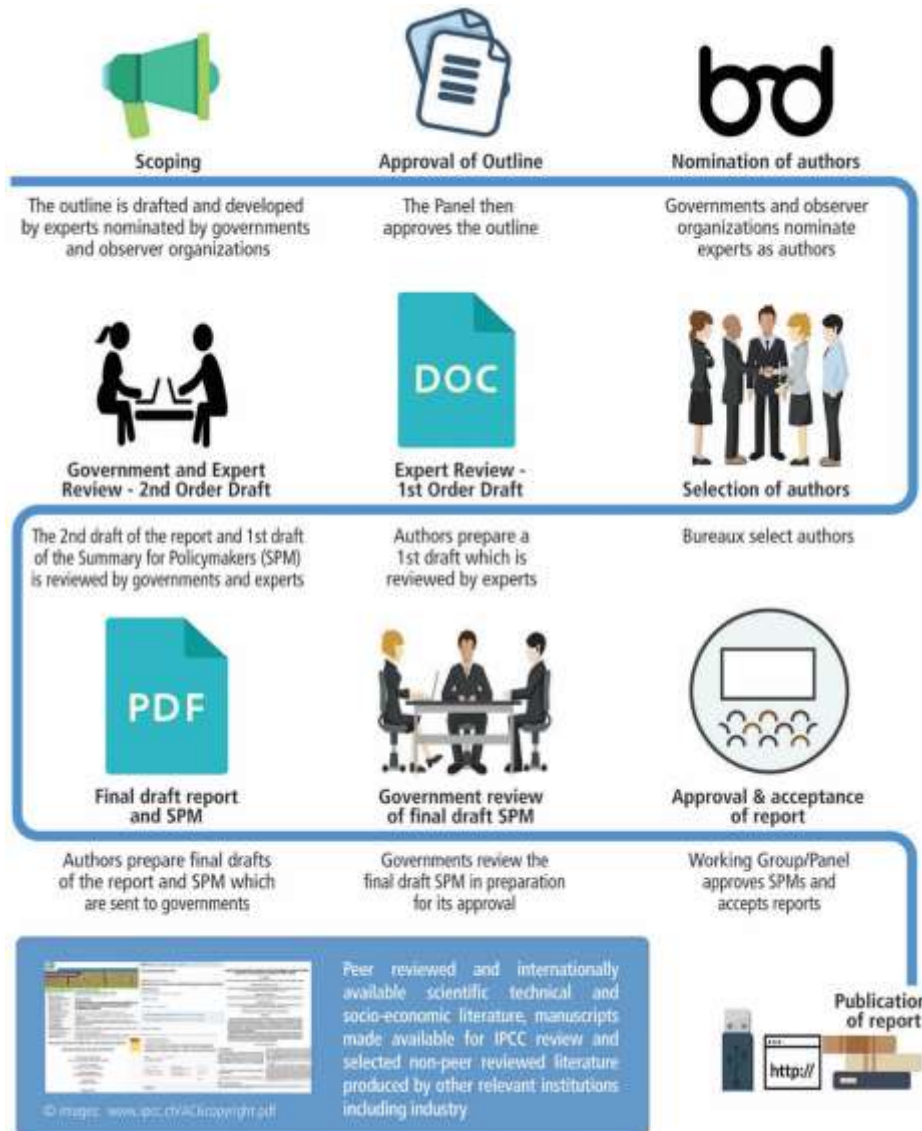
*IPCC Working Group III recently launched a call for Volunteer Chapter Scientists to support the authors responsible for producing one of the three Special Reports coming out this cycle. The Working Group III Technical Support Unit talks about the role of Chapter Scientists in the IPCC process and how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

### WORKING GROUP III POSTS

- 2018  
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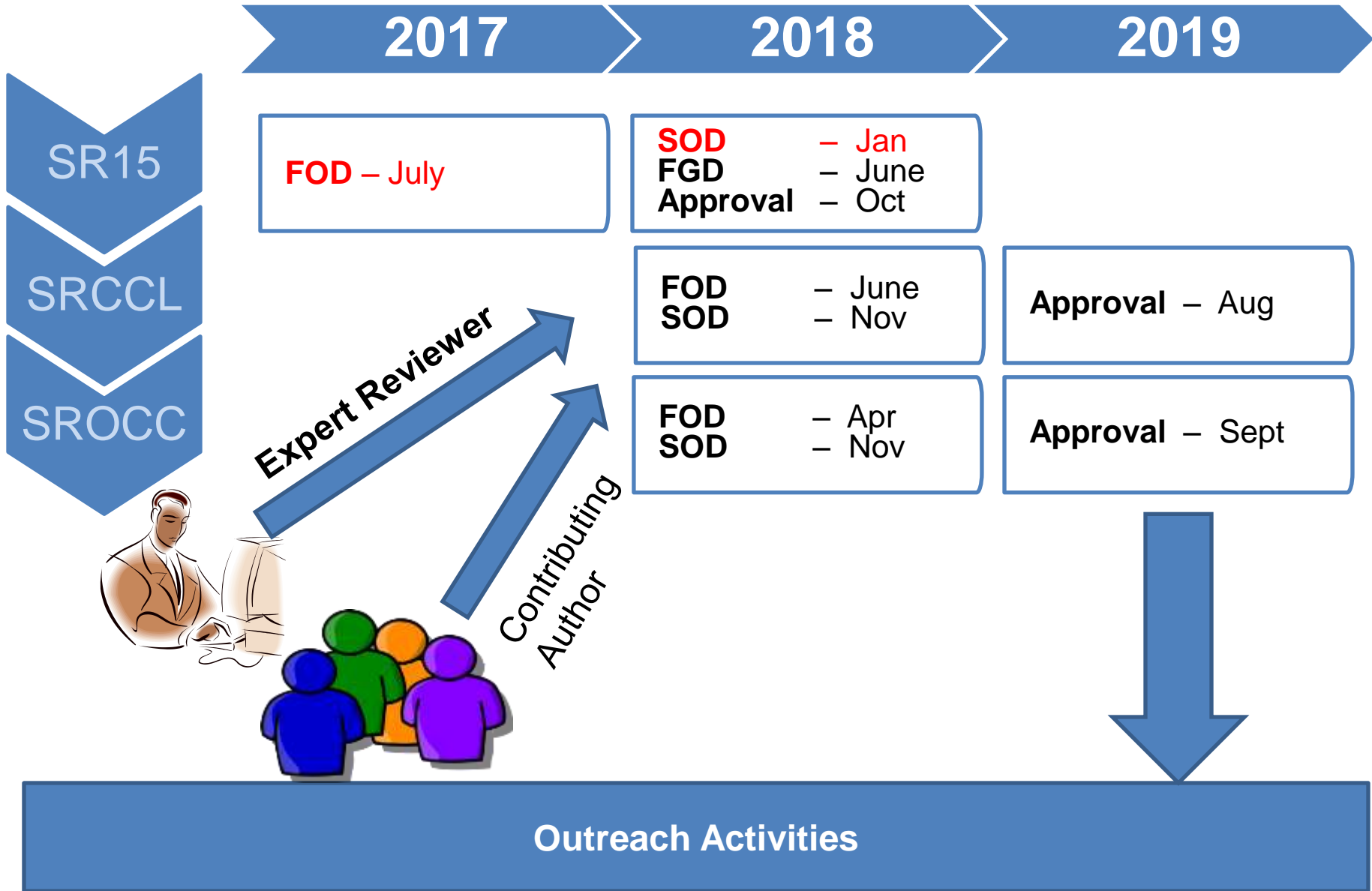


# How the IPCC prepares its reports?





# How to Contribute?



## Registration opens for Expert Review of the First Order Draft of the IPCC *Special Report on the Ocean and Cryosphere in a Changing Climate*

The Expert Review of the First Order Draft of the IPCC *Special Report on the Ocean and Cryosphere in a Changing Climate* (SROCC) will take place **from 4 May to 29 June 2018**.

Expert Reviewers can register at

[www.ipcc.ch/apps/comments/srocc/fod/register.php](http://www.ipcc.ch/apps/comments/srocc/fod/register.php)

up to a week before the end of the review period.



## **Expert Review of the First Order Draft of SRCCL**

**The Expert Review of the First Order Draft of the Special Report on Climate Change and Land (SRCCL) will take place from 11 June to 5 August 2018 midnight (GMT +2). Registration will be open until 29 July 2018 midnight (GMT +2).**

**<https://www.ipcc.ch/apps/comments/srccl/fod/register.php>**

# 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](http://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](http://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](mailto: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](mailto: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](mailto:ipcc-sec@wmo.int)

IPCC Press Office: [ipcc-media@wmo.int](mailto:ipcc-media@wmo.int)

## Find us on:



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