

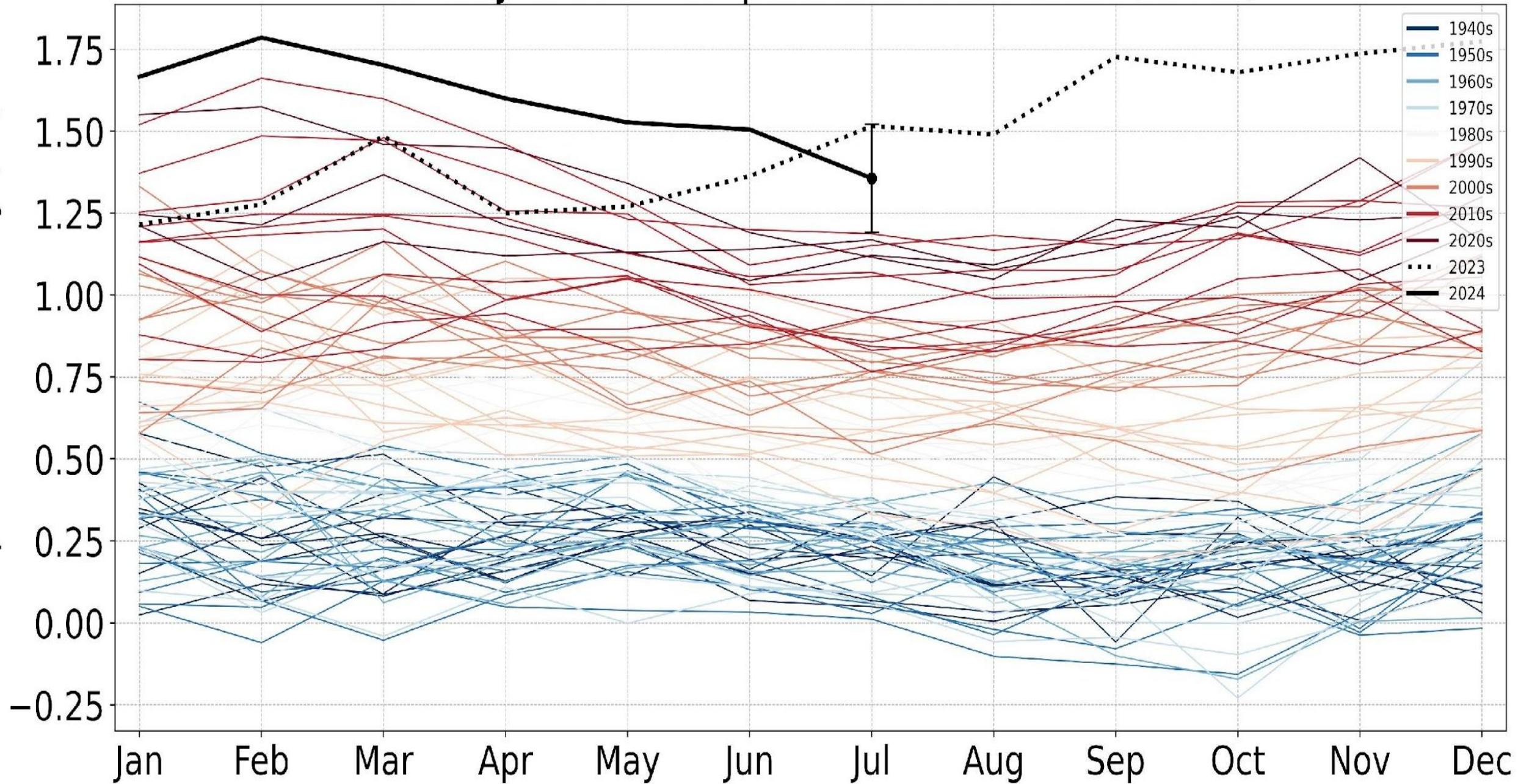
Priorities of the IPCC's Seventh Assessment Cycle

How to enhance the role of science in international climate processes?

Diana Ürge-Vorsatz
IPCC Vice-Chair

Monthly Global Temperature Anomalies (ERA5)

Temperature Anomaly (°C)



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.”

Principles Governing IPCC Work, paragraph 2

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

“Policy relevant, but not policy prescriptive”

IPCC Reports

6

Assessment Reports

1990, 1995, 2001, 2007, 2013-14, 2021-23

14

Special Reports

1997, 1999, 2000, 2005, 2011, 2012, 2018, 2019

1992 Supplementary report
1994 Special report

9

Guidelines for national GHG inventories, good practice guidance

1995, 1996, 2000, 2003, 2006, 2013, 2019

6

Technical Papers

1996-2008



1990

SO, THIS CLIMATE
CHANGE THING
COULD BE A PROBLEM...



1995

CLIMATE CHANGE:
DEFINITELY A
PROBLEM.



2001

YEP, WE SHOULD
REALLY BE GETTING
ON WITH SORTING THIS
OUT PRETTY SOON...



2007

LOOK, SORRY TO SOUND
LIKE A BROKEN RECORD
HERE...



2013

WE REALLY HAVE
CHECKED AND WE'RE
NOT MAKING THIS UP.



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INTERGOVERNMENTAL PANEL ON
climate change

2019

IS THIS
THING ON?



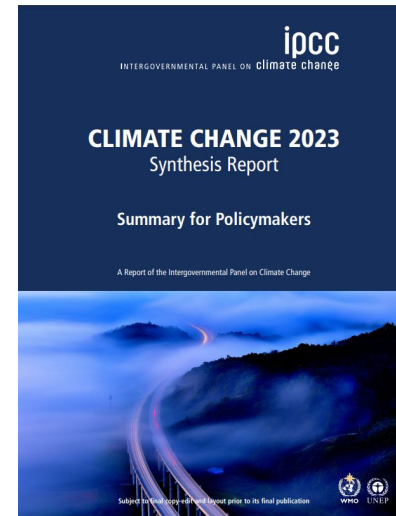
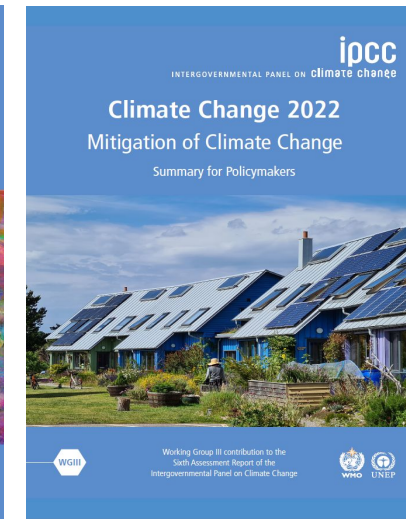
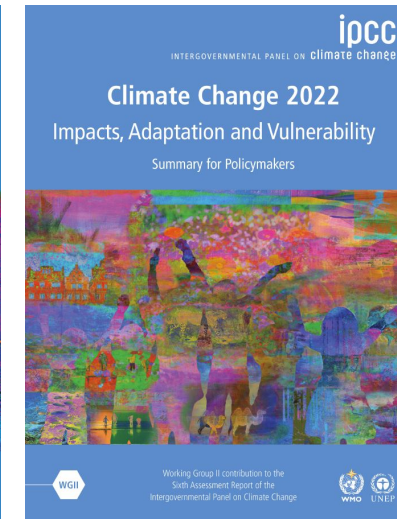
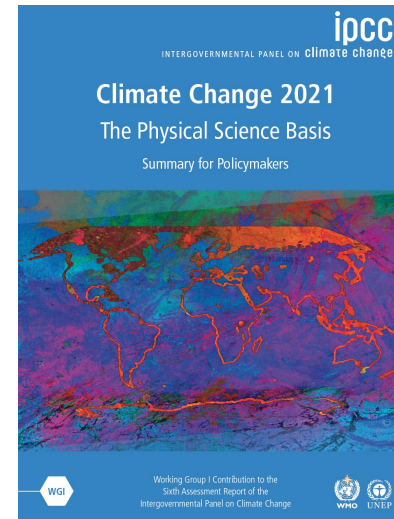
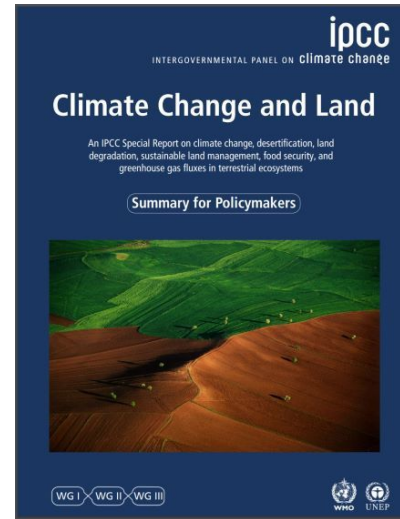
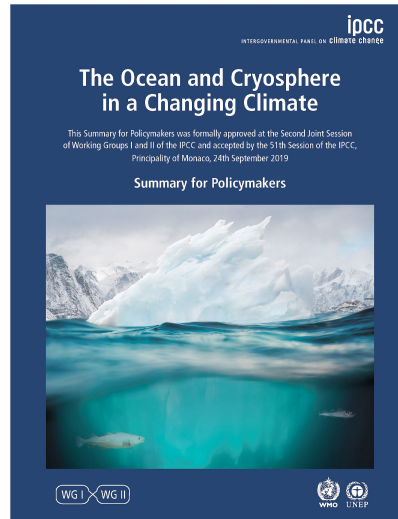
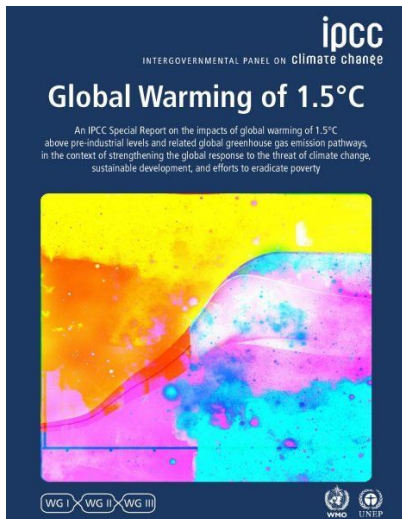
KIPRM.
28/9/13



Why is the IPCC model unique?

- Voluntary work
- No funding accepted except from governments
- Very thorough COI procedures, COI management
- Transparency, diversity, inclusivity
- **knowledge co-production process**
- Extremely thorough review procedure
- Policy relevant but not policy prescriptive

The 6th Assessment Cycle (AR6) October 2015 – July 2023



Key indicators of global climate change 2023: What's changed since AR6?

Human-induced warming is increasing at the **unprecedented rate** of over 0.2°C per decade, the result of greenhouse gas emissions being at an all-time high over the last decade, as well as reductions in the strength of aerosol cooling.



Remaining carbon budget: AR6 values compared to latest estimates

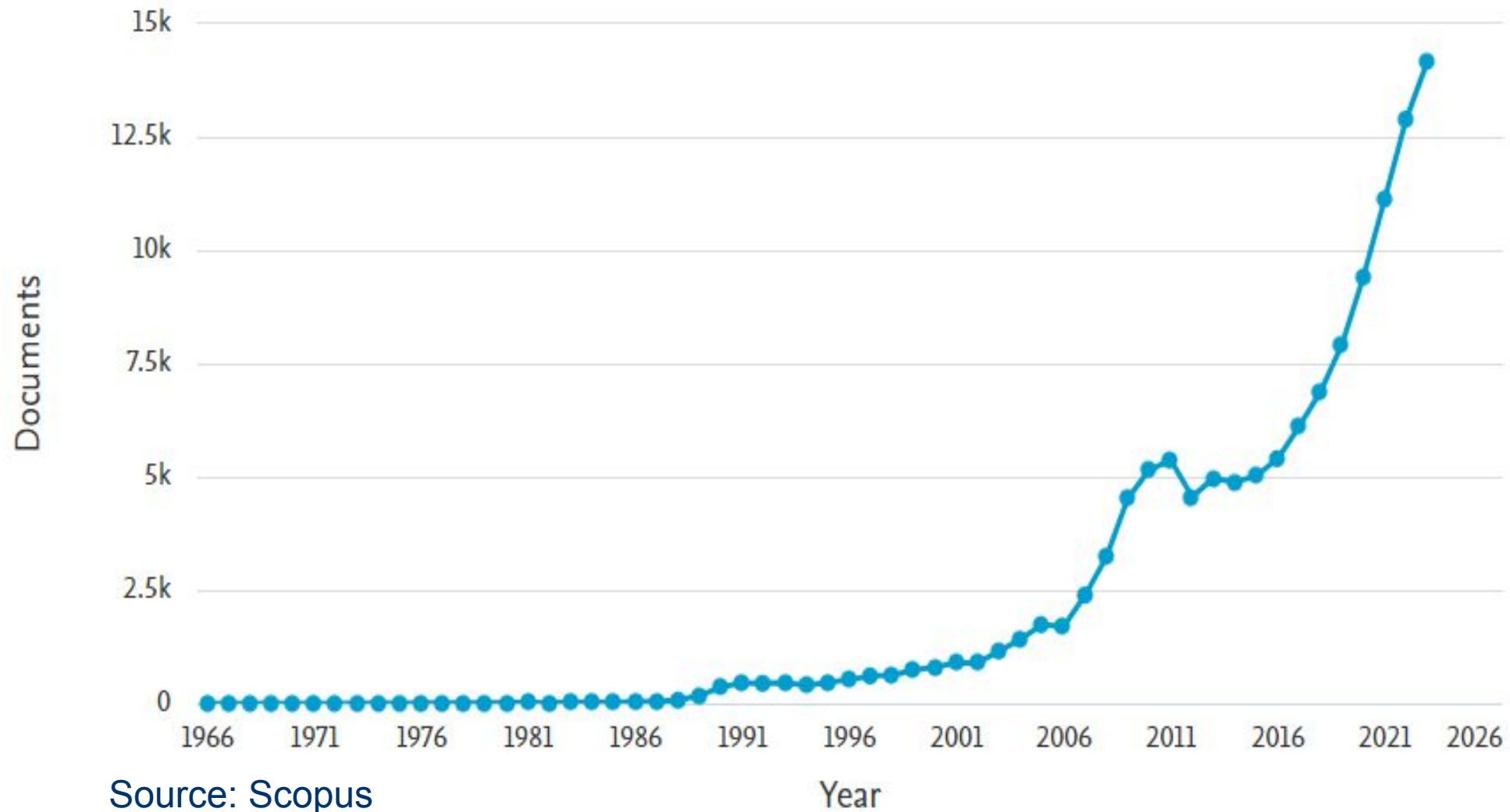
Warming Limit	Likelihood	AR6	Annual update
1.5 °C	17%	-	450 Gt CO2
	33%	-	300 Gt CO2
	50%	500 Gt CO2	200 Gt CO2
1.7 °C	67%	-	450 Gt CO2
	83%	-	100 Gt CO2
2.0 °C	50%	-	1100 Gt CO2
	67%	1150 Gt CO2	-
	83%	-	750 Gt CO2

Global energy-related CO2 emissions reached a new record high of 37.4 Gt in 2023

Sources: -Forster, Piers M., et al. "Indicators of Global Climate Change 2023: annual update of key indicators of the state of the climate system and human influence." *Earth System Science Data* 16.6 (2024): 2625-2658.
-IPCC AR6.
-International Energy Agency

Scientific articles related to climate change per year

Documents by year



Source: Scopus

Three traditional Working Group (WG) contributions to the AR7:

- Working Group I report on the **Physical Science Basis**
- Working Group II report on **Impacts, Adaptation and Vulnerability**
- Working Group III report on **Mitigation of Climate Change**

Synthesis Report (SYR) based on key findings from the three WGs

Special Report on **Climate Change and Cities**

Methodology report on **Short-lived Climate Forcers**

Methodology report **Carbon Dioxide Removal** Technologies, Carbon Capture Utilization and Storage

An **update of the 1994 IPCC Technical Guidelines on impacts and adaptation**, in conjunction with the Working Group II report and published as a separate product.

Seventh Assessment Cycle (timelines)



Preliminary Outline of SRCities

Chapter 1: Cities in the context of climate change: framing of the report

Chapter 2: Cities in a changing climate: trends, challenges and opportunities

Chapter 3: Actions and solutions to reduce urban risks and emissions

Chapter 4: How to facilitate and accelerate change

Chapter 5: Solutions by city types and regions



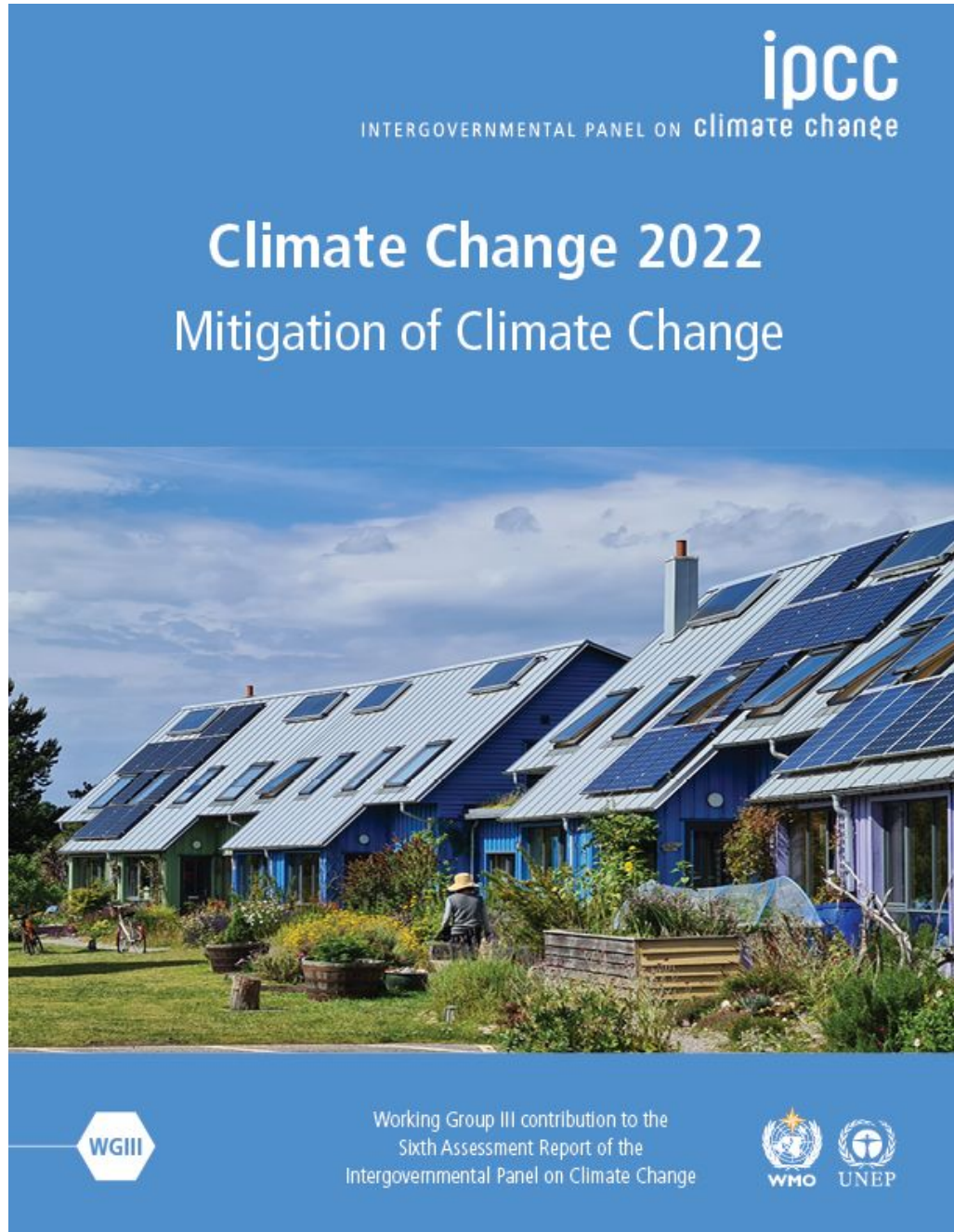
Selected opportunities for enhancing the role of science and IPCC towards COP29

- P61 will be crucial – will IPCC and science be able to inform the GST2 with its assessment report? What will SR Cities cover?
 - P61 in Sofia, Bulgaria, 26 July – Aug 2
- Scoping meeting of the AR7
 - What are the most crucial questions AR7 can answer for policy-makers?
- Promoting research on policy priority relevant questions
 - E.g. in the era of conflict, wars, global political polarisation, elections – how can climate action still be enhanced?
 - Innovative finance: How can the increasing finance demands of the Global South be met without compromising national social priorities?
 - What is a 1.5C aligned NDC?
- Hosting a Lead Author or Expert meetings
- Funding the IPCC's work

Your support to the IPCC is essential for an effective global climate policy-making

ipcc
INTERGOVERNMENTAL PANEL ON climate change





***Thank you for your
attention***

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THANK YOU
FOR YOUR ATTENTION

STAY IN TOUCH



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