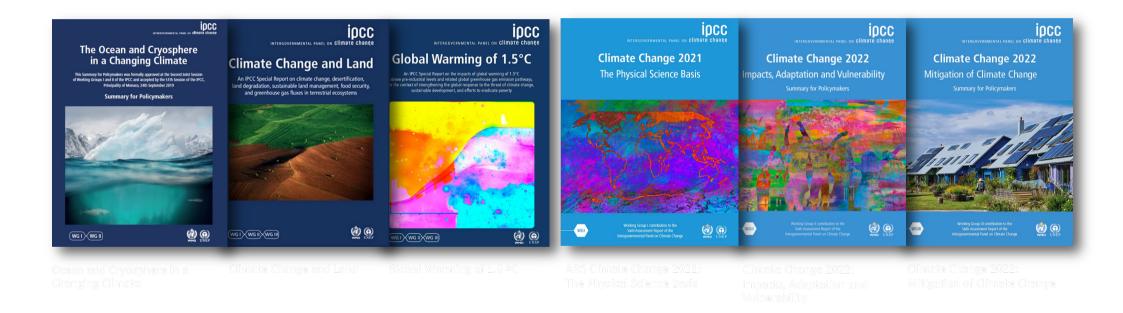
The Intergovernmental Panel on Climate Change

Sixth assessment report of climate change

Anna Pirani Head, IPCC AR6 Working Group I Technical Support Unit Senior Research Associate, Euro-Mediterranean Centre on Climate Change (CMCC)



The state of knowledge on climate change









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IPCC and international policy



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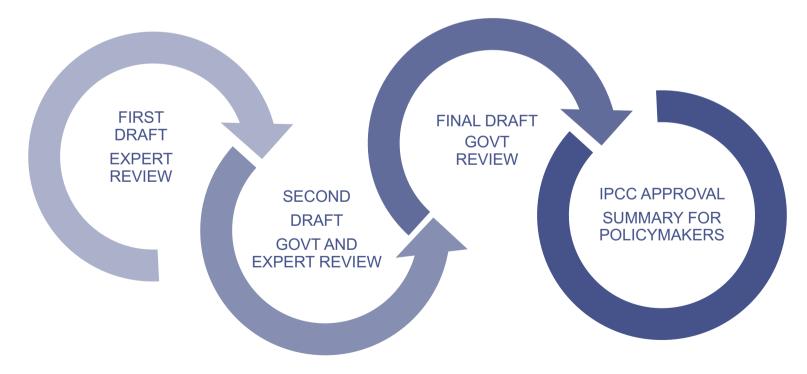
WMO UNEP

IPCC and international policy

A unique science-policy interface

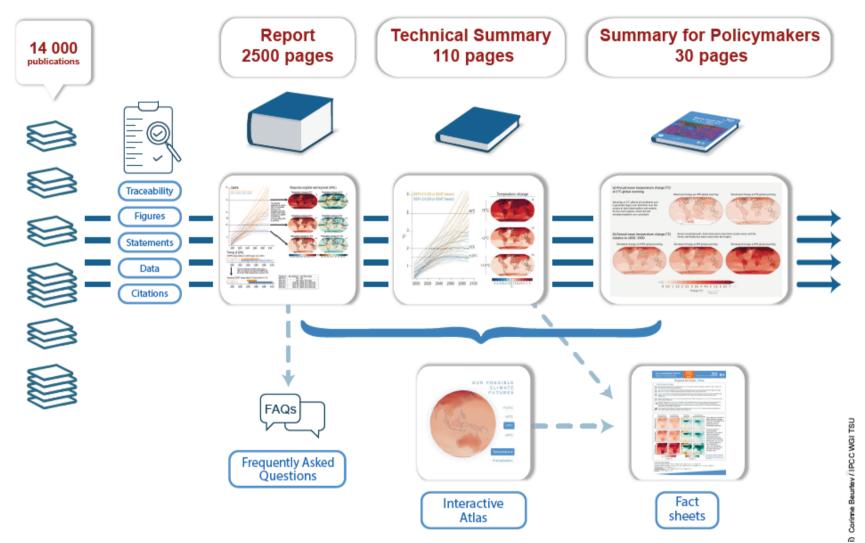


- IPCC reports are neutral with respect to political choices.
- The IPCC does not conduct its own research nor produce datasets.
- Scientists assess evidence from scientific, technical and socioeconomic publications.



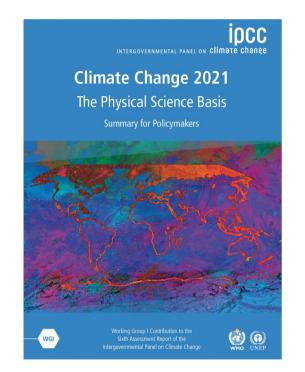
Traceability of the assessment



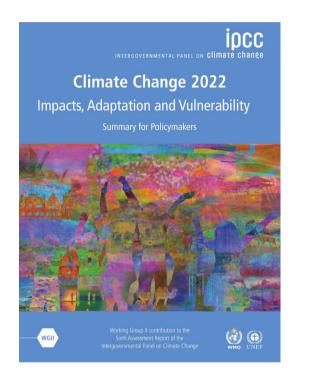


The AR6 Climate Report

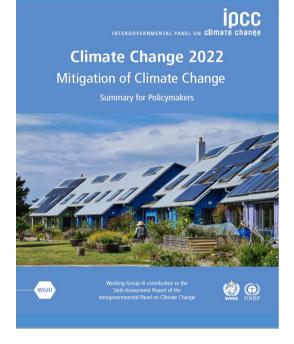
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234 authors, 65 countries 14,000+ scientific papers 78,000+ review comments



270 authors, 67 countries
34,000+ scientific papers
62,000+ review comments



278 authors, 65 countries 18,000+ scientific papers 59,000+ review comments

Role of national delegates



National policymakers co-develop the structure of the report, participate in the review process and approve the Summary for Policymakers (SPM) line by line.



Approval line by line of the Summary for Policymakers

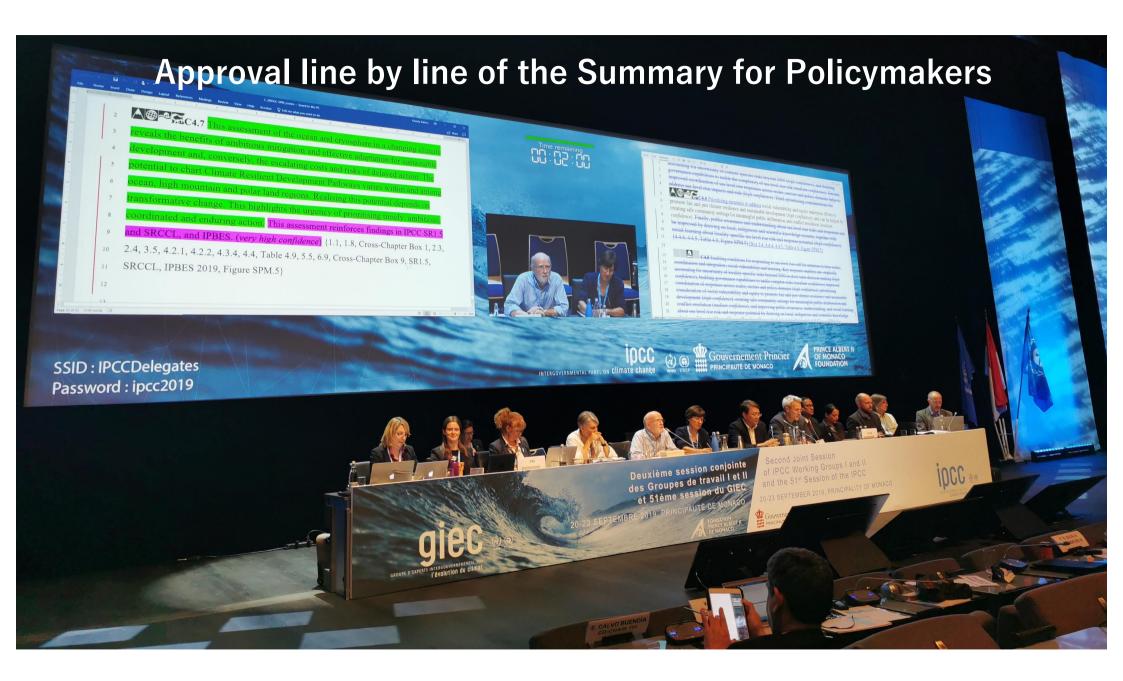




ession conjointe s de travail I et II session du GIEC Second Joint Session of IPCC Working Groups I and II and the 51st Session of the IPCC









Recent changes in the climate are widespread, rapid, and intensifying, and unprecedented in thousands of years

[Credit: NASA]



Widespread and rapid changes in the atmosphere, ocean, cryosphere and biosphere

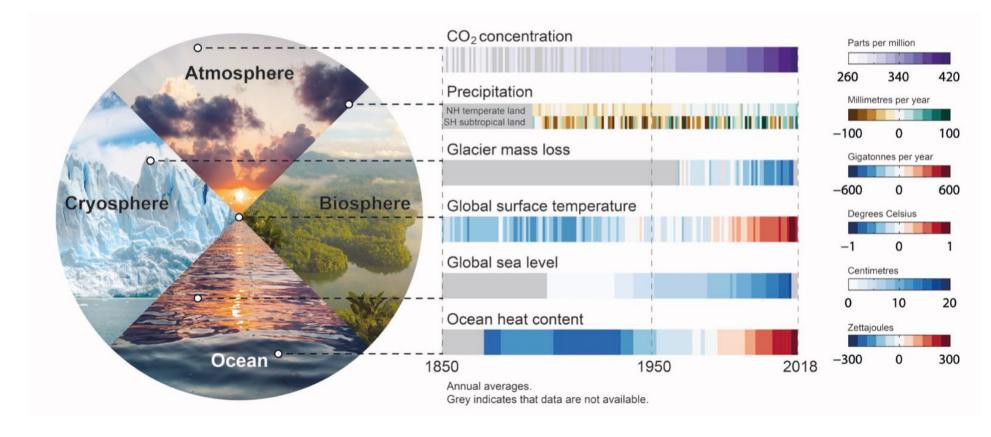


Figure 1.4 Working Group I, Sixth Assessment Report



Human activities have unequivocally caused climate change

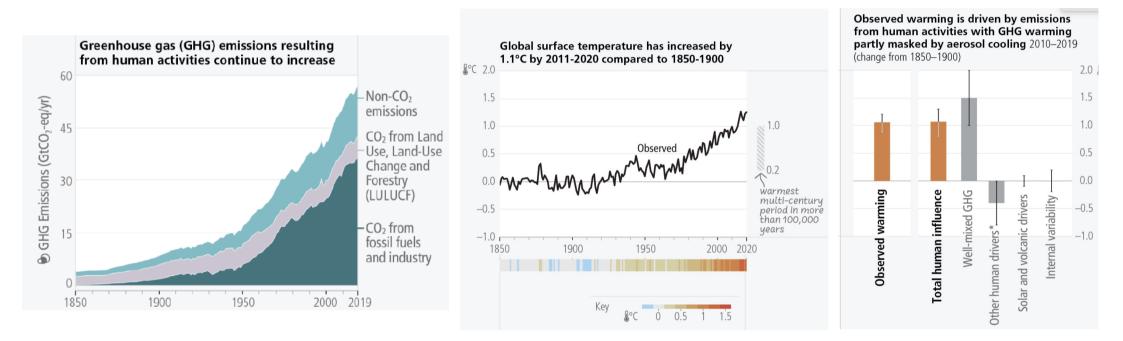
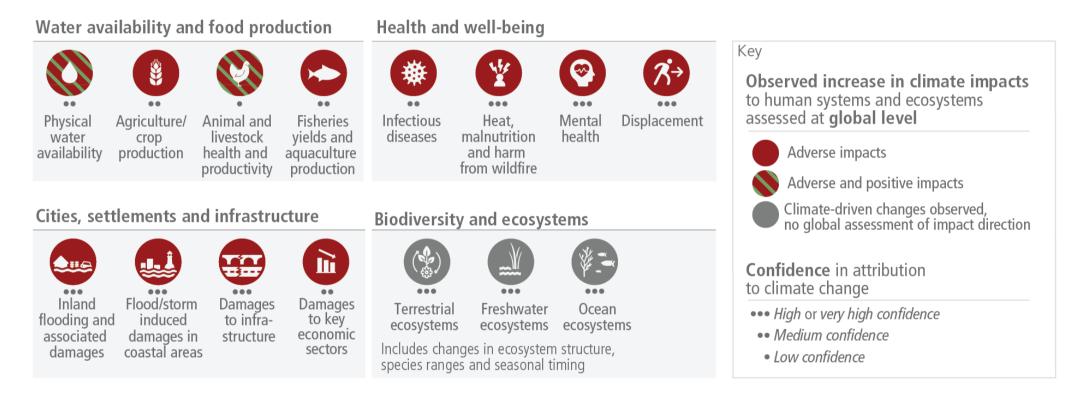


Figure 2.1a, c, d Synthesis Report of the Sixth Assessment Report



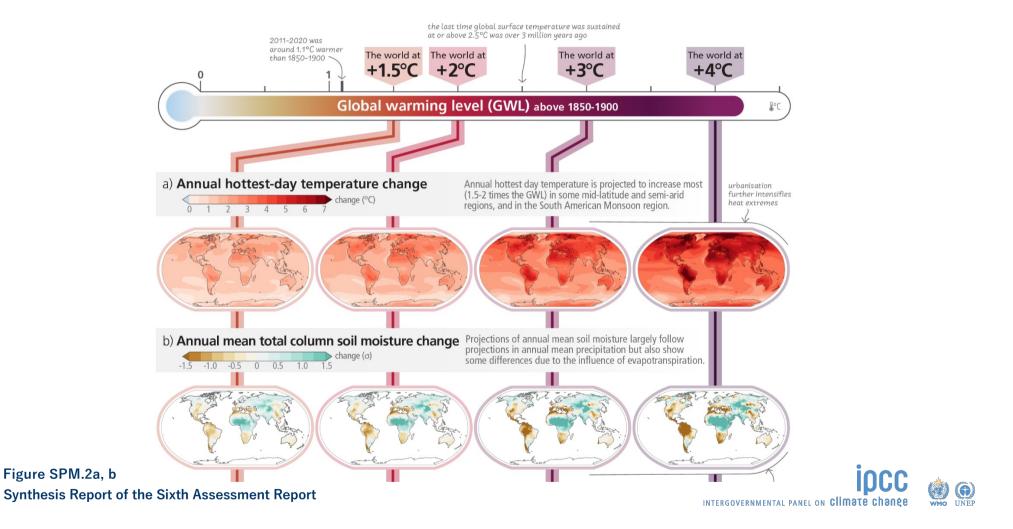
Observed widespread and substantial impacts and related losses and damages attributed to climate change



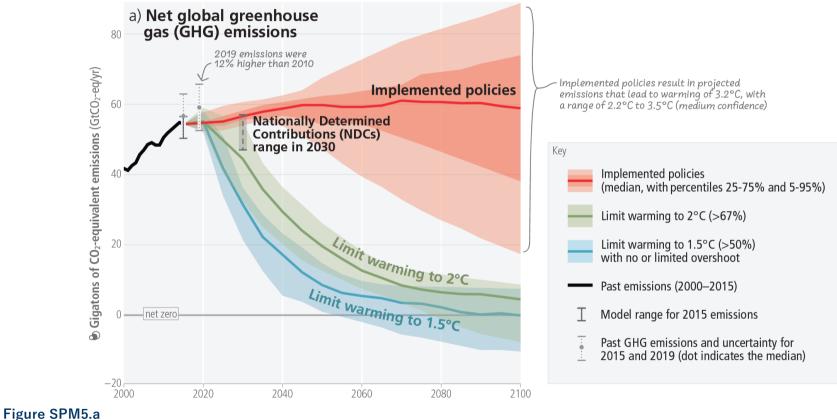




With every increment of global warming, regional changes in mean climate and extremes become more widespread and pronounced



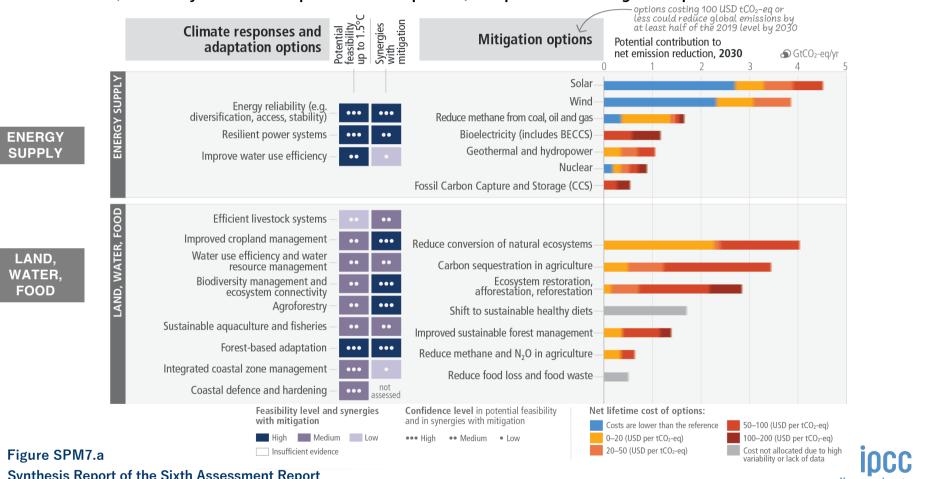
Limiting warming to 1.5° C and 2° C requires immediate, rapid and deep reductions in greenhouse gas emissions in all sectors



Synthesis Report of the Sixth Assessment Report



There are multiple opportunities for scaling up climate action



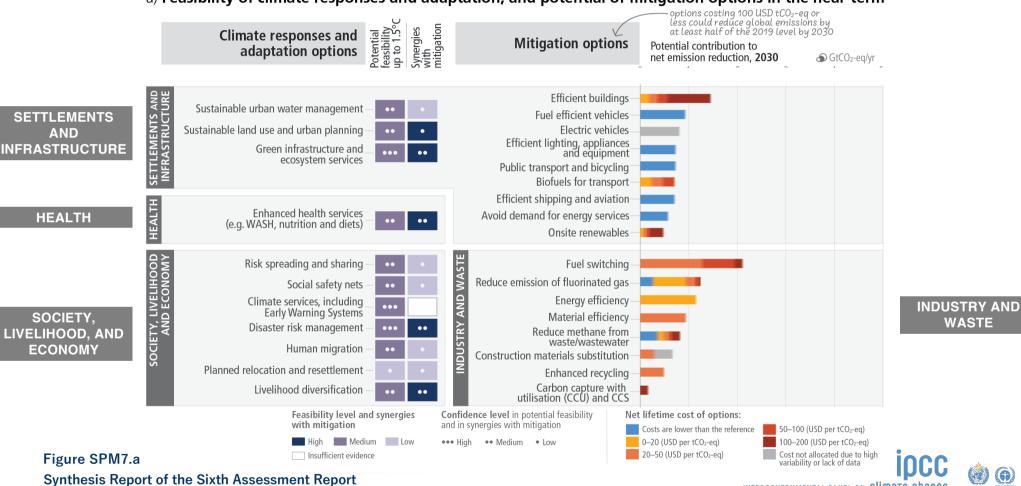
a) Feasibility of climate responses and adaptation, and potential of mitigation options in the near-term

Synthesis Report of the Sixth Assessment Report

INTERGOVERNMENTAL PANEL ON Climate chance

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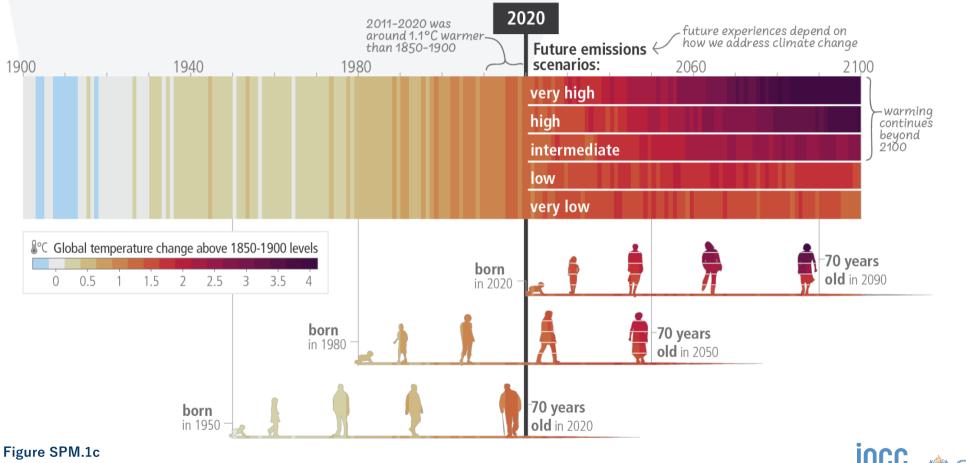
There are multiple opportunities for scaling up climate action



a) Feasibility of climate responses and adaptation, and potential of mitigation options in the near-term

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The extent to which current and future generations will experience a hotter and different world depends on choices now and in the near term



Synthesis Report of the Sixth Assessment Report

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https://www.ipcc.ch

AR6 Synthesis Report

https://www.ipcc.ch/report/sixth-assessment-report-cycle/

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