

# Regional climate change aspects

## Key findings from the 2021 IPCC climate report

Valérie Masson-Delmotte  
Panmao Zhai

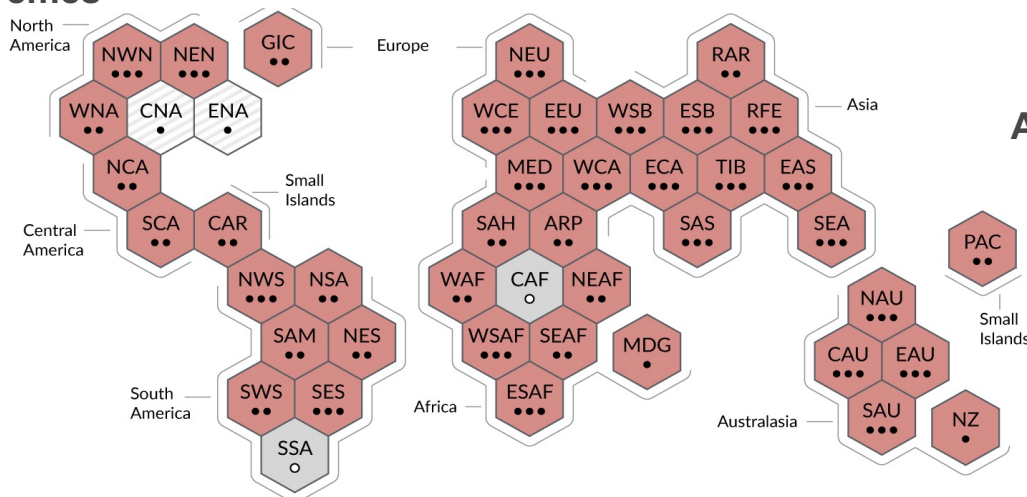
[www.ipcc.ch/report/ar6/wg1](https://www.ipcc.ch/report/ar6/wg1)



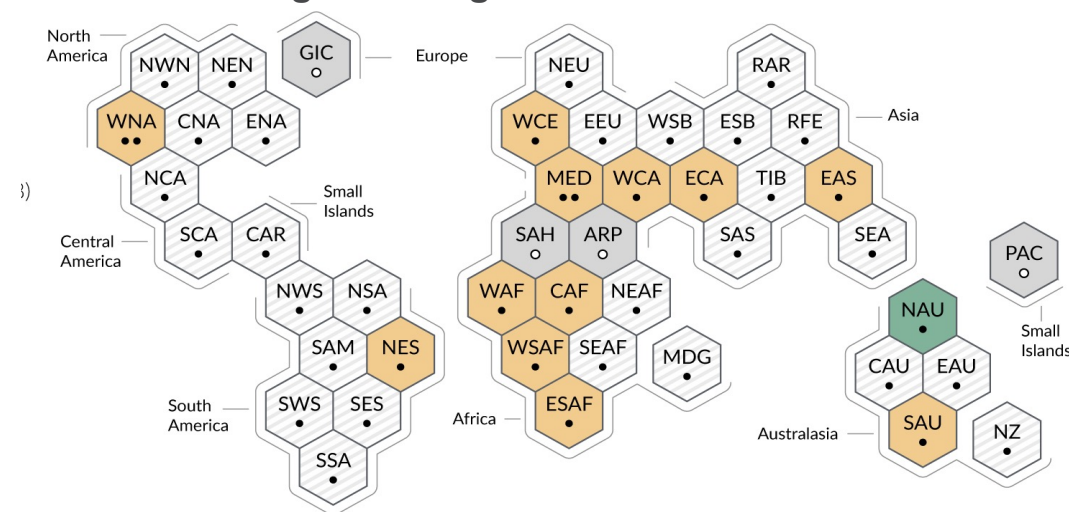
14,000 assessed scientific publications  
234 authors from 65 countries  
78,000+ review comments

## Climate change is already affecting every inhabited region across the globe, with human influence contributing to many observed changes in weather and climate extremes

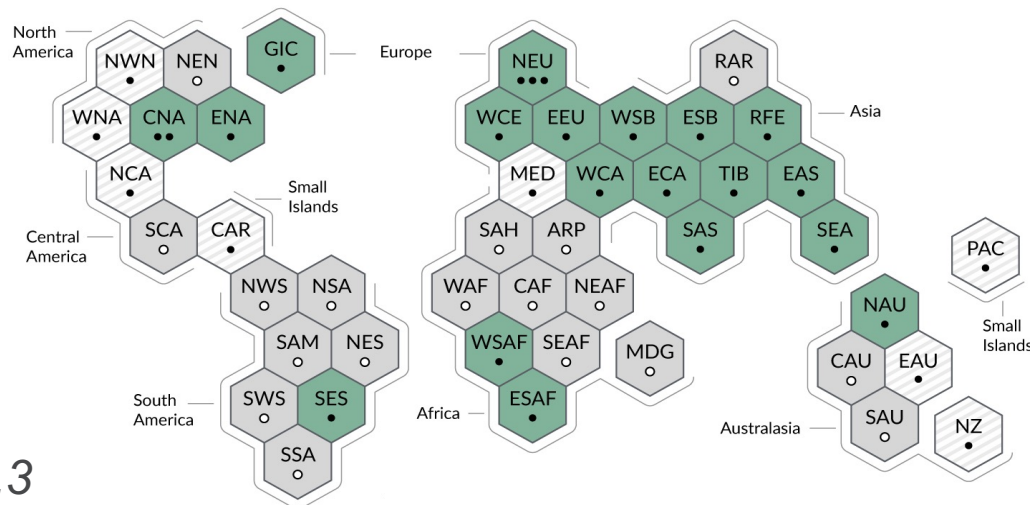
### hot extremes



### Agricultural and ecological drought



### heavy precipitation



#### Type of observed change

Colour = Increase/decrease

Low agreement in the type of change

Limited data and/or literature

#### Confidence in human contribution to the observed change

High

Medium

Low due to limited agreement

Low due to limited evidence

Figure SPM.3

# Multiple climatic impact-drivers will change in all regions of the world

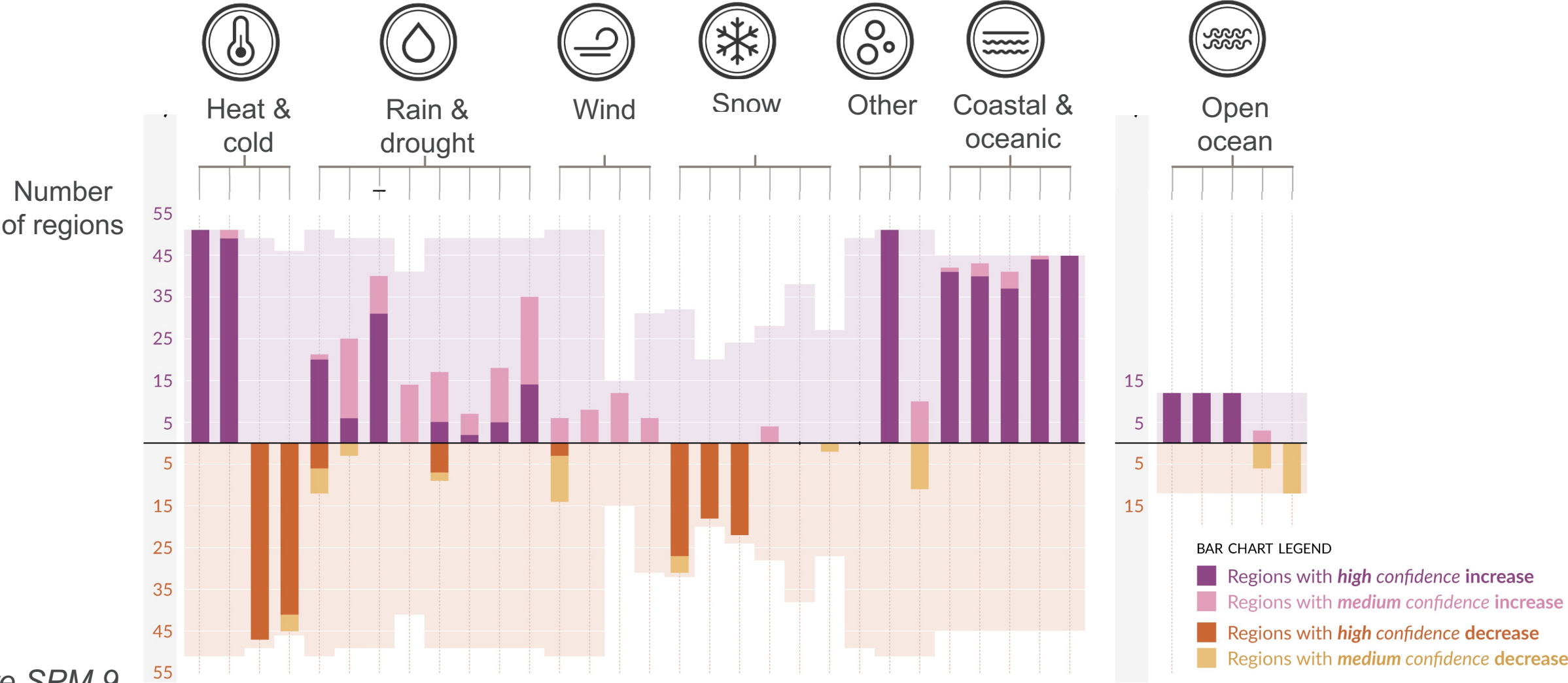
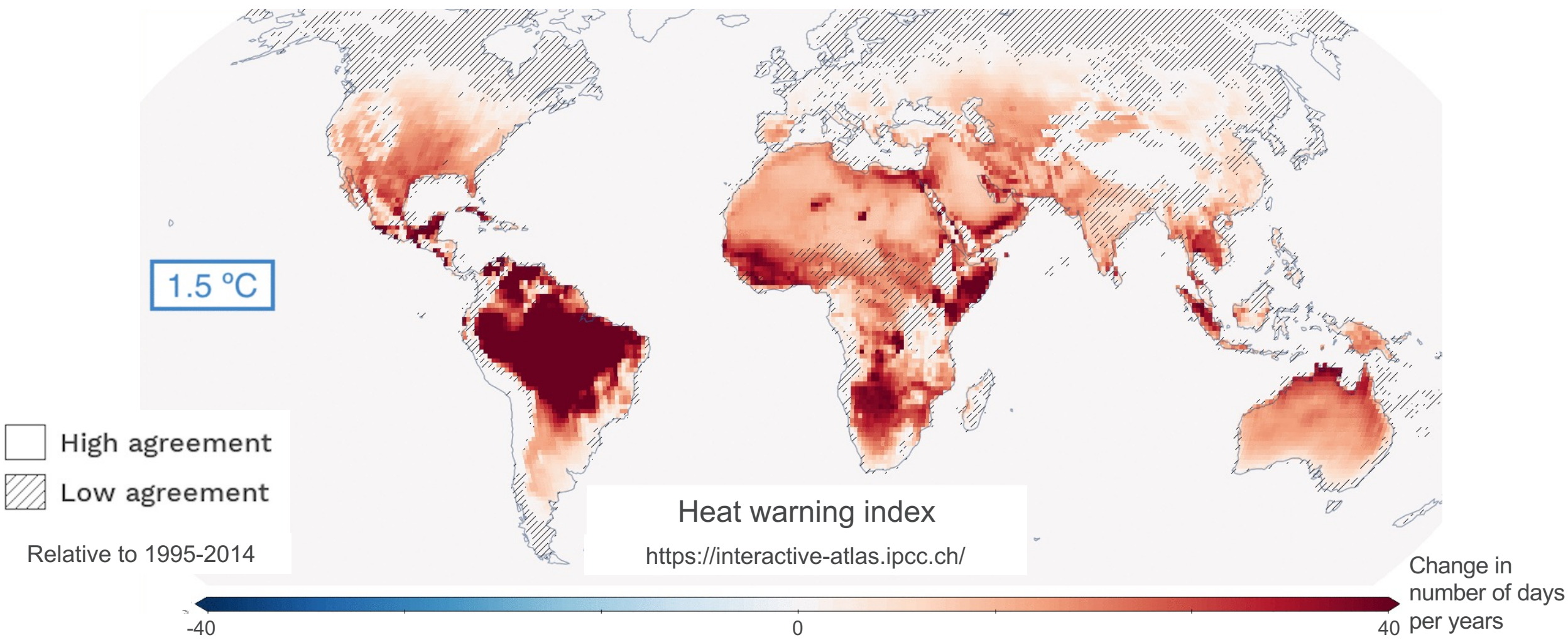


Figure SPM.9

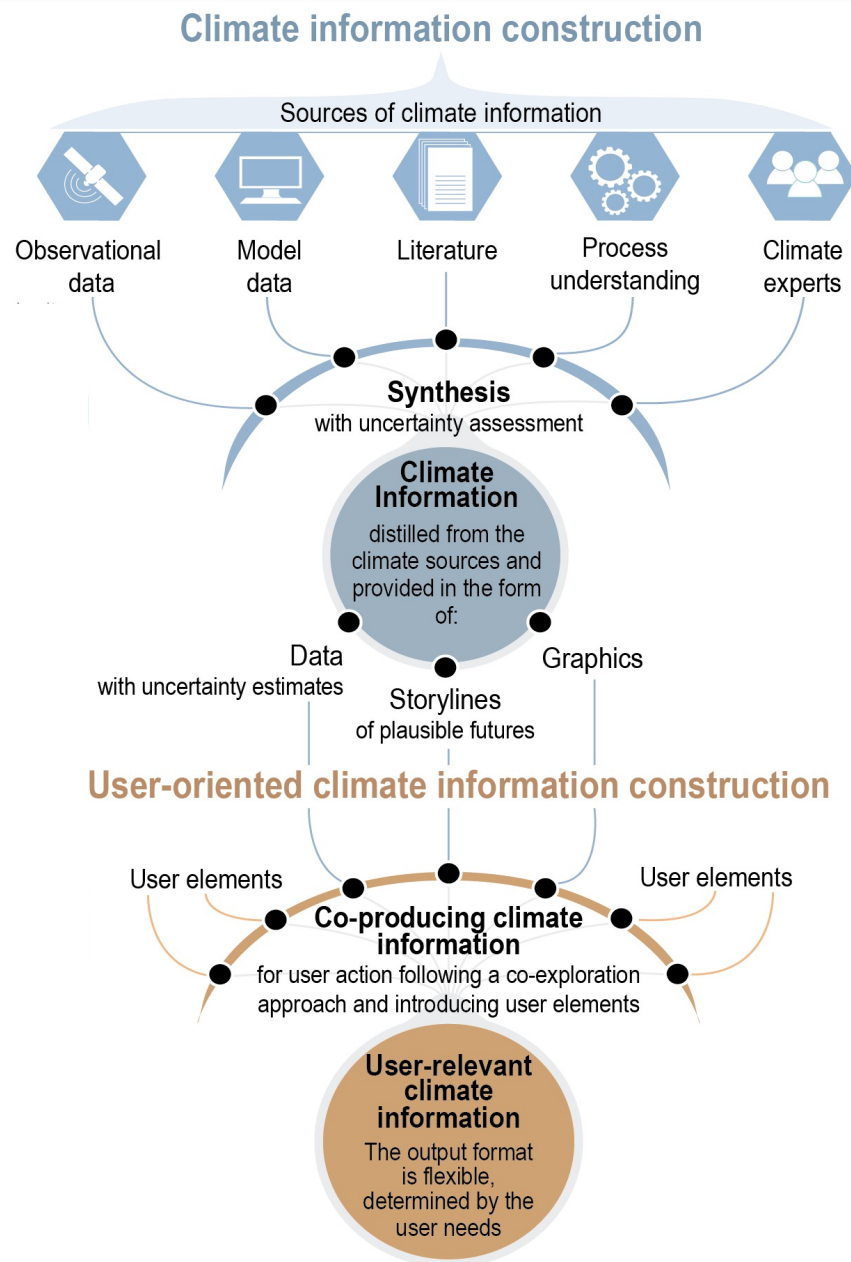


**Changes in several climatic impact-drivers would be more widespread at 2°C compared to 1.5°C global warming and even more widespread and/or pronounced for higher warming levels.**





**Multiple lines of evidence are distilled for the co-production of user-relevant regional climate information framed by context and values**



WGI assessment of climate information

Interactive Atlas

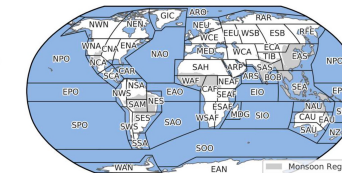
WGII assessment of risks and impacts

Users and partners, including climate services

# SIXTH ASSESSMENT REPORT

Working Group I – The Physical Science Basis

ipcc  
INTERGOVERNMENTAL PANEL ON climate change



SUMMARY FOR POLICYMAKERS (SPM)

TECHNICAL SUMMARY (TS)

FULL REPORT

INTERACTIVE ATLAS

FREQUENTLY ASKED QUESTIONS (FAQs)

REGIONAL FACT SHEETS

Large-scale climate change

Understanding the climate system response

Regional climate information

Africa

Asia

Australasia

Central and South America

Europe

Mountains

North and Central America

Ocean

Polar regions

Small Islands

Urban areas

# Thank you

## More Information:

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