

06 June 2023

# **AR6 Climate Change 2021: *Summary for Actuaries* *Summary for All***

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# SIXTH ASSESSMENT REPORT

Working Group I – The Physical Science Basis

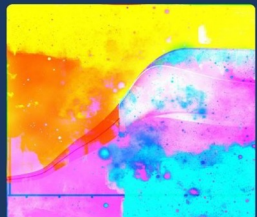
ipcc

INTERGOVERNMENTAL PANEL ON climate change



## 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



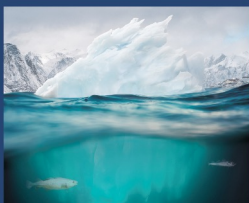
WG I | WG II | WG III



## The Ocean and Cryosphere in a Changing Climate

This Summary for Policymakers was formally approved at the Second Joint Session of Working Groups I and II of the IPCC and accepted by the 118th Session of the IPCC, Pirbright, UK, 24th September 2019

Summary for Policymakers



WG I | WG II



## 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

Summary for Policymakers

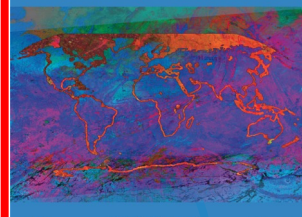


WG I | WG II | WG III



## Climate Change 2021 The Physical Science Basis

Summary for Policymakers



WG I

Working Group I Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change



## Climate Change 2022 Impacts, Adaptation and Vulnerability

Summary for Policymakers



WG II

Working Group II Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change



## Climate Change 2022 Mitigation of Climate Change

Summary for Policymakers



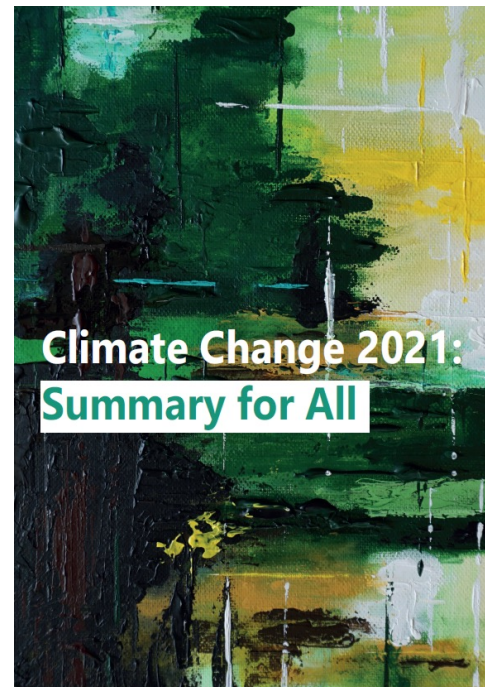
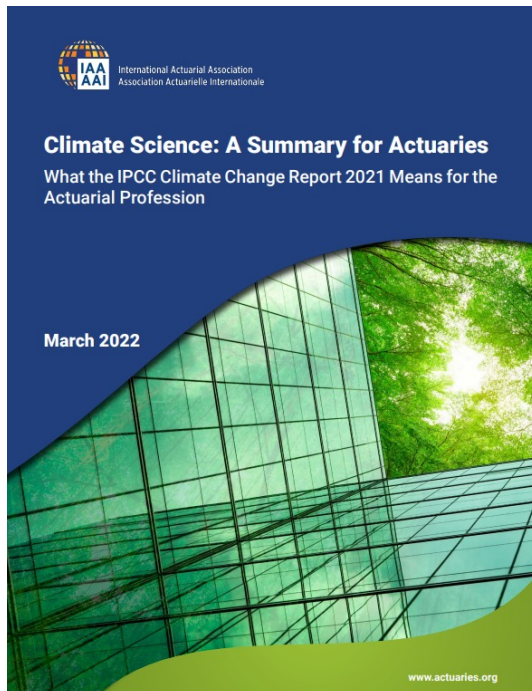
WG III

Working Group III Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change



# Synthesis Report

## Summary for Actuaries



Summary for All

## Tips for communicating your main work findings

- Don't just know your audience, ask them questions!
- Plan (multiple) iterations / reviews of the draft text
- Include a mixture of text and visuals



## Who are your audience?

### Summary for Actuaries

International Association of the associations of Actuaries (IAA)

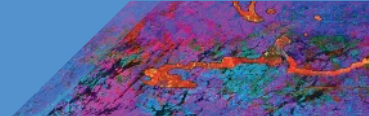
<https://www.actuaries.org/iaa>



**Non-scientists** who have an interest in climate change

Summary for All





## Make sure you review your drafts!

### Summary for Actuaries

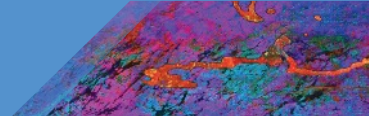
*“A few more sentences explaining the “so what” should be added”*

*“Define: internal variability vs natural variability”*

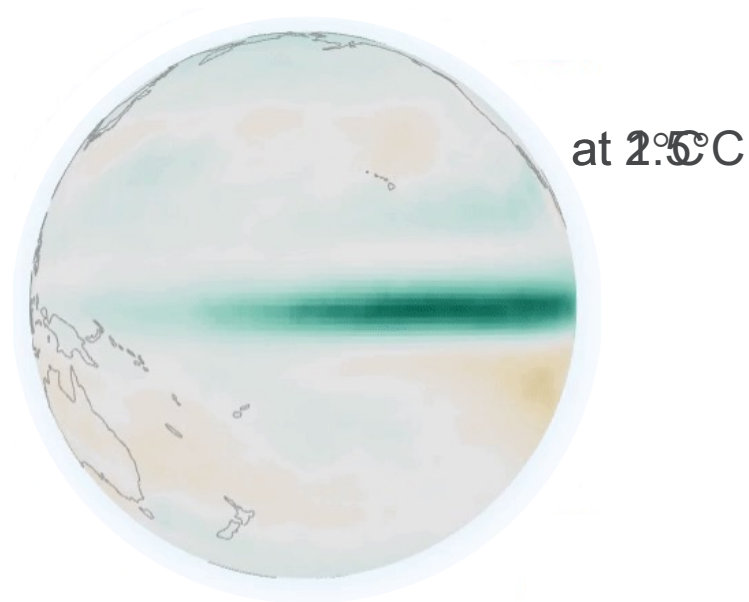
*“To be honest, if I hadn’t committed to you that I would read and provide feedback, I’m not sure I would have got past the first page.”*

Summary for All



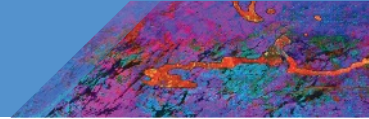


## Data



**Extreme rainfall intensifies by 7% for each additional 1°C**

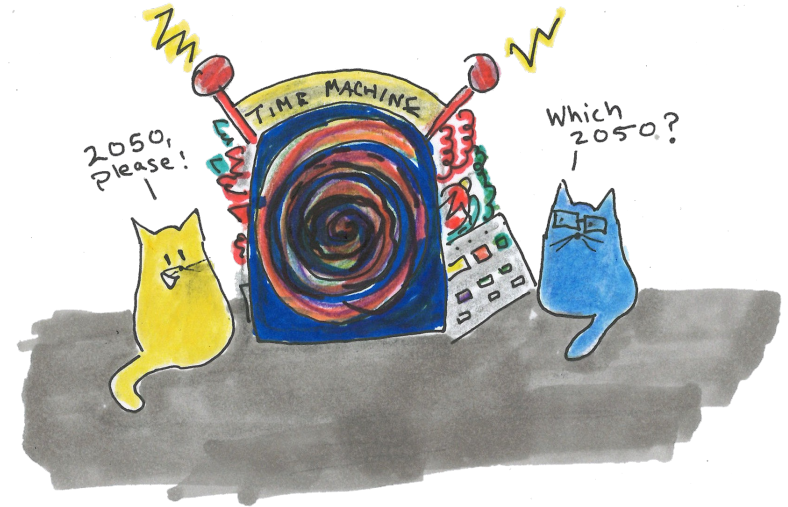
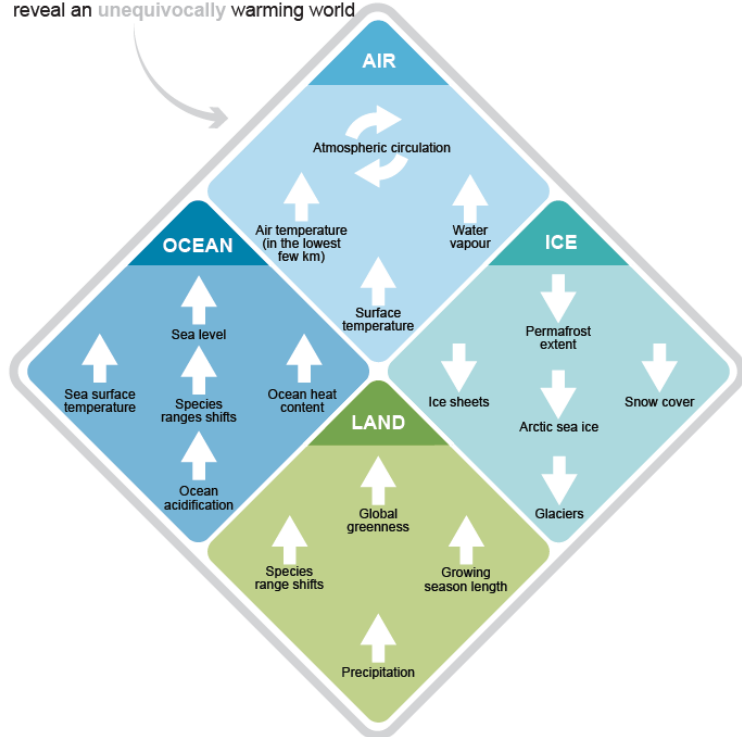


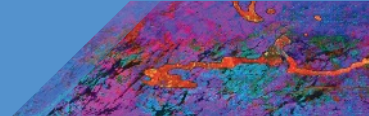


## Use a mixture of text and visuals to communicate

### What is the evidence for climate change?

Taken together, observed changes in the climate system since the late 19th century reveal an **unequivocally** warming world





## Are translations needed into other languages?



### Climate Change 2021: Summary for All

#### Summary for All


This document is a plain-language summary of the IPCC Working Group I climate change report released in August 2021. It was written by members of the Working Group I Technical Support Unit (WGI TSU) and several authors of the report. Additionally, many volunteers offered feedback and guidance along the way.

 [DOWNLOAD SUMMARY](#)

 [DOWNLOAD GRAPHICS](#)


 [DOWNLOAD CARTOONS](#)

#### Translations

 عربي


 中国人

 ESPAÑOL

 FRANÇAIS

 DEUTSCH

 ITALIANO

 NORSK

 日本語

**Hindi & Bengali  
coming soon!**

# Thank you.

More Information:

**Summary for Actuaries:**

<https://www.ipcc.ch/report/ar6/wg1/resources/external-resources/>

**Summary for All:**

<https://www.ipcc.ch/report/ar6/wg1/resources/summary-for-all/>



#ClimateReport #IPCC

## Report key findings

- Recent changes in the climate are widespread, rapid, and intensifying, and unprecedented in thousands of years.
- It is indisputable that human activities are causing climate change, making extreme climate events, including heat waves, heavy rainfall, and droughts, more frequent and severe.
- Climate change is already affecting every region on Earth, in multiple ways. The changes we experience will increase with further warming.
- There's no going back from some changes in the climate system. However, some changes could be slowed and others could be stopped by limiting warming.
- Unless there are immediate, rapid, and large-scale reductions in greenhouse gas emissions, limiting warming to 1.5°C and even 2°C will be beyond reach.
- To limit global warming, strong, rapid, and sustained reductions in CO<sub>2</sub>, methane, and other greenhouse gases are necessary. This would not only reduce the consequences of climate change but also improve air quality.