

# IPCC Sixth Assessment Report

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## Climate Change 2021: The Physical Science Basis

The Working Group I contribution to the Sixth Assessment Report addresses the most up-to-date physical understanding of the climate system and climate change, bringing together the latest advances in climate science.

### Summary for Policymakers

The Summary for Policymakers provides a high-level summary of the current state of the climate, how it is changing, the role of human influence, and possible climate futures.

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### Technical Summary

The Technical Summary provides a synthesis of the key findings of the Report and serves as a bridge

between the Summary for Policymakers and the chapters of the full report.

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## Full Report

The 13 chapters of the Working Group I report provide a comprehensive assessment of the current evidence on the physical science of climate change.

Coming soon

[!\[\]\(de95854c7ee024cfadc48187bbb781b2\_img.jpg\) PRESS RELEASE](#)[!\[\]\(3211b5d1d968fc1665909b34f9f16010\_img.jpg\) PRESENTATIONS/MULTIMEDIA](#)[!\[\]\(6059a5aa8b4ca7bb793408023d6c6e42\_img.jpg\) DATA AND CODE ACCESS](#)

## Frequently Asked Questions

The Frequently Asked Questions explain important aspects of the report for a broad audience. They are related to the specific Chapters where they appear, but can be relevant to multiple Chapters.

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## Fact Sheets

These outreach products provide an entry point for information relevant to regions and sectors. They are fully traceable to the underlying report and Interactive Atlas.

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## Interactive Atlas

The novel AR6 WGI Interactive Atlas allows for a flexible spatial and temporal analysis of both data-driven climate change information and assessment findings.

[LAUNCH](#)

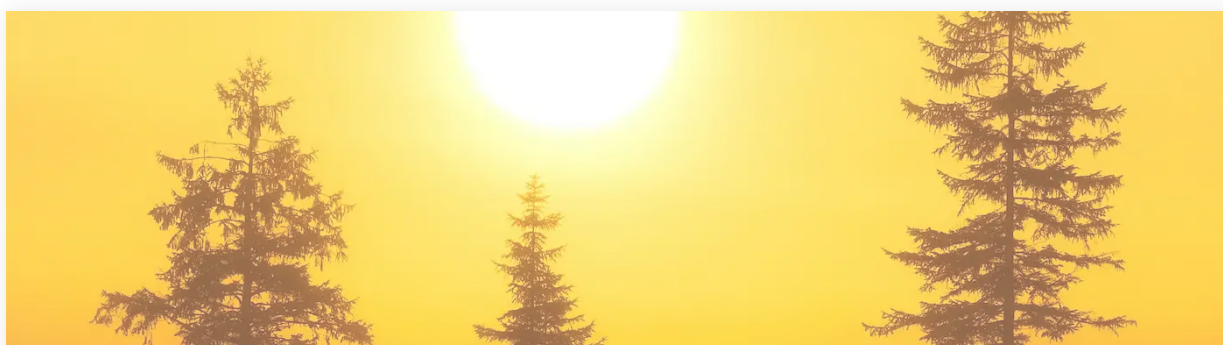
## Chapters



### CHAPTER 1

#### Framing, Context and Methods

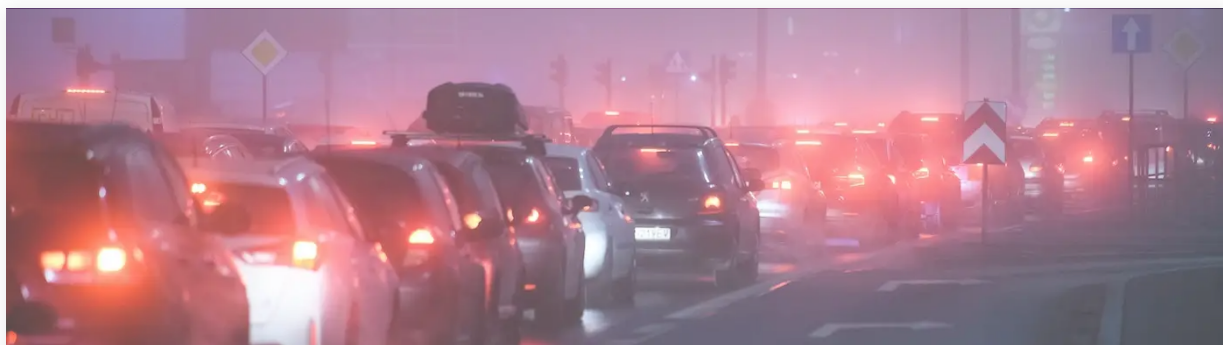
Chapter 1 introduces the WGI contribution to AR6, its framing and context, and the methods used in the report.

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### CHAPTER 2

#### Changing State of the Climate System

Chapter 2 provides evidence for large-scale past changes in selected components of the climate system.

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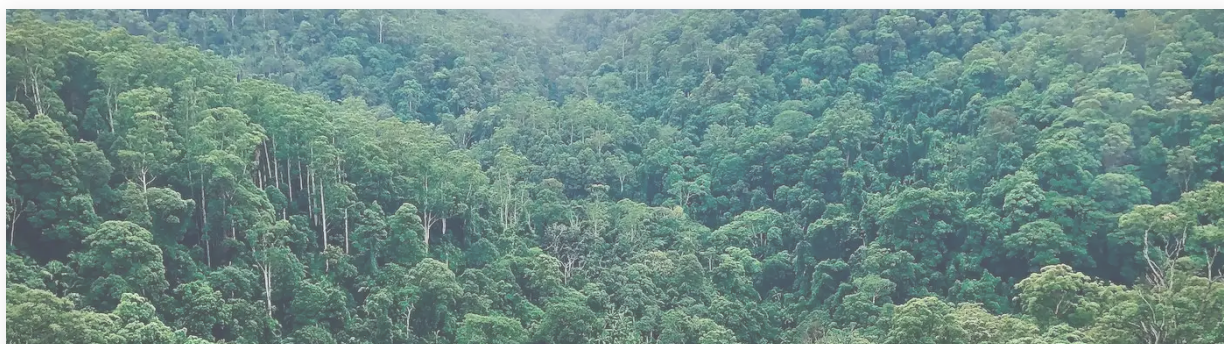
### CHAPTER 3

#### Human Influence on the Climate System

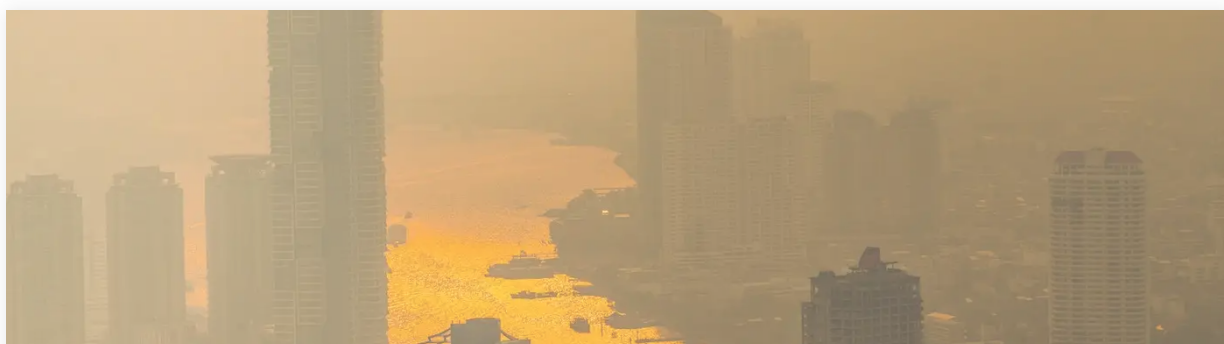
Chapter 3 assesses human influence on the climate system and evaluates climate models on large scales.

[DOWNLOAD](#)**CHAPTER 4****Future Global Climate: Scenario-based Projections and Near-term Information**

Chapter 4 assesses simulations of future global climate change over the near term, mid- to long term, and out to year 2300.

[DOWNLOAD](#)**CHAPTER 5****Global Carbon and other Biogeochemical Cycles and Feedbacks**

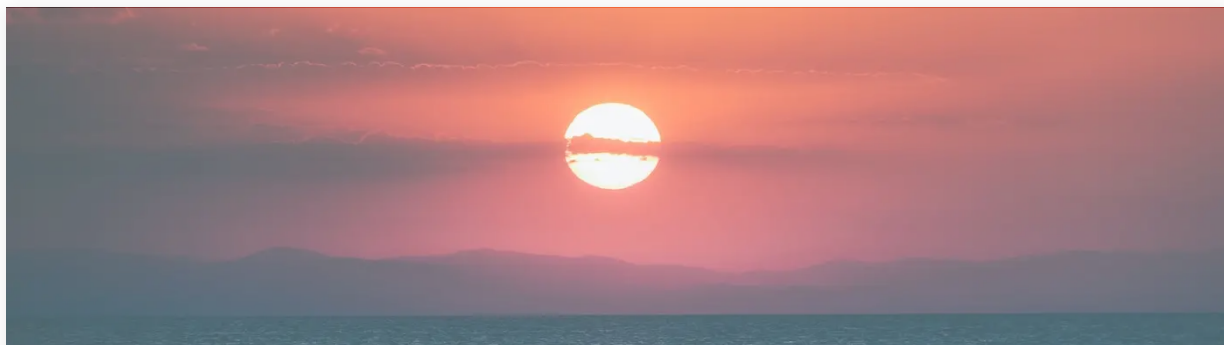
Chapter 5 identifies biogeochemical feedbacks with potentially significant climatic effects.

[DOWNLOAD](#)**CHAPTER 6****Short-lived Climate Forcers**

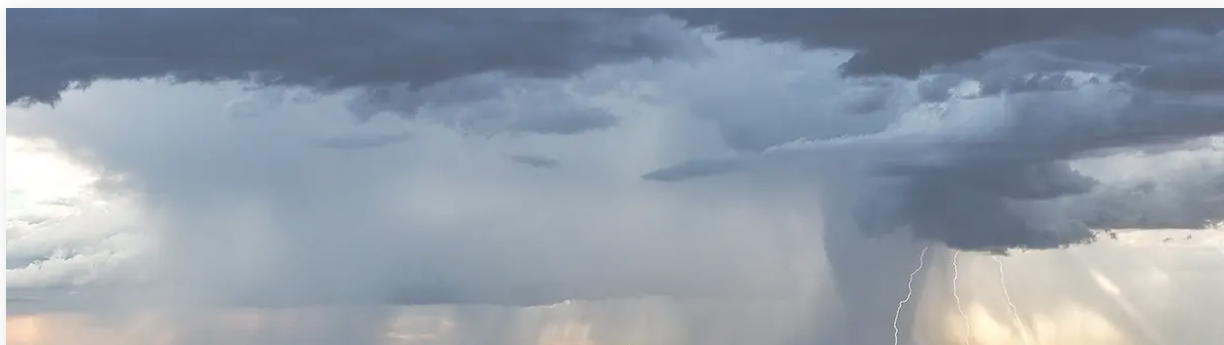
Chapter 6 discusses the evolution of reactive compounds and their effects on climate and global air quality.

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**CHAPTER 7****The Earth's Energy Budget, Climate Feedbacks, and Climate Sensitivity**

Chapter 7 assesses the major physical processes affecting the evolution of Earth's energy budget and the associated changes in temperature and the climate system.

[DOWNLOAD](#)**CHAPTER 8****Water Cycle Changes**

Chapter 8 explores the changing water cycle and its sensitivity to multiple drivers.

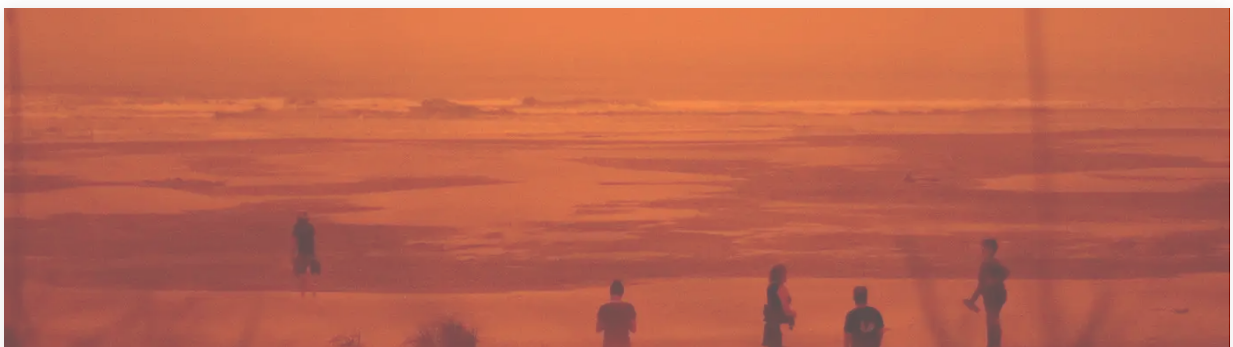
[DOWNLOAD](#)**CHAPTER 9****Ocean, Cryosphere and Sea Level Change**

Chapter 9 assesses the physical processes underlying global and regional changes in the ocean, cryosphere and sea level.

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**CHAPTER 10****Linking Global to Regional Climate Change**

Chapter 10 assesses the foundations of how regional climate information is distilled from multiple, sometimes contrasting, lines of evidence.

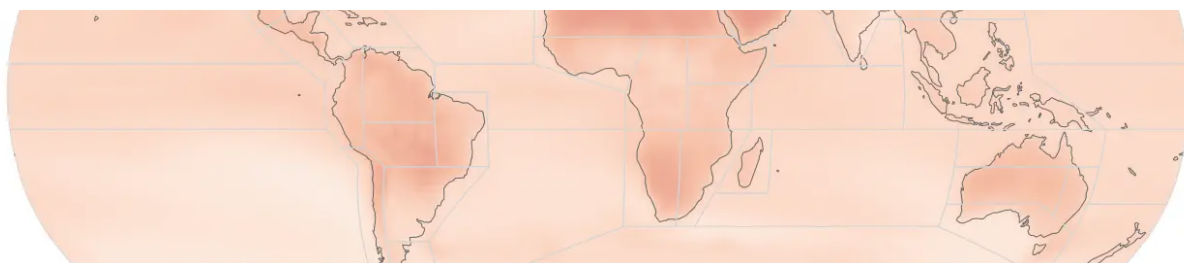
[DOWNLOAD](#)**CHAPTER 11****Weather and Climate Extreme Events in a Changing Climate**

Chapter 11 assesses observed changes in weather and climate extremes, their attribution to human influence, and future projections at global warming levels of +1.5°C, +2°C and +4°C.

[DOWNLOAD](#)**CHAPTER 12****Climate Change Information for Regional Impact and for Risk Assessment**

Chapter 12 assesses the climate information relevant to regional impact and risk assessment.

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**ATLAS**

The Atlas provides a region-by-region assessment of climate change and includes an innovative online tool, the Interactive Atlas.

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## Front Matter, Annexes, and Index

**FRONT MATTER**

Includes Foreword, Preface, Dedication, and Table of Contents

[DOWNLOAD](#)**ANNEX I**

Observational Products

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Models

[DOWNLOAD](#)**ANNEX III**

Radiative Forcing

[DOWNLOAD](#)**ANNEX IV**

Modes of Variability

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**Monsoons**[DOWNLOAD](#)**ANNEX VI****Climatic Impact-Drivers and Extreme Indices**[DOWNLOAD](#)**ANNEX VII****Glossary**[DOWNLOAD](#)**ANNEX VIII****Acronyms**[DOWNLOAD](#)**ANNEX IX****List of Contributors**[DOWNLOAD](#)**ANNEX X****Expert Reviewers**[DOWNLOAD](#)**INDEX**

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