

Sixth Assessment Report, Climate Change 2021: The Physical Science Basis

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Introduction

The Physical Science Basis report provided the latest physical understanding of the climate system and climate change.

Including

1. The Current State of the Climate and the role of human influence.
2. The state of knowledge about possible climate futures.
3. Climate information relevant to regions and sectors.
4. Limiting human-induced climate.

Publisher:

- Intergovernmental Panel for Environmental Changes (IPCC) Working Group 1

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Motivation:

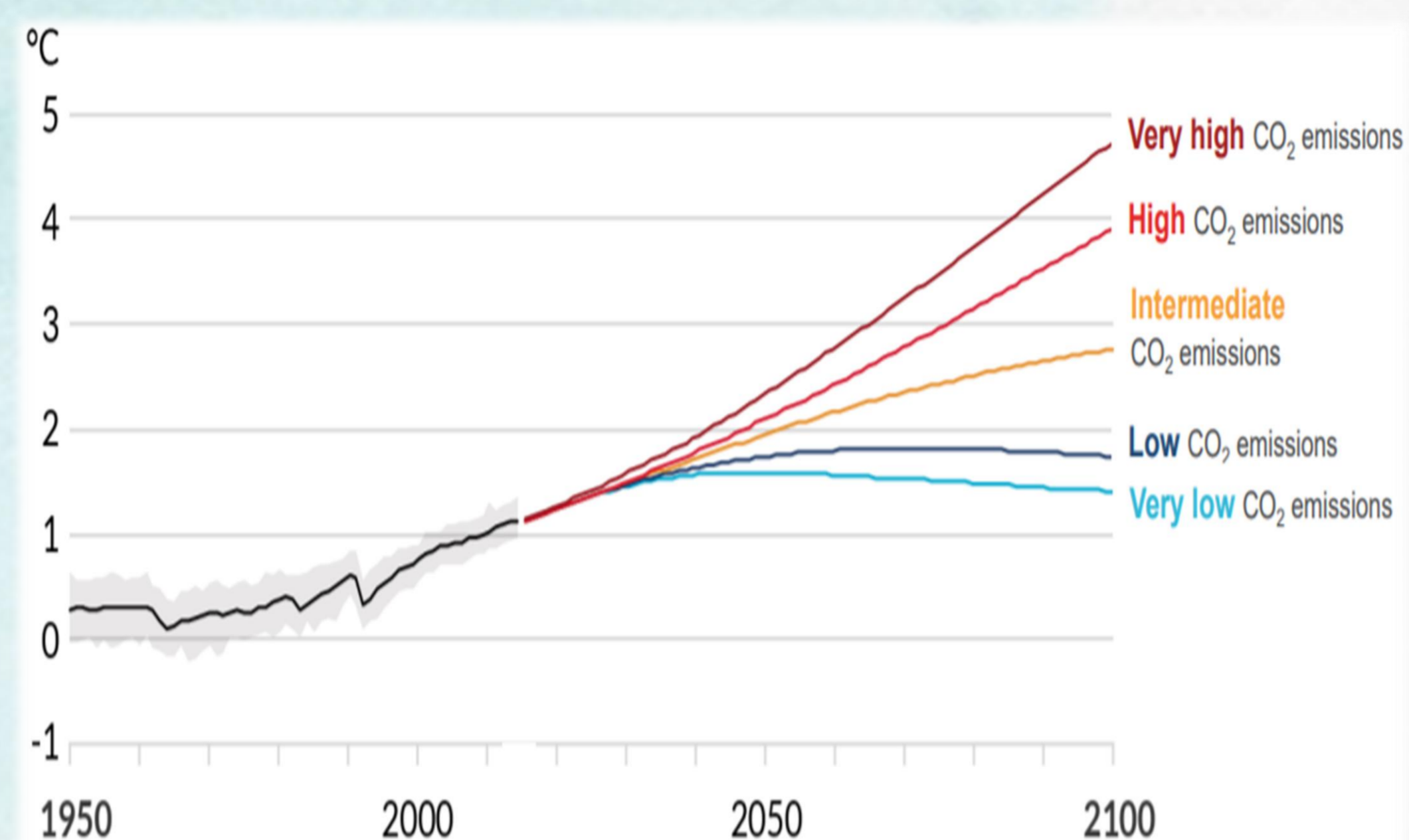
- A complete assessment of the climate change situation **for policy maker**.

Methods: Data and Literature Analysis

- Bringing together the latest advances in climate science.
- Combining multiple lines of evidence from paleoclimate, observations, process understanding, and global & regional climate simulations.

Results

1. Recent changes in the climate are widespread, rapid, and intensifying, and **unprecedented in thousands of years**.
2. Unless there are immediate, rapid, and **large-scale reductions in greenhouse gas emissions**, limiting warming to 1.5°C will be beyond reach.
3. **Human activities** are a major contributor causing climate change, making extreme climate events, more frequent and severe.



Literature

- IPCC, 2021: Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report.(Resource: <https://www.ipcc.ch/report/ar6/wg1>)
- Headline Statements from the Summary for Policymakers

More Informaton

<https://reurl.cc/OkZjoy>

