



Inconvenient Truth 2.0

Ecole Polytechnique – Paris
3 October 2024

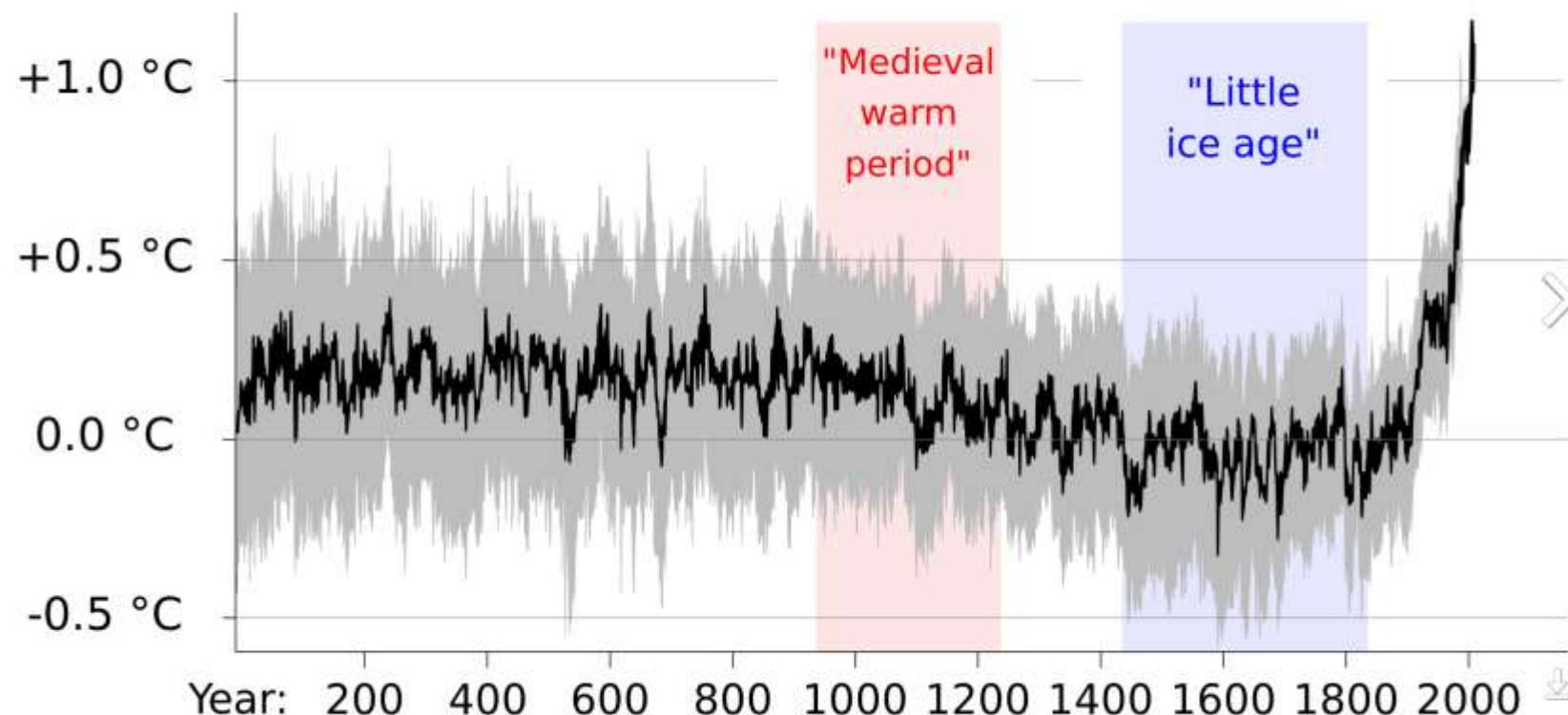
JANOS PASZTOR

Outline

- Definitions/Clarifications/Background
- The Climate Crisis
- Technology Issues
- Governance Issues
- Conclusions



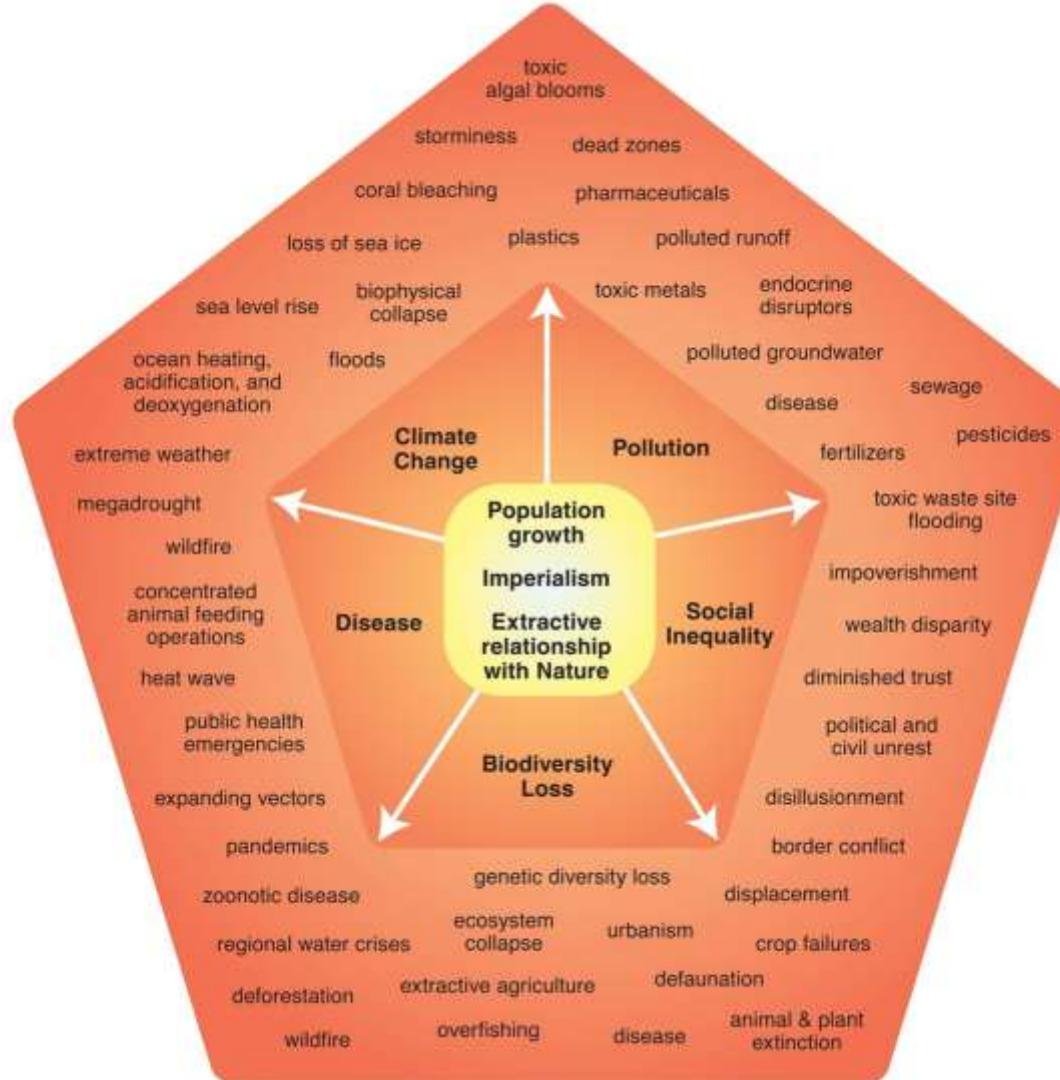
Global Average Temperature Change



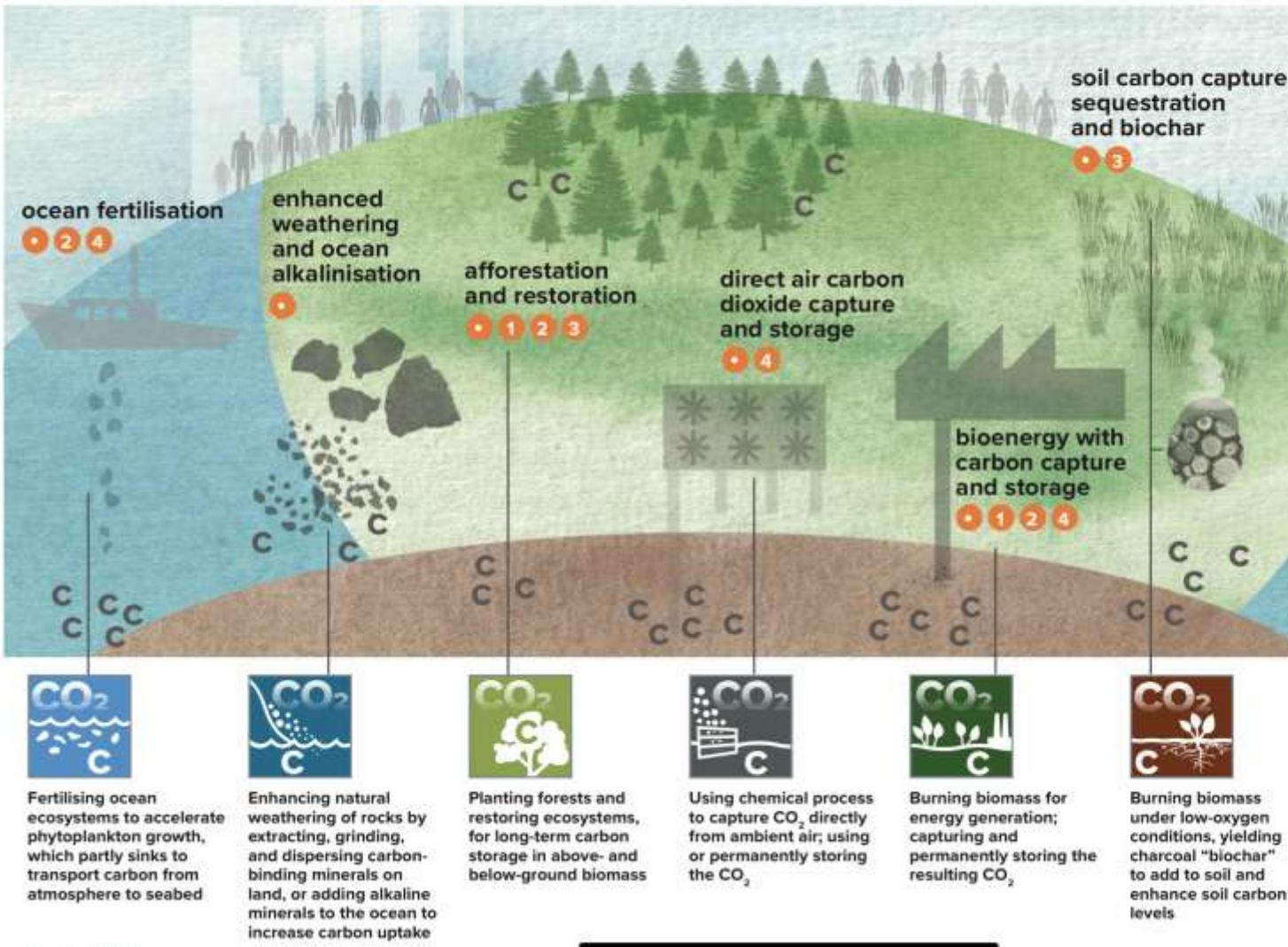
Temperature record of the last 2,000 years (Chart showing the so-called Medieval Warm Period and Little Ice Age were not planet-wide phenomena)

[More details](#)

The "polycrisis"



Governing Carbon Dioxide Removal



Shared Governance Challenges include:

- Measurement and reporting;
- Speed/scale issues;
- Potential public concerns, including transparency of information, accountability, involvement in decisions;
- Liability and compensation.

Specific Governance Challenges include:

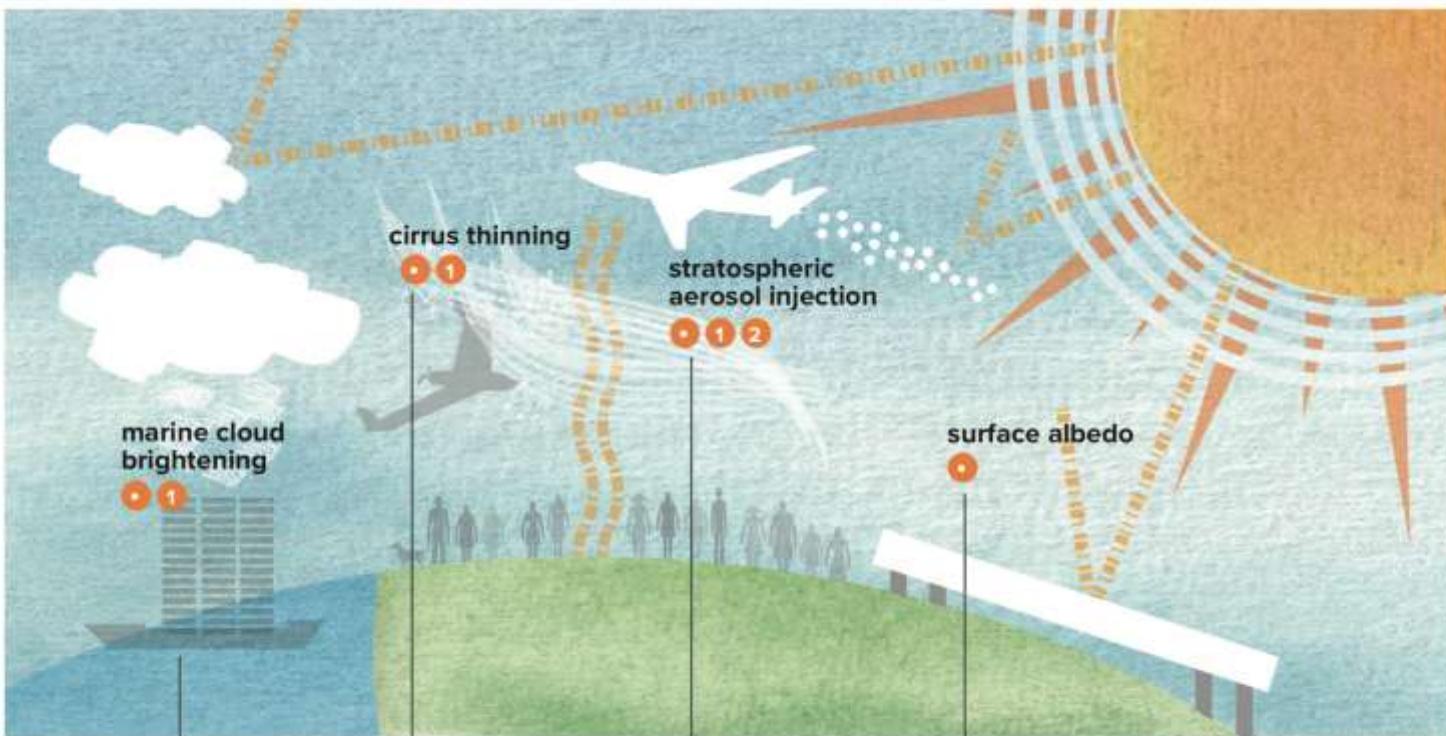
- Managing the competition for land use and related impacts on the SDGs at domestic and transboundary levels;
- Managing risks and potential implications for biodiversity;
- Addressing permanence of CO₂ isolated from atmosphere;
- High costs — land use, capital, deployment, energy — mean policy signals, e.g., price on carbon or other regulation, are needed.

C2G2

Carnegie Climate
Geoengineering
Governance Initiative

© 2023 Carnegie Climate Geoengineering Governance Initiative

Governing Solar Radiation Modification



Shared Governance Challenges include:

- Codes of conduct, guardrails and public policy direction for research;
- Assessing the risks and potential benefits to sustainable development in a risk-risk framework;
- Monitoring, attribution and management of risks and impacts;
- Potential public concerns, including transparency of information, accountability, involvement in decisions;
- Liability and compensation.

Specific Governance Challenges include:

- 1 Globally legitimate decision-making on whether or not to research; to consider for use; to decide whether or not to deploy;
- 2 Institutional guarantees against premature termination.

**C2
G2**

Carnegie Climate
Geoengineering
Governance Initiative

Thank you – merci!

Janos Pasztor
office@pasztor.net