



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Swiss Confederation

Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN
Division

Switzerland - Workshop under the structured expert dialogue of the 2013-2015 review

On inputs for Theme I: The adequacy of the long-term global goal (LTGG) in the light of the ultimate objective of the Convention



On Inputs (Summary)

- Article 2 of the Convention calls for scientific inputs



United Nations
Framework Convention on
Climate Change

- Scientific inputs need to be assessed
- IPCC provides the best input





Article 2

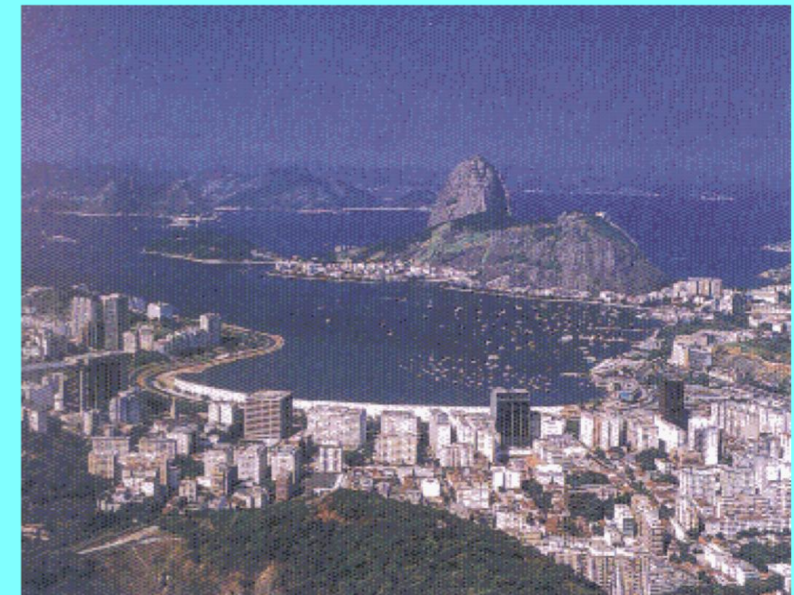


United Nations
Framework Convention on
Climate Change

Art. 2: The ultimate objective of the Convention is to prevent dangerous anthropogenic interference with the climate system. To this end, the highest priority given the greatest possible degree of consistency with the other provisions of the Convention, shall be given to achieving, as soon as practicable, stabilization of greenhouse gas concentrations in the atmosphere at a level that prevents dangerous anthropogenic interference with the climate system.

Such a level should be achieved within a time-frame sufficient:

- to allow ecosystems to adapt naturally to climate change
- to ensure that food production is not threatened, and
- to enable economic development to proceed in a sustainable manner.





Article 2

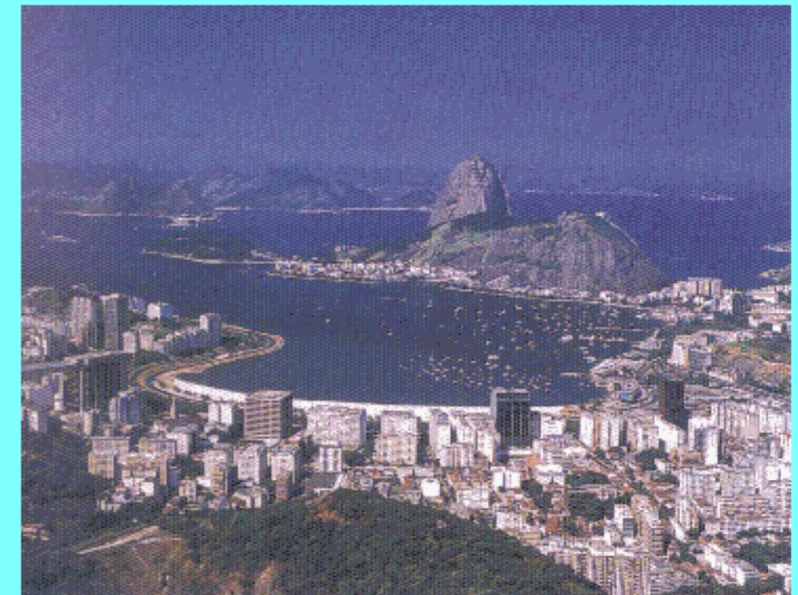


United Nations
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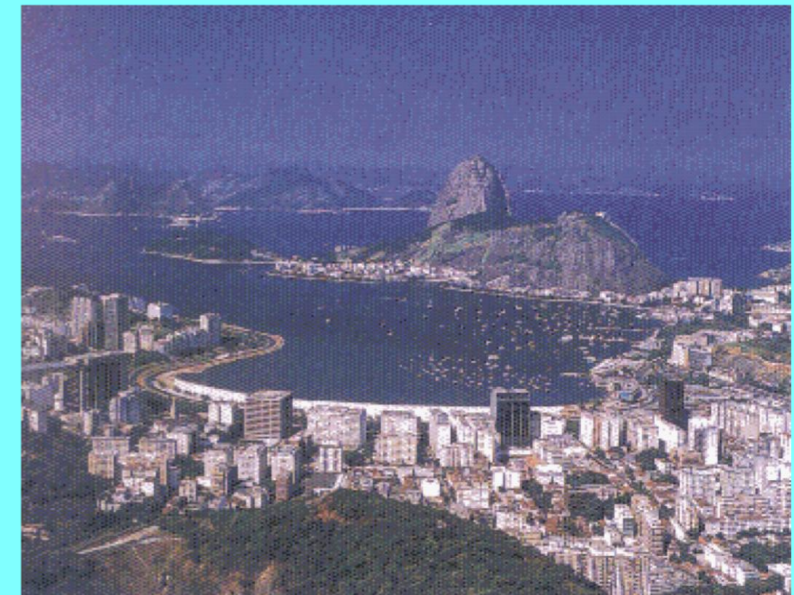


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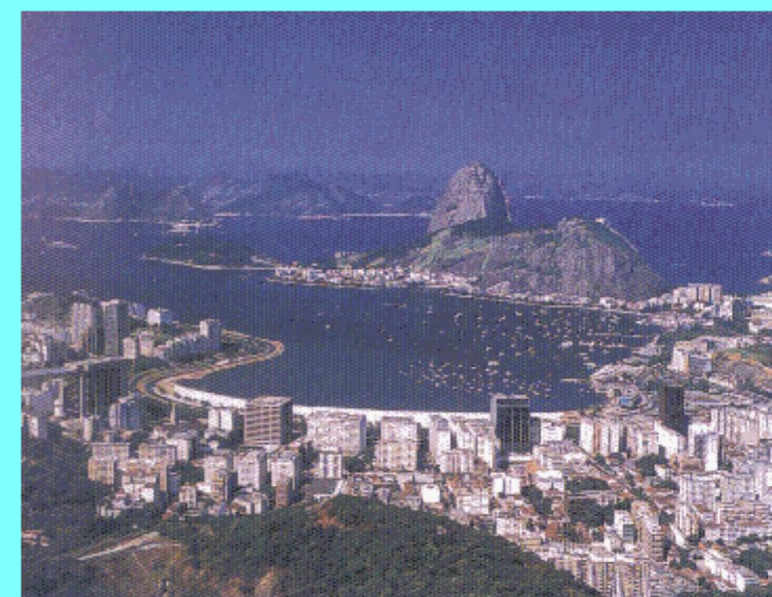


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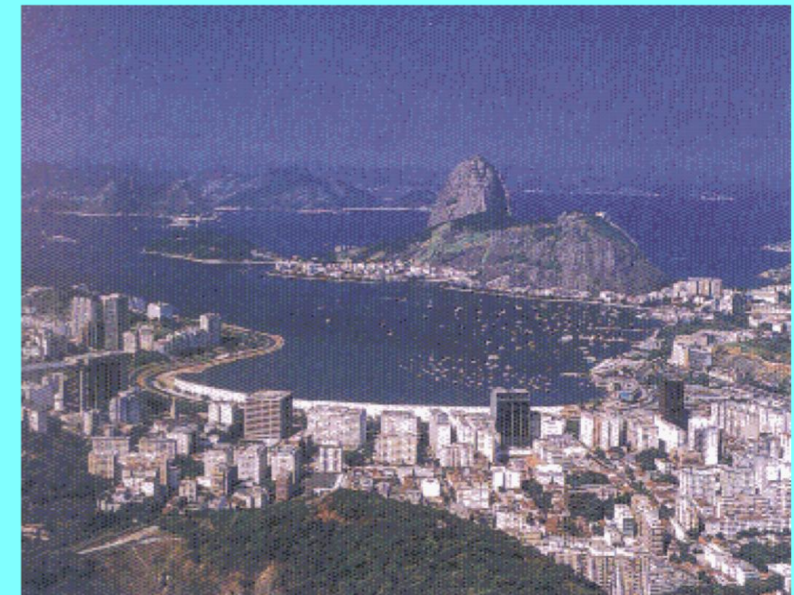


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A Little Story

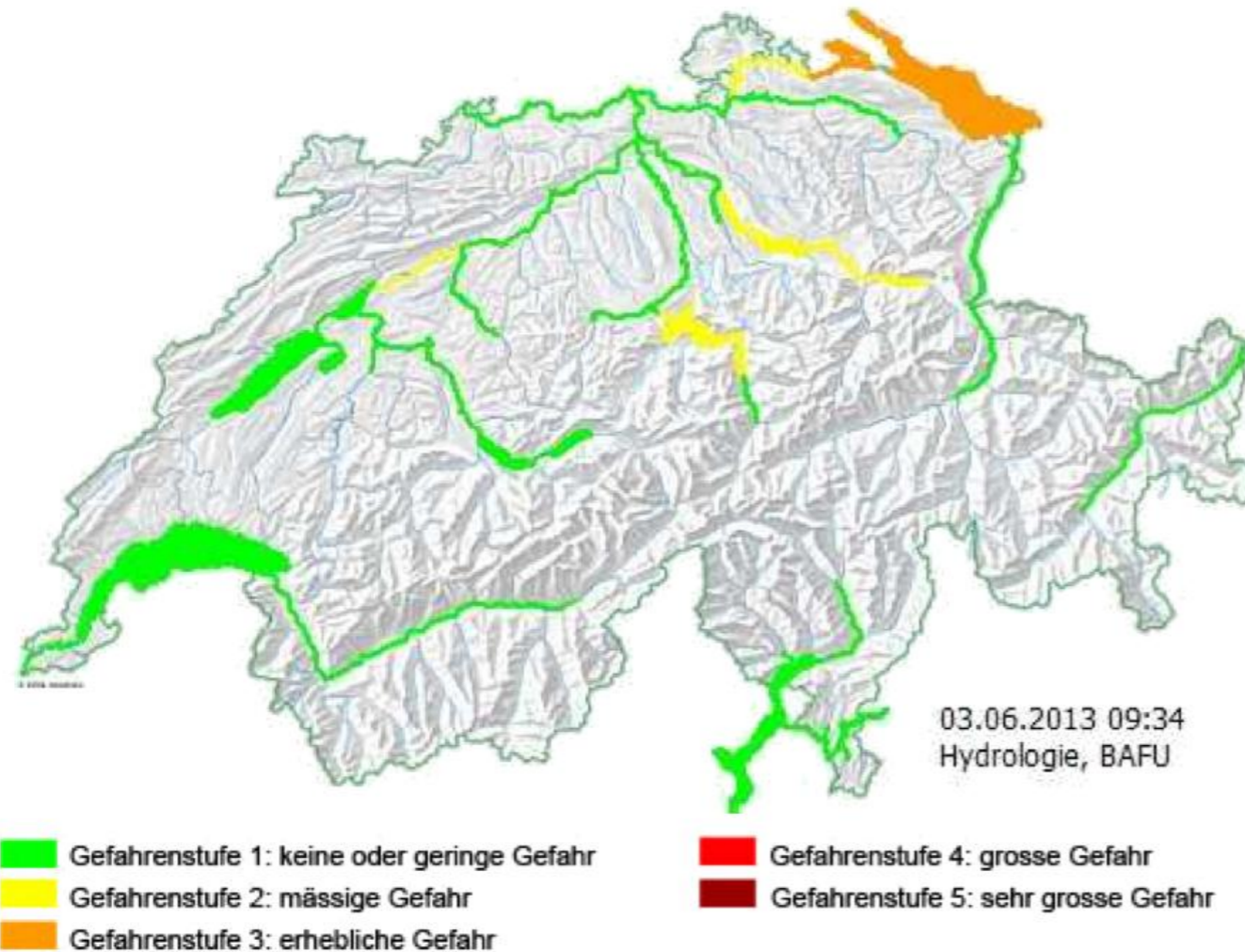
Flood risk alarm in Switzerland last Sunday





A Little Story

Yesterday, 4th June, 2013 St. Gotthard North-South train connection interrupted



Flood risk alarm in Switzerland



Science helps to put this event into perspective

Precipitation since Friday ~ 200 mm once per 100 years for St. Gallen



Flood alarm level 2 once per 2 - 10 years

Flood alarm level 3 once per 10 - 30 years (significant danger)

Flood alarm level 4 once per 30 -100 years (large danger)

Capital Berne
3rd time since 2005



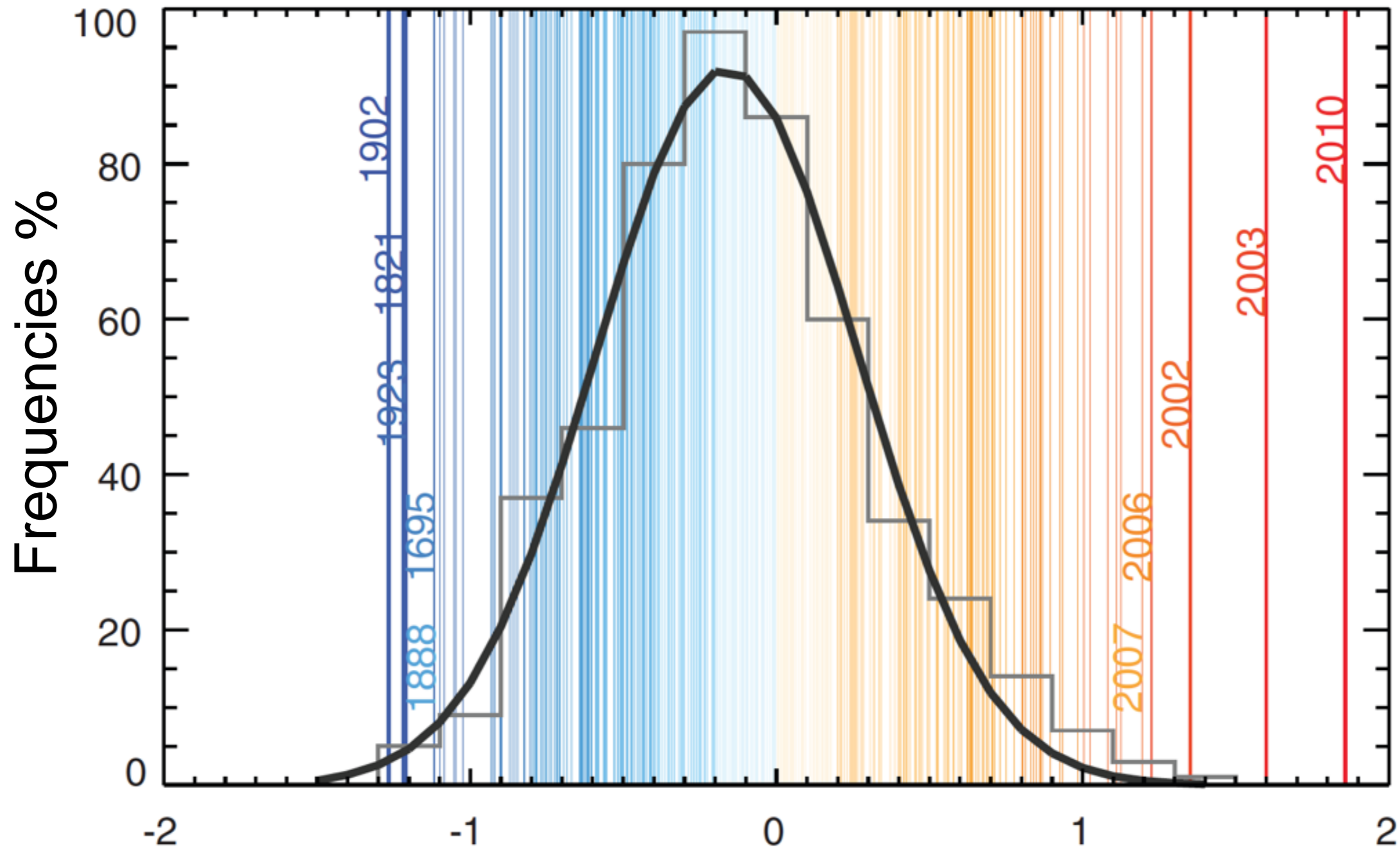
Unusually large amounts of snow in the mountains ~ > 140%





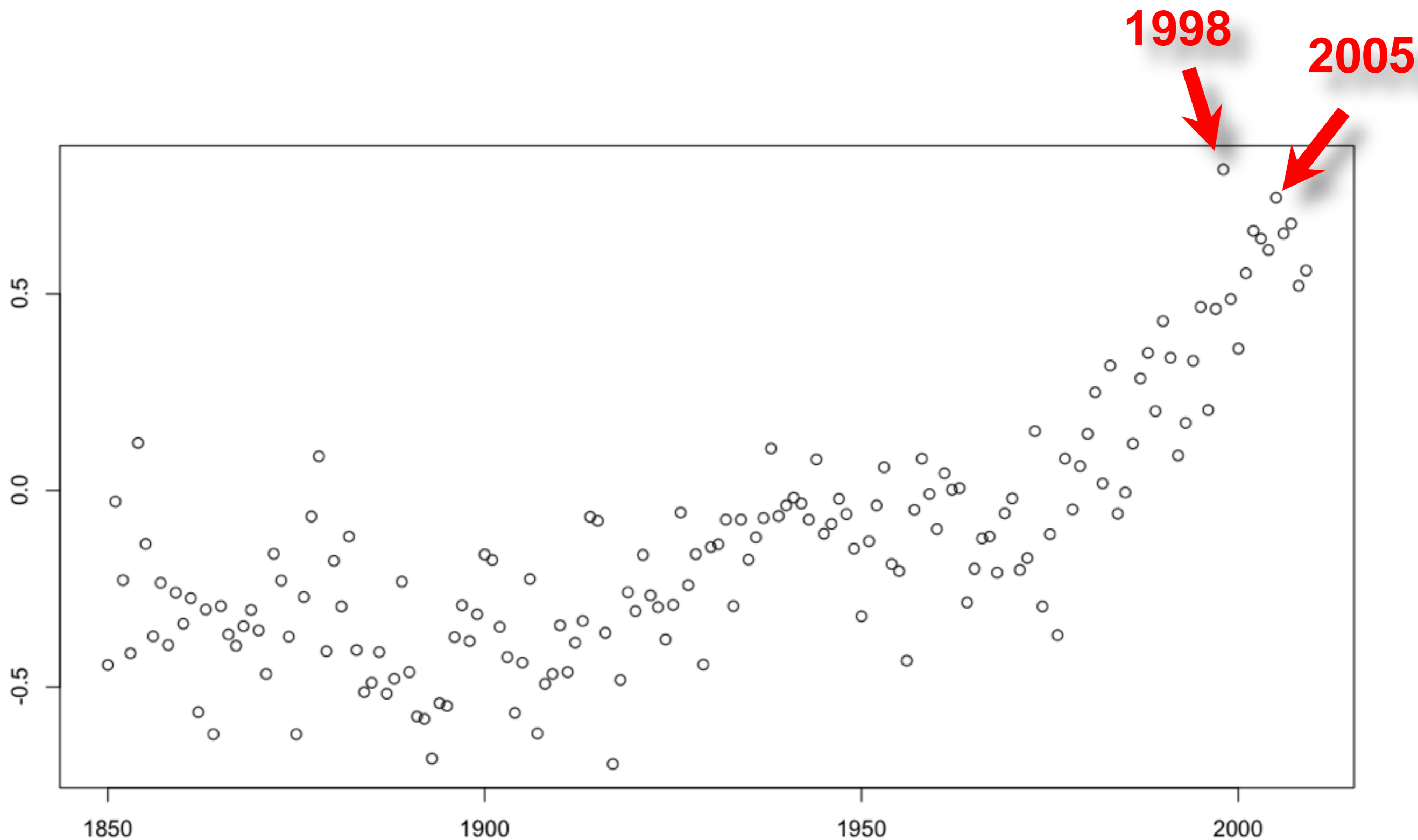
Summer Temperatures in Europe 1500–2010

Barriopedro et al., 2011. Science



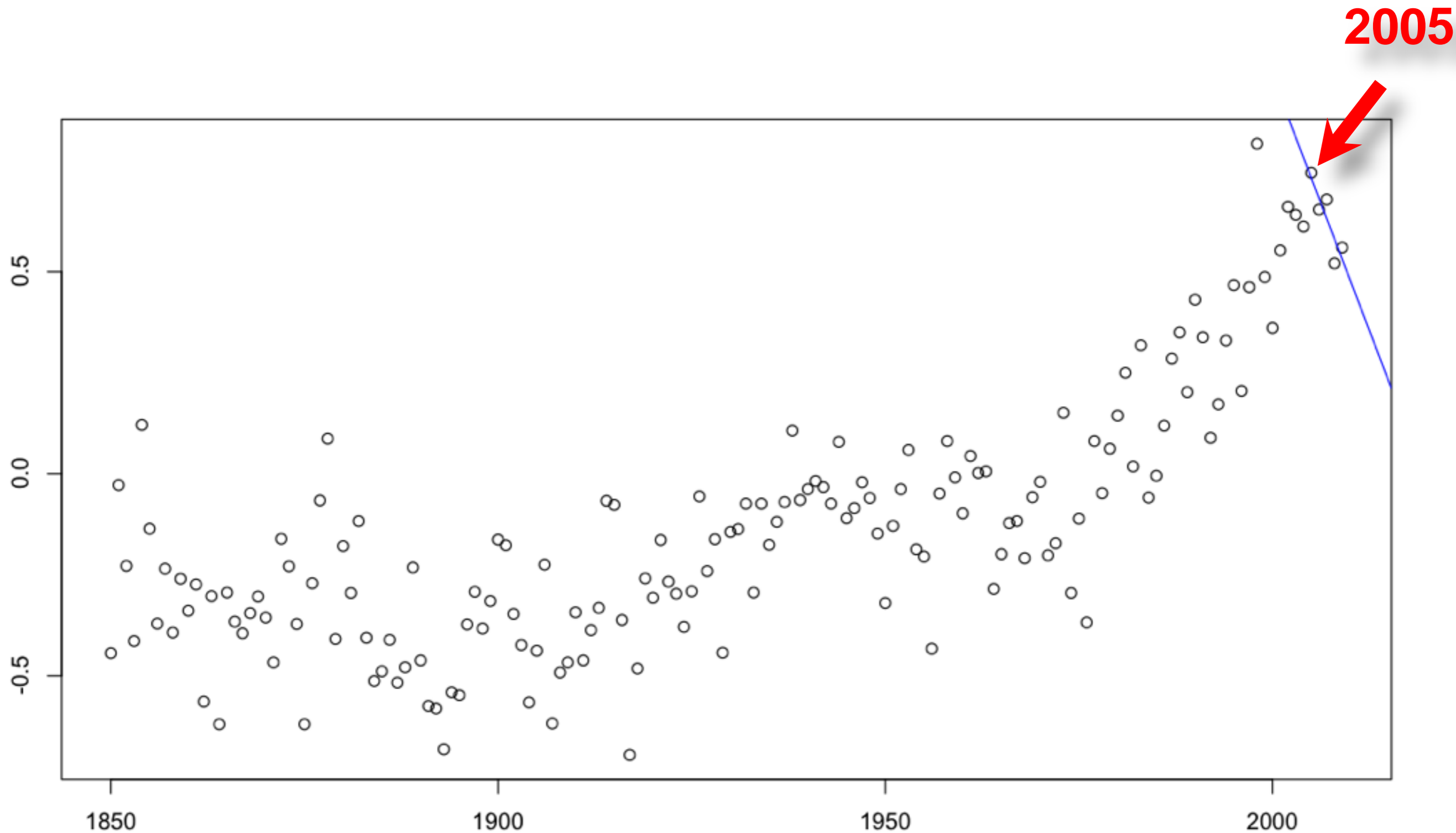


Simple science is not good enough ...



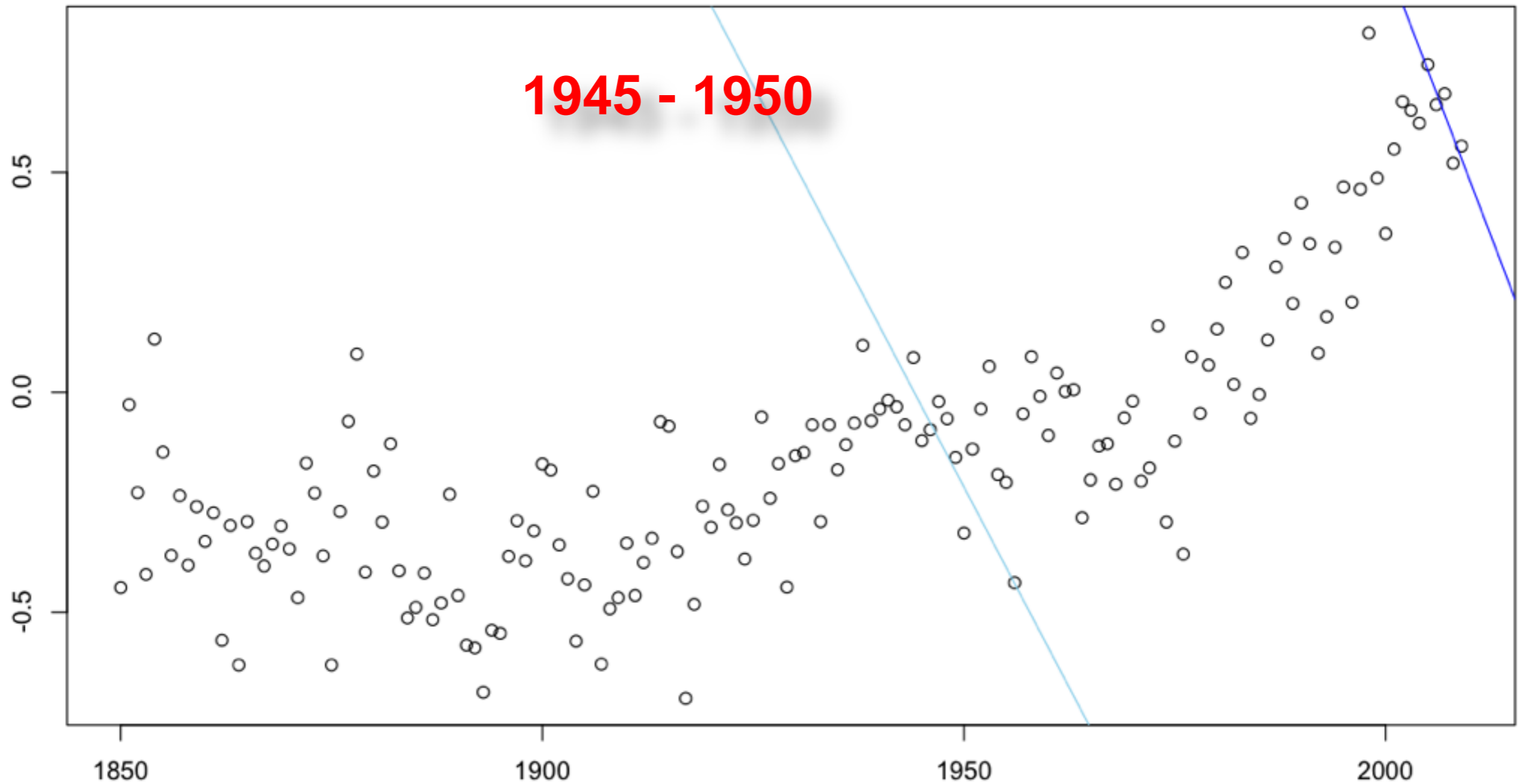


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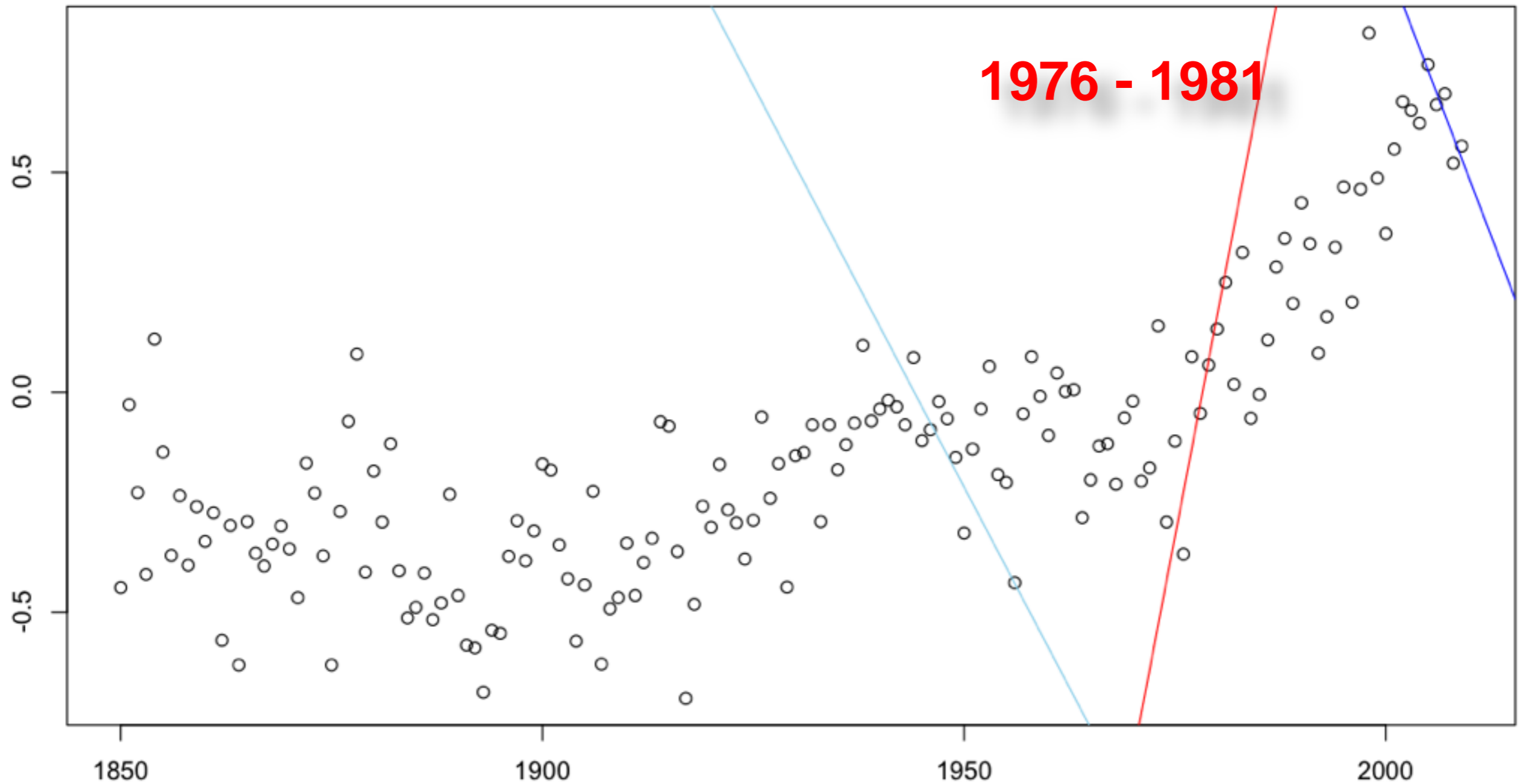


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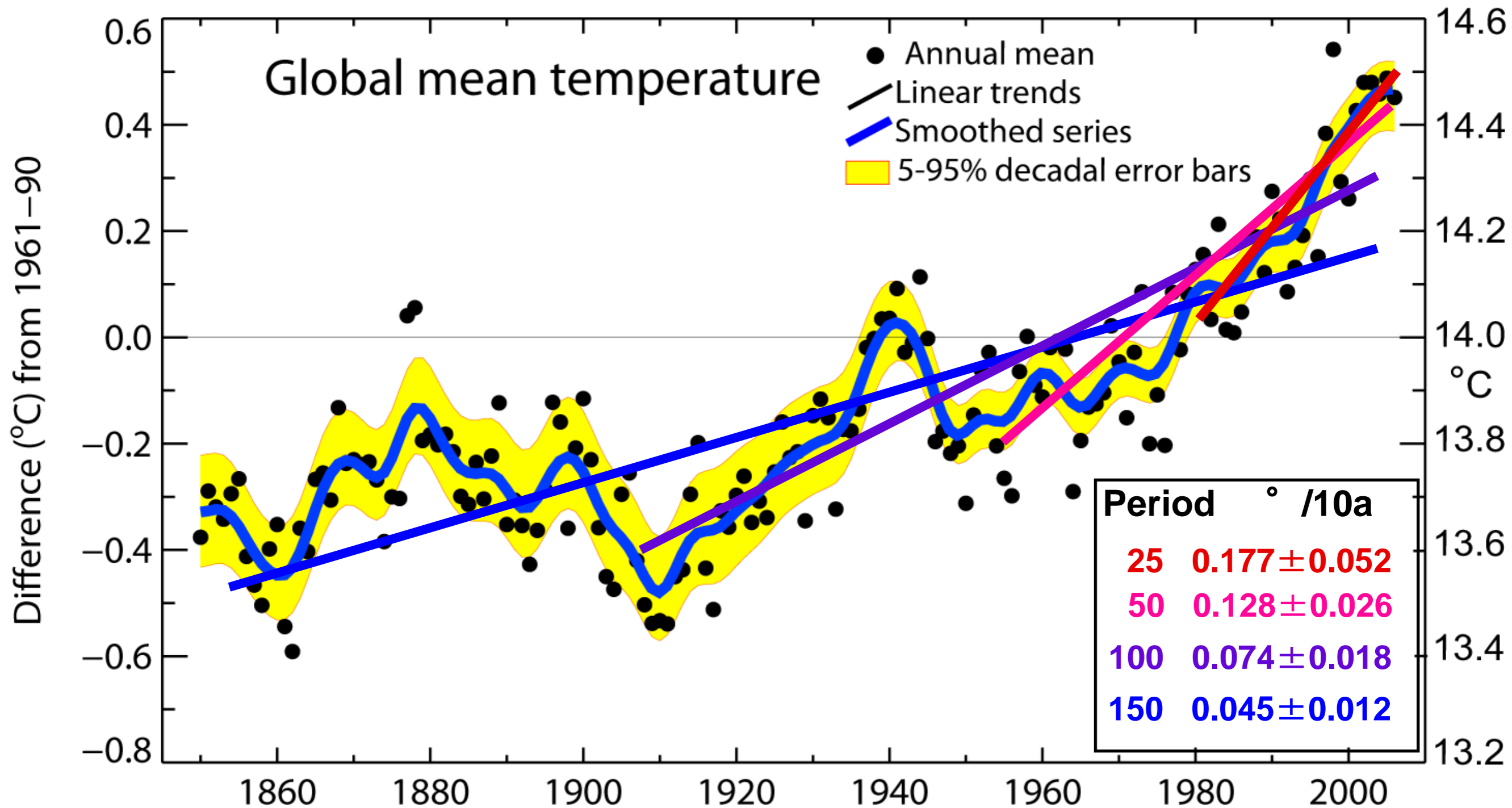
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Observed Temperatures

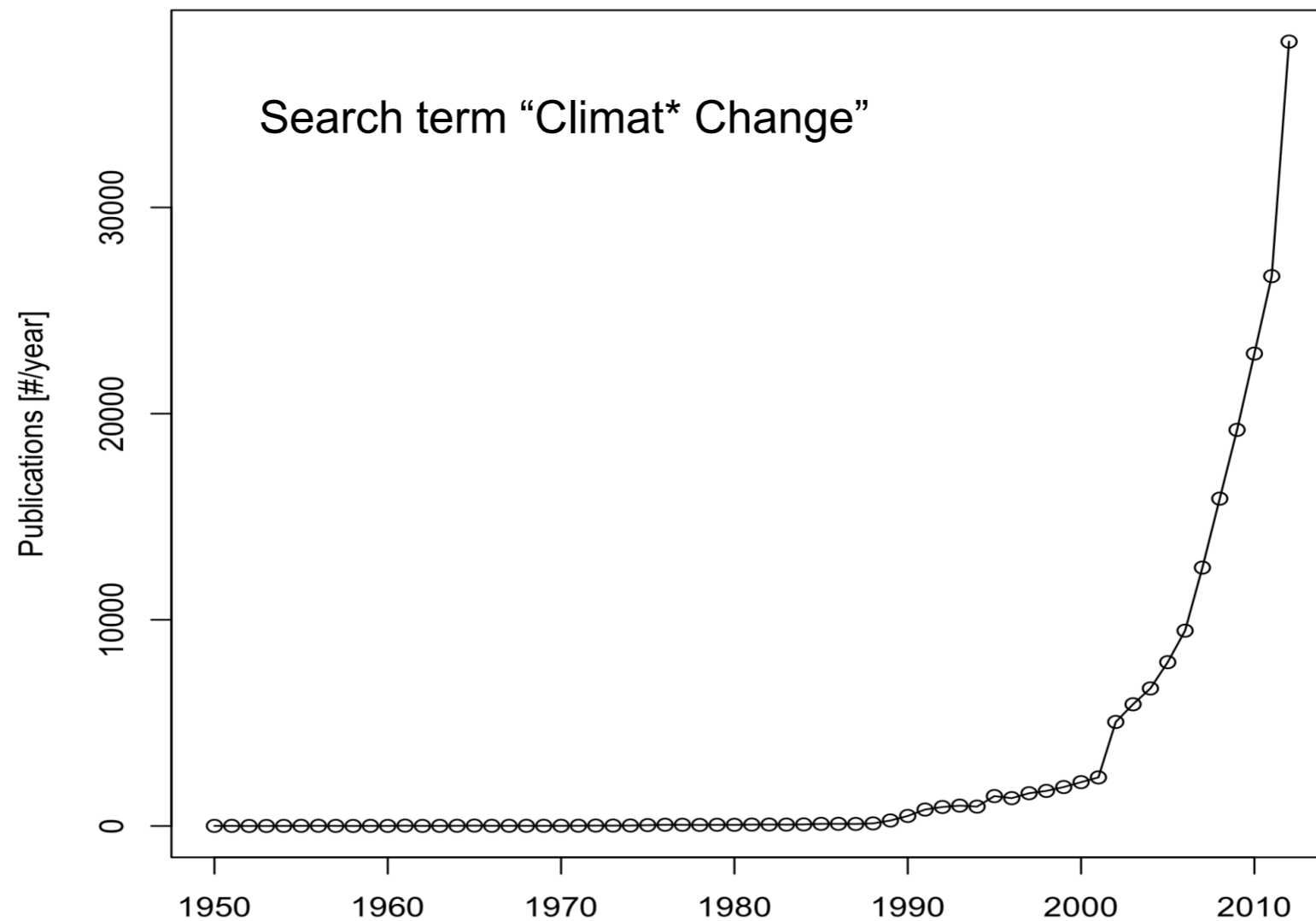
After Figure TS.6 (IPCC, 2007b.
Technical Summary (TS) WGI)



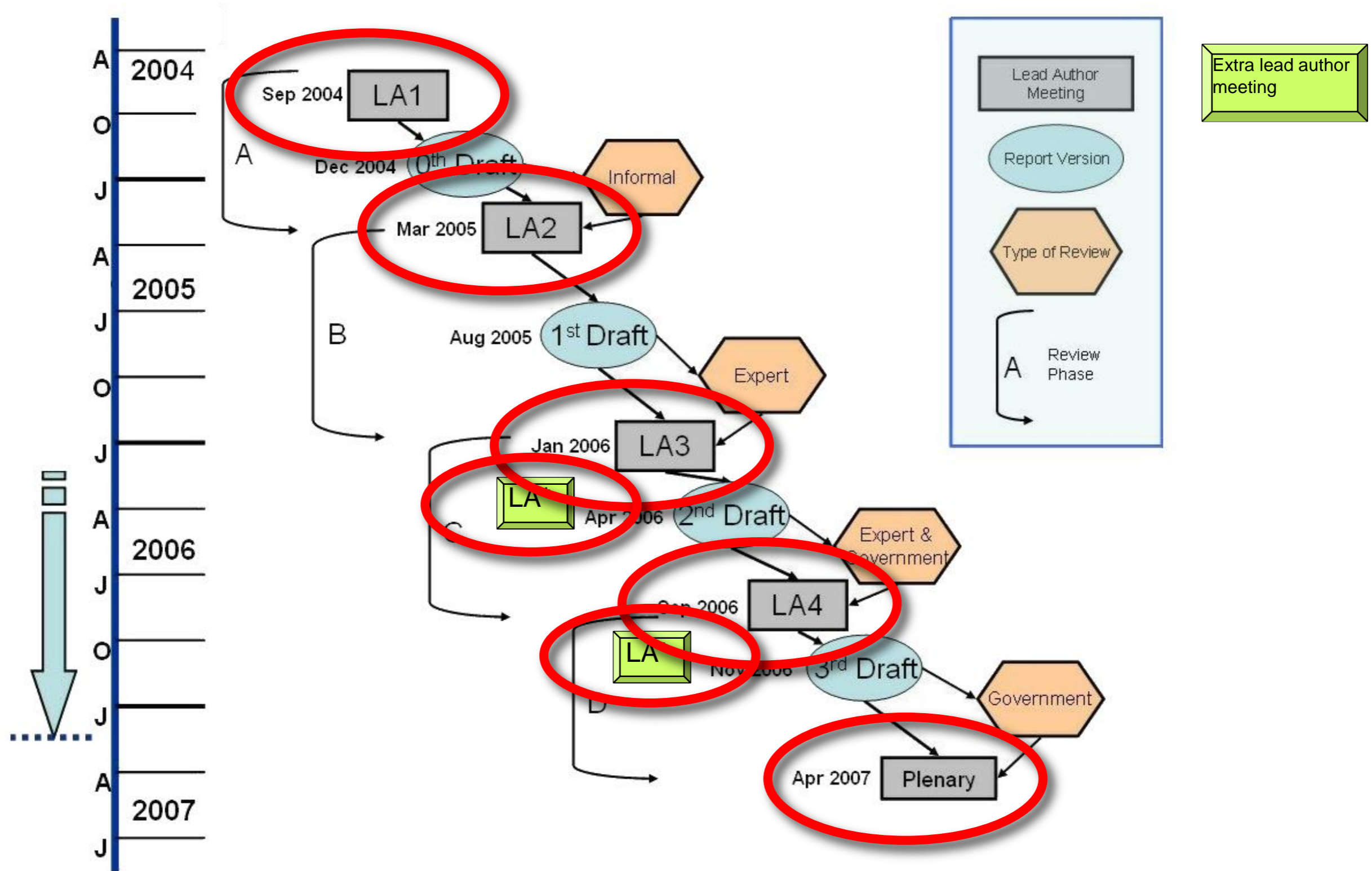


Number of Climate Change Publications

Climate Change Publications (ISI WOK)



Schedule IPCC Fourth Assessment Report Working Group II (Impacts Adaptation, Vulnerability)





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Thanks!