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BERN**

**OESCHGER CENTRE
CLIMATE CHANGE RESEARCH**

10 Jahre Klimaplatzform der Wirtschaft

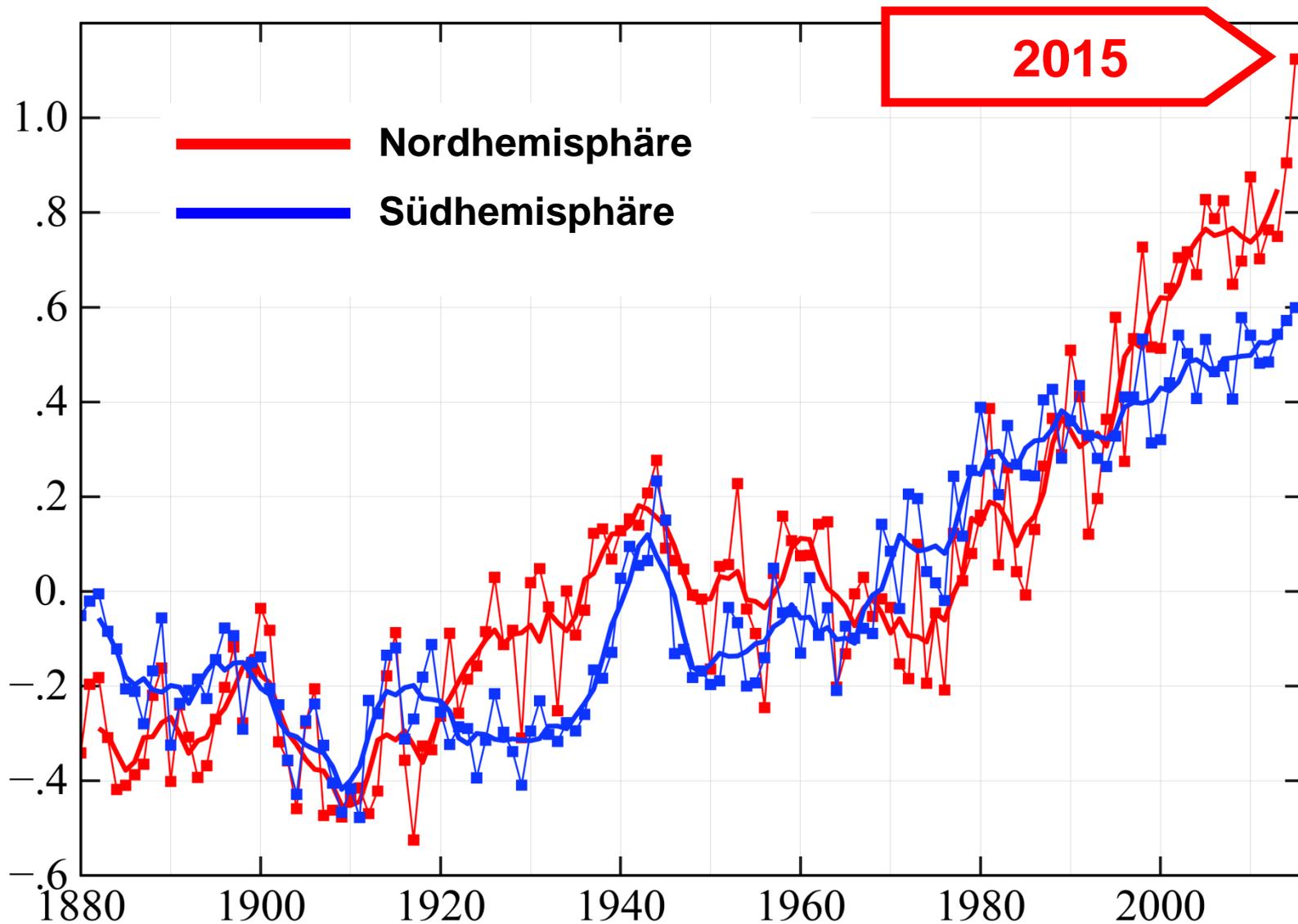
Klimawandel:

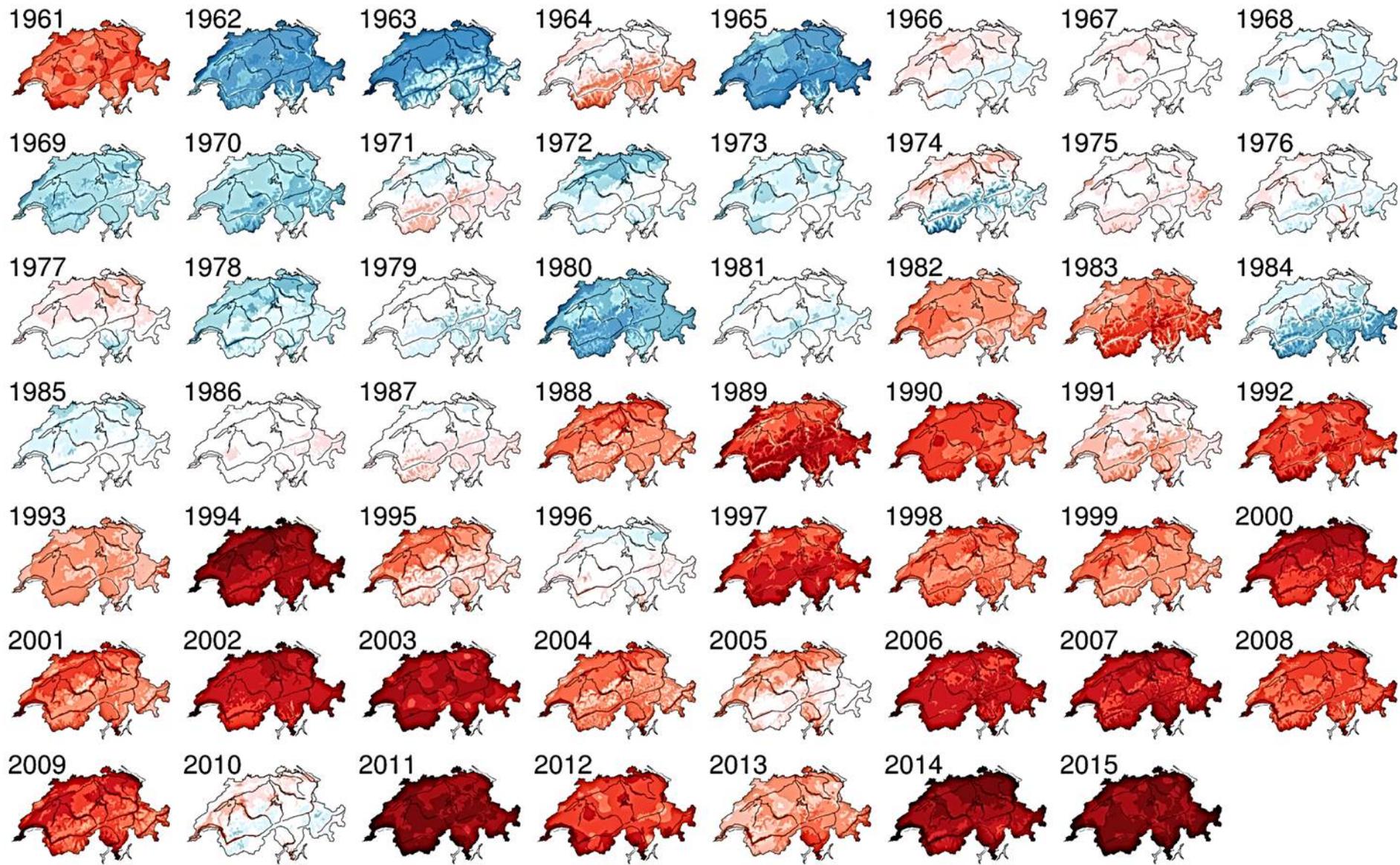
Globale Herausforderungen – Lokale Chancen

Thomas Stocker

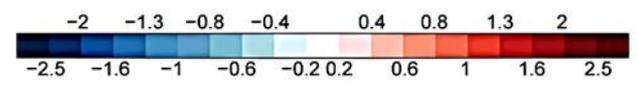
Physikalisches Institut
Oeschger Zentrum für Klimaforschung
Universität Bern

Temperaturänderung: jährlich gemittelt



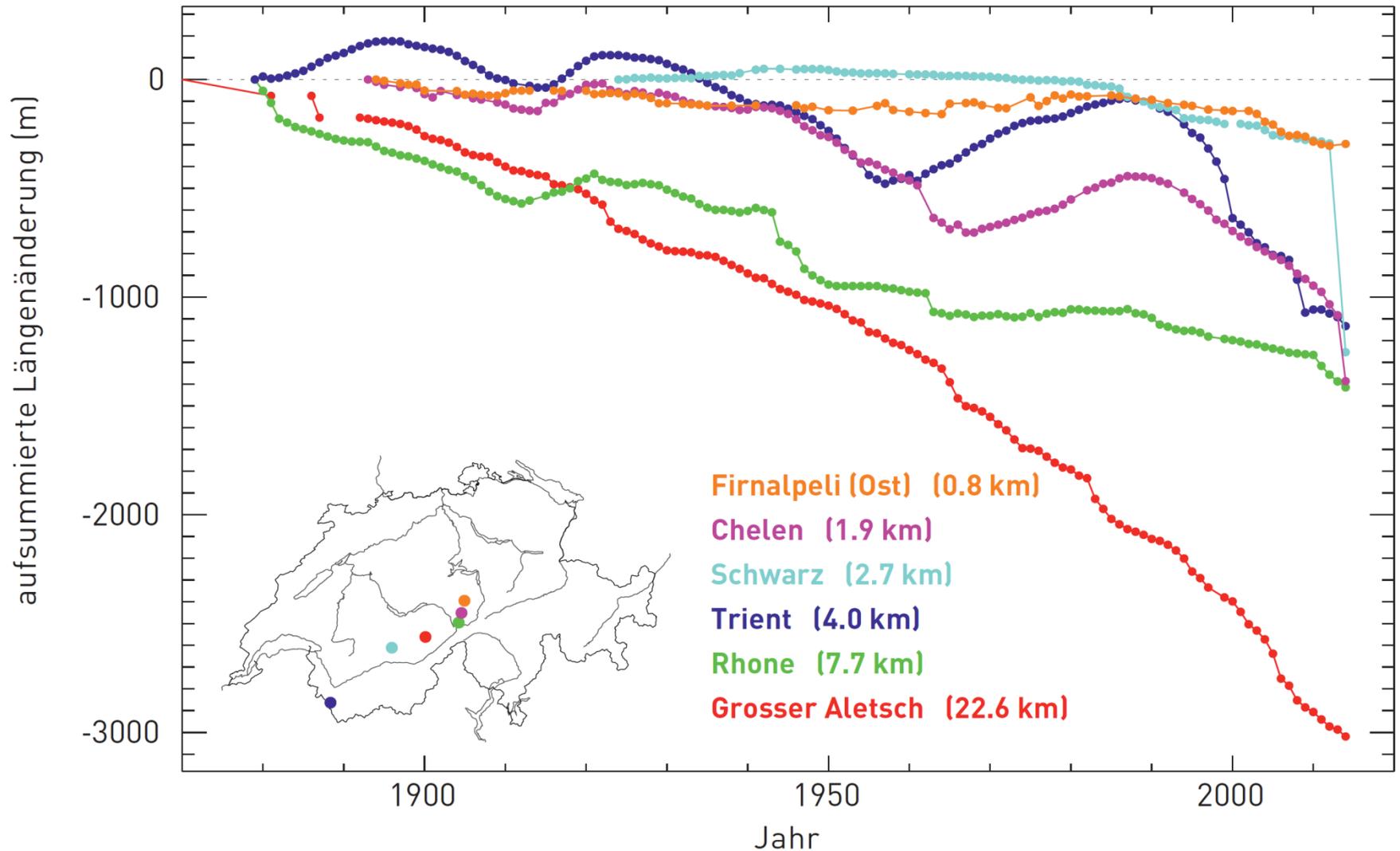


© MeteoSwiss

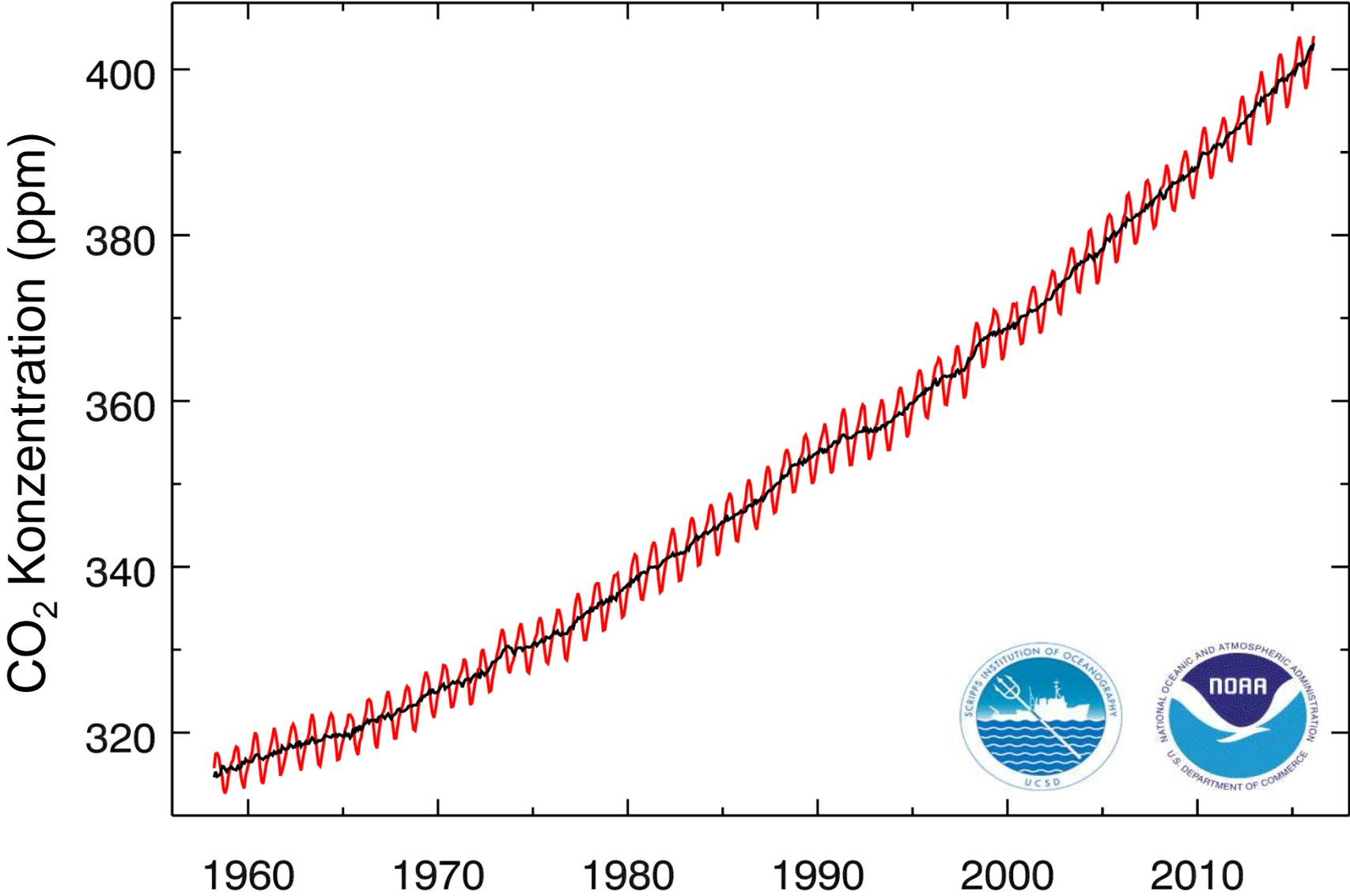




Gletscher Längenänderungen seit 1880



CO₂ Mauna Loa, Hawaii

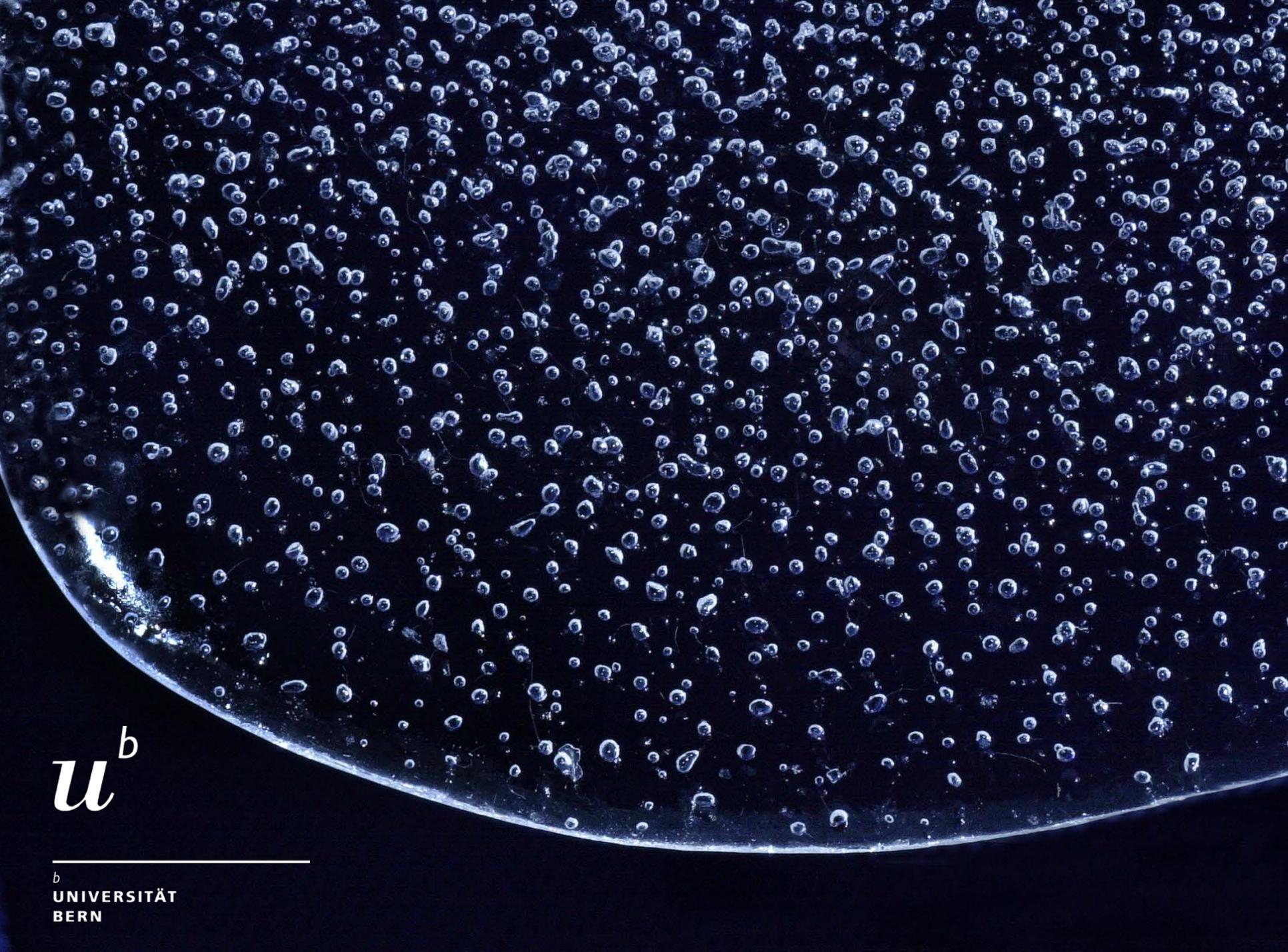


March 2016



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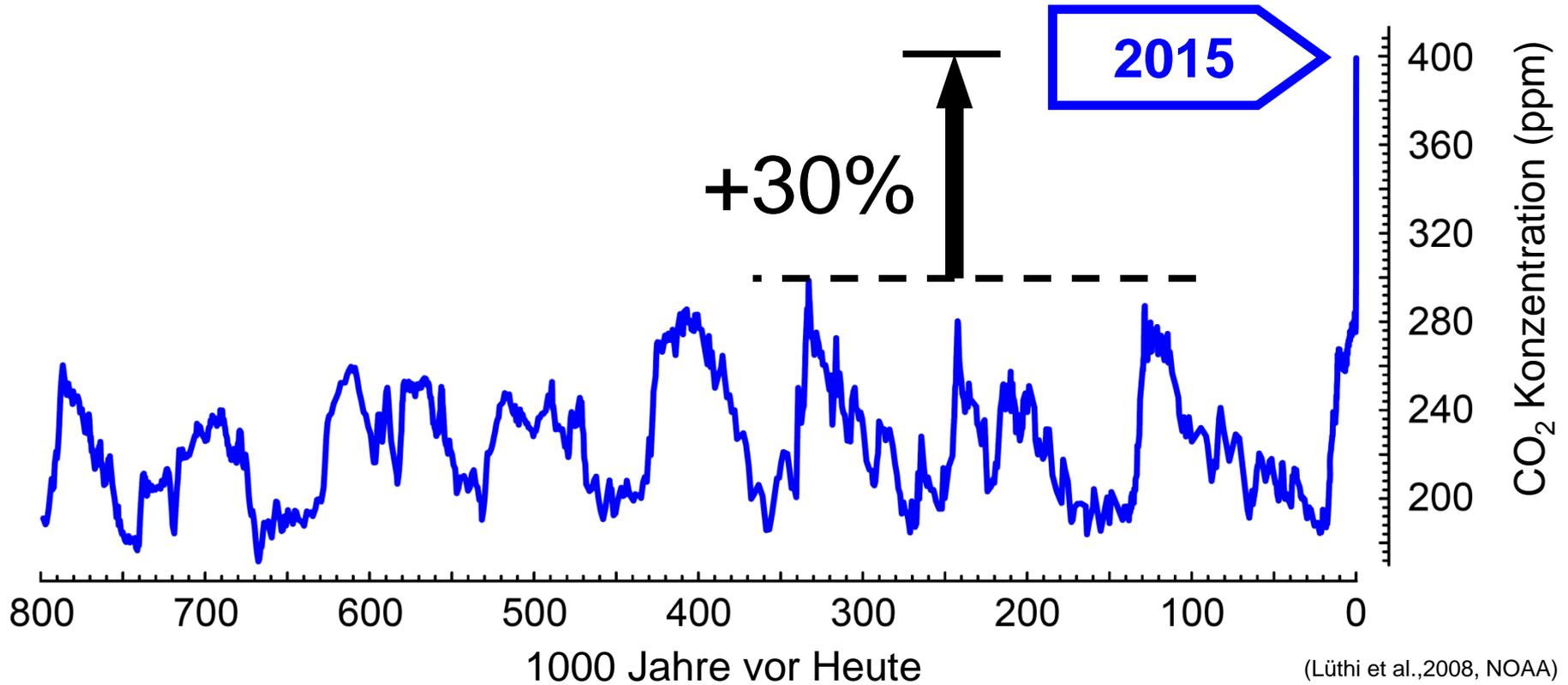
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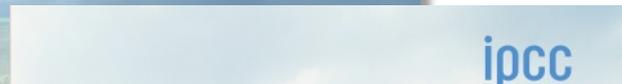
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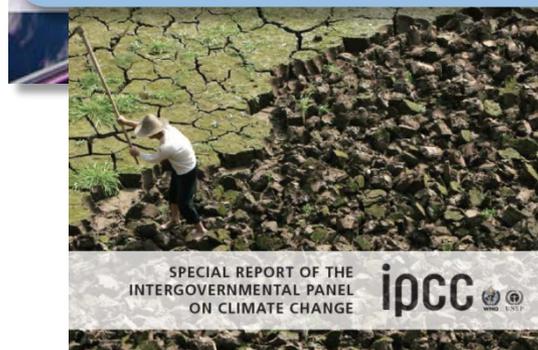
CO₂ Konzentration der letzten 800'000 Jahre



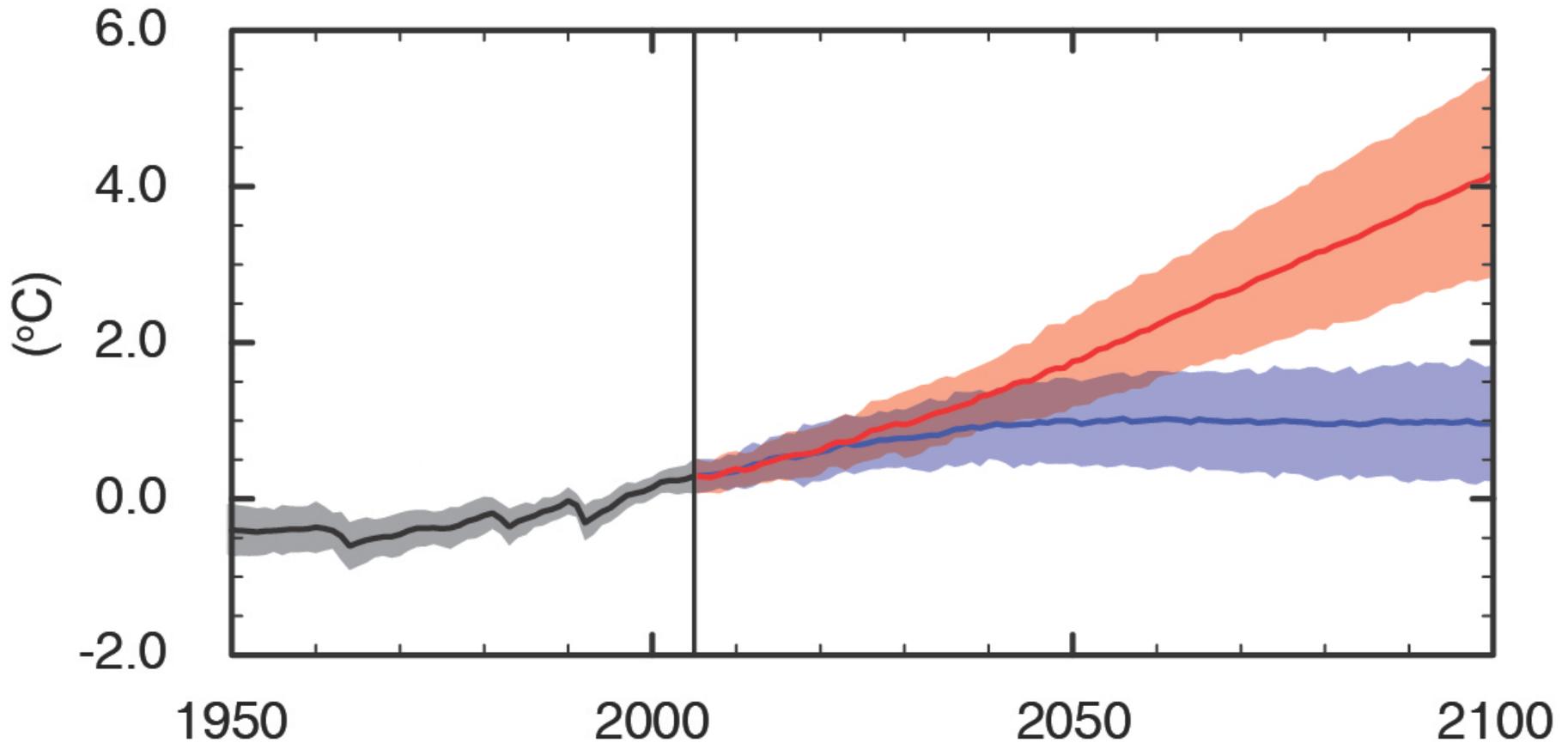
UNO Weltklimarat: 5. Zustandsbericht (2008-2014):



Die Beschränkung des Klimawandels erfordert beträchtliche und dauerhafte Reduktionen der Treibhausgas-Emissionen.

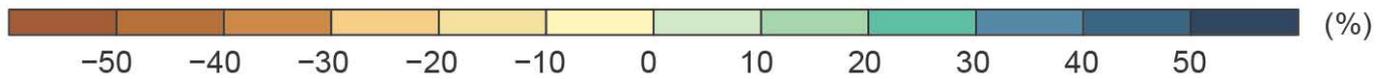
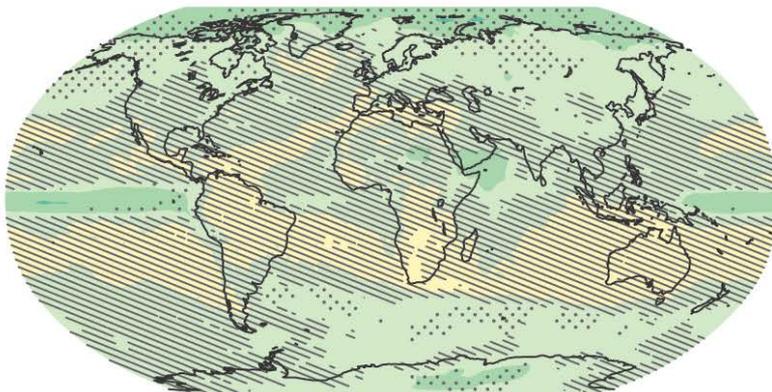
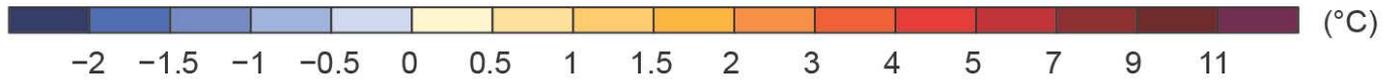
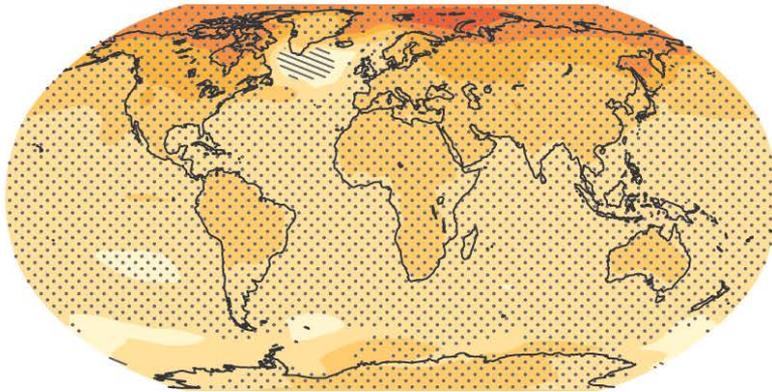


Änderung der globalen Mitteltemperatur seit 1986-2005



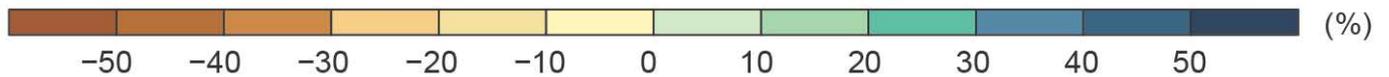
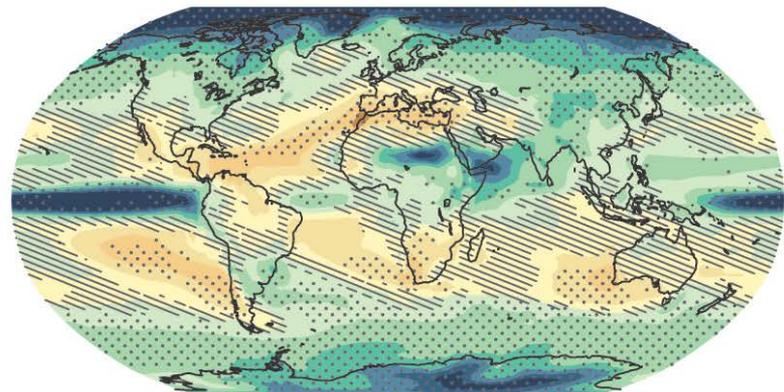
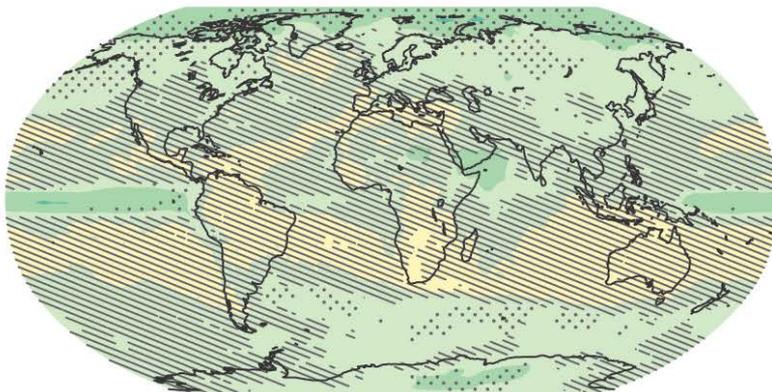
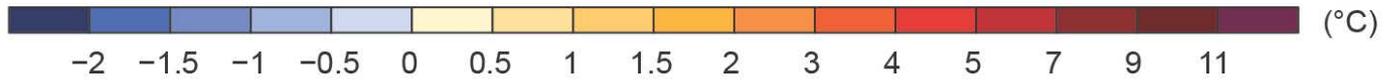
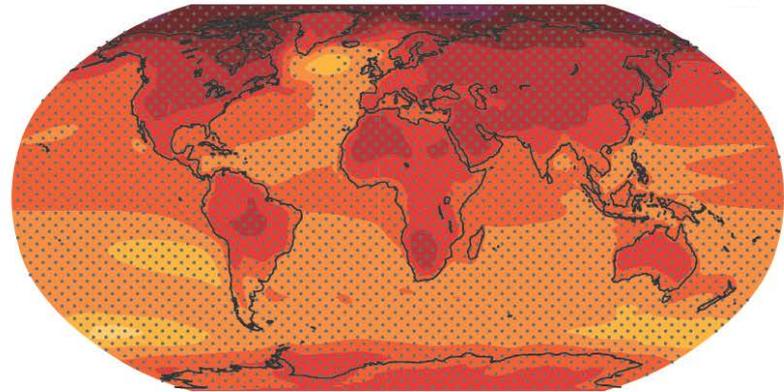
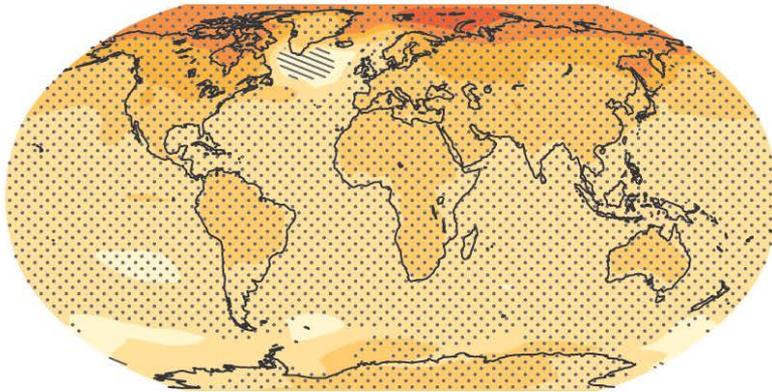
IPCC 2013, Fig. SPM.7a

2°C Welt



2°C Welt

5°C Welt



Die globalen CO₂ Emissionen sollen schnell sinken und ab 2050 auf Null gehen.

Paris France



Wir brauchen eine
4. Industrielle Revolution



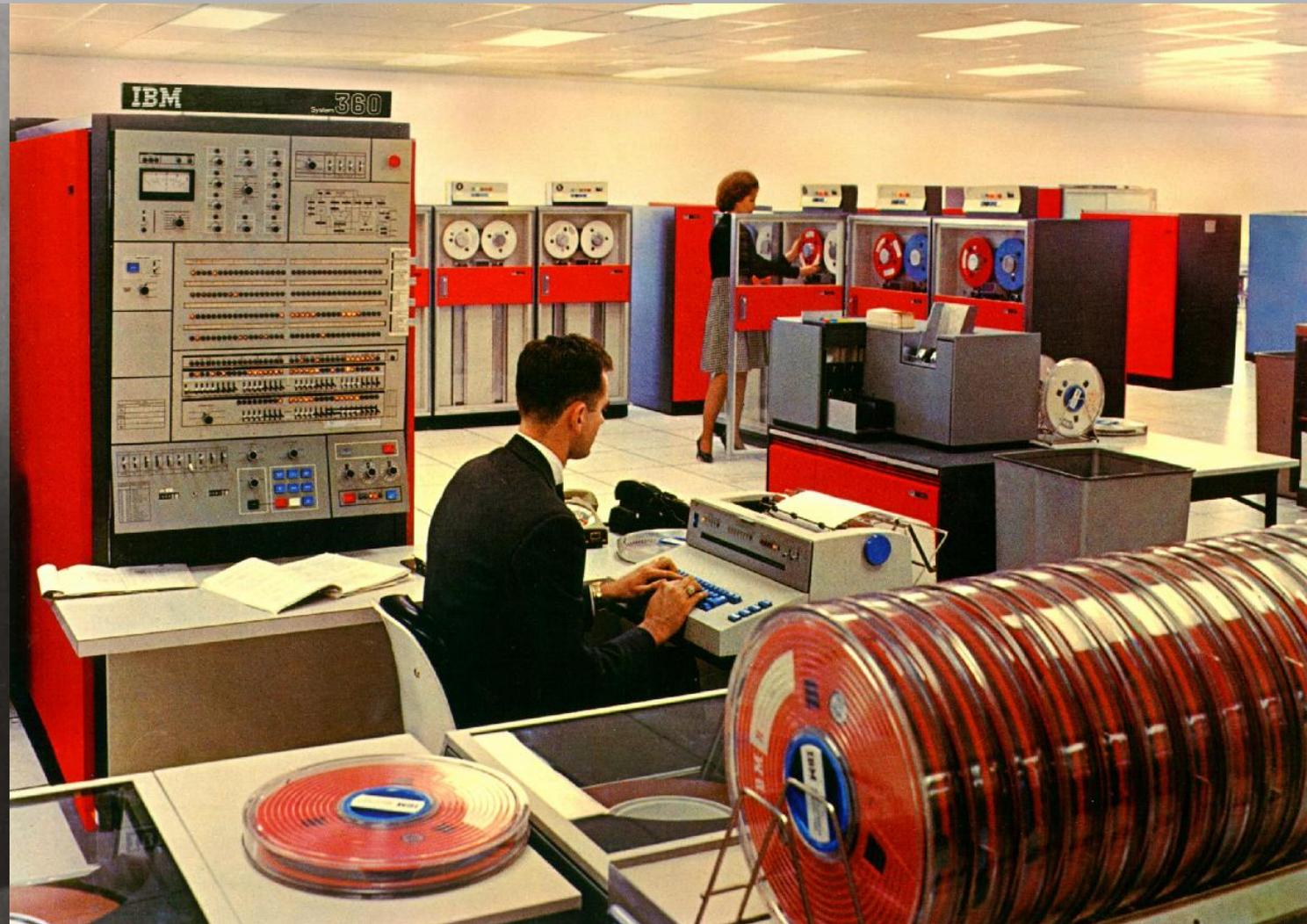
Wir brauchen eine
4. Industrielle Revolution

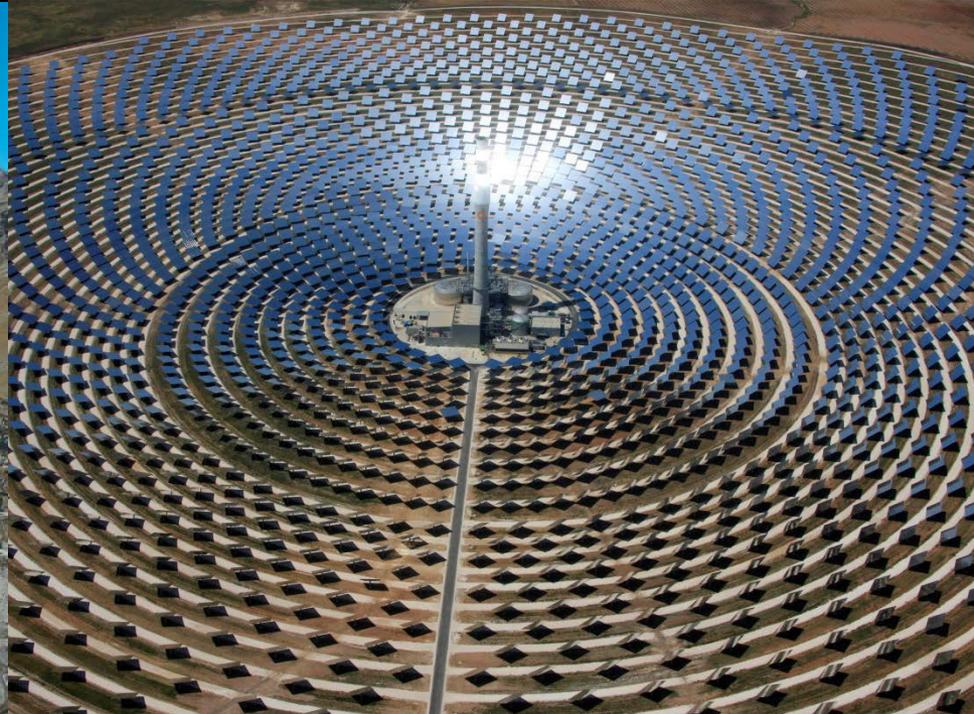


Wir brauchen eine
4. Industrielle Revolution



Wir brauchen eine 4. Industrielle Revolution







4. Industrielle Revolution Dekarbonisierung



Industrielle Revolution

intelligentere Produkte

neue Arbeitsplätze

bessere Lebensqualität

andere Werte