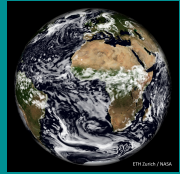
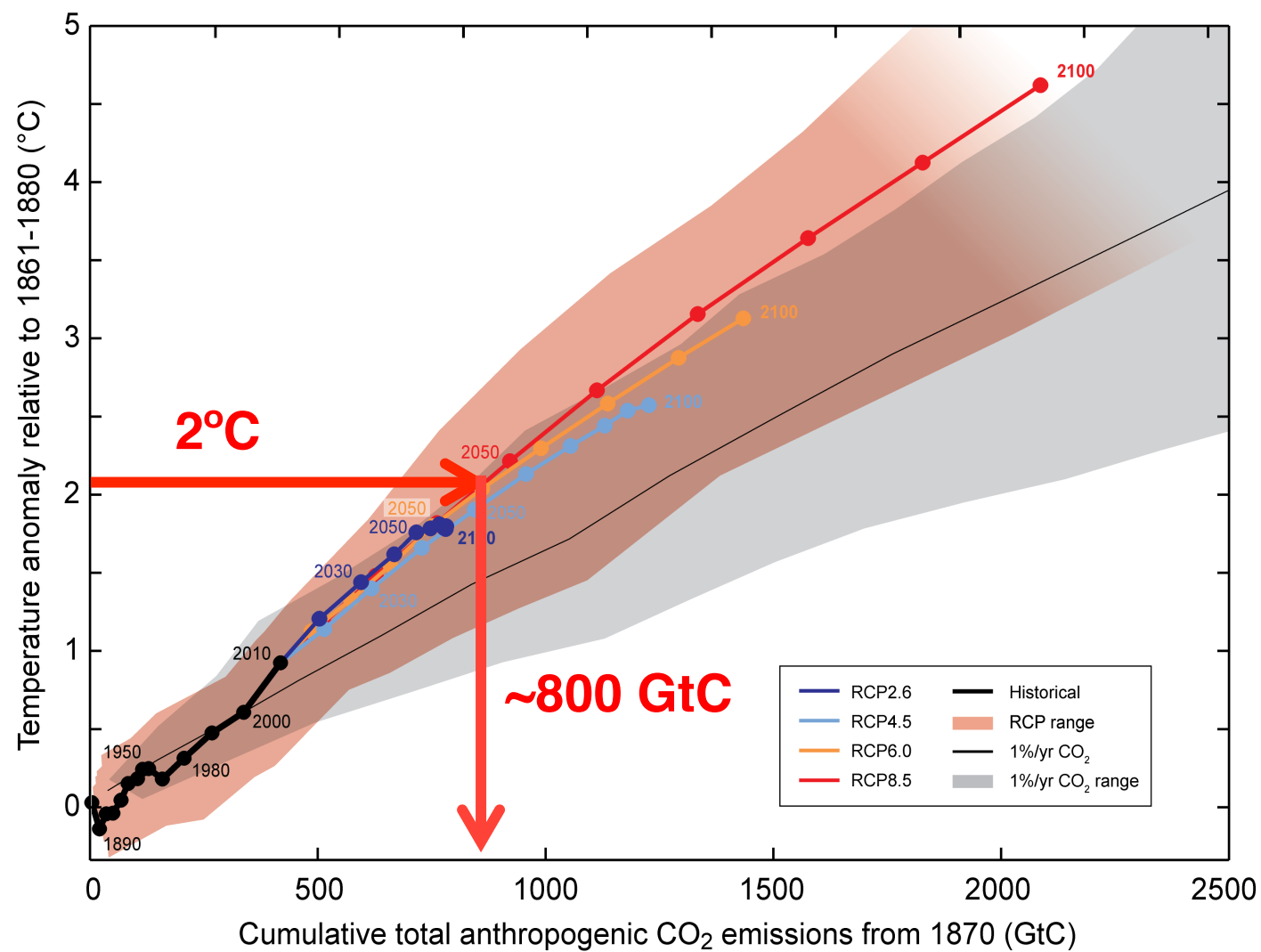


- **Wie haben sich die globale Temperatur und die CO₂-Emissionen bis anhin entwickelt?**
- **Wieviel CO₂ dürfen wir noch ausstossen, um das 2-Grad Ziel zu erreichen?**
- **Welche Faktoren bestimmen dieses CO₂ Budget?**
- **Was passiert, wenn wir über das 2-Grad Ziel hinausschiessen?**
- **Wie wichtig sind die anderen Treibhausgase wie Methan (CH₄) und Lachgas (N₂O)?**

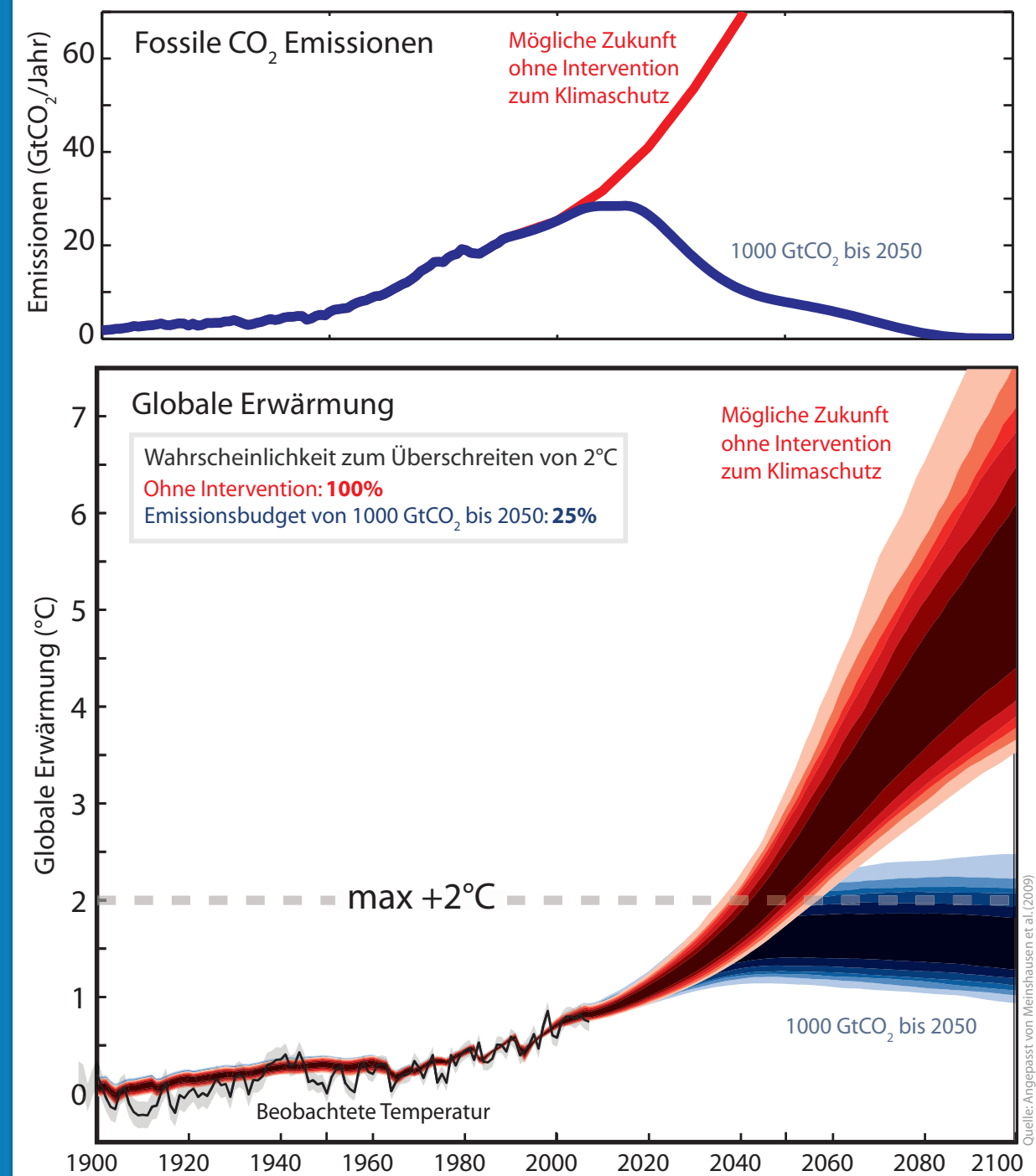


ETH-Klimarunde

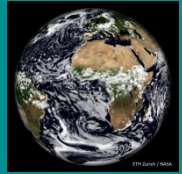
CO₂ Emissionen und das 2°C-Ziel



Quelle: IPCC AR5 Working Group 1, Summary for Policymakers (Fig. SPM-10)

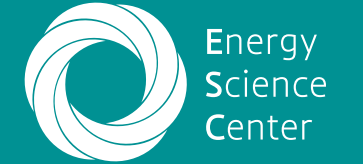


Quelle: Modifiziert von Meinshausen et al. 2009

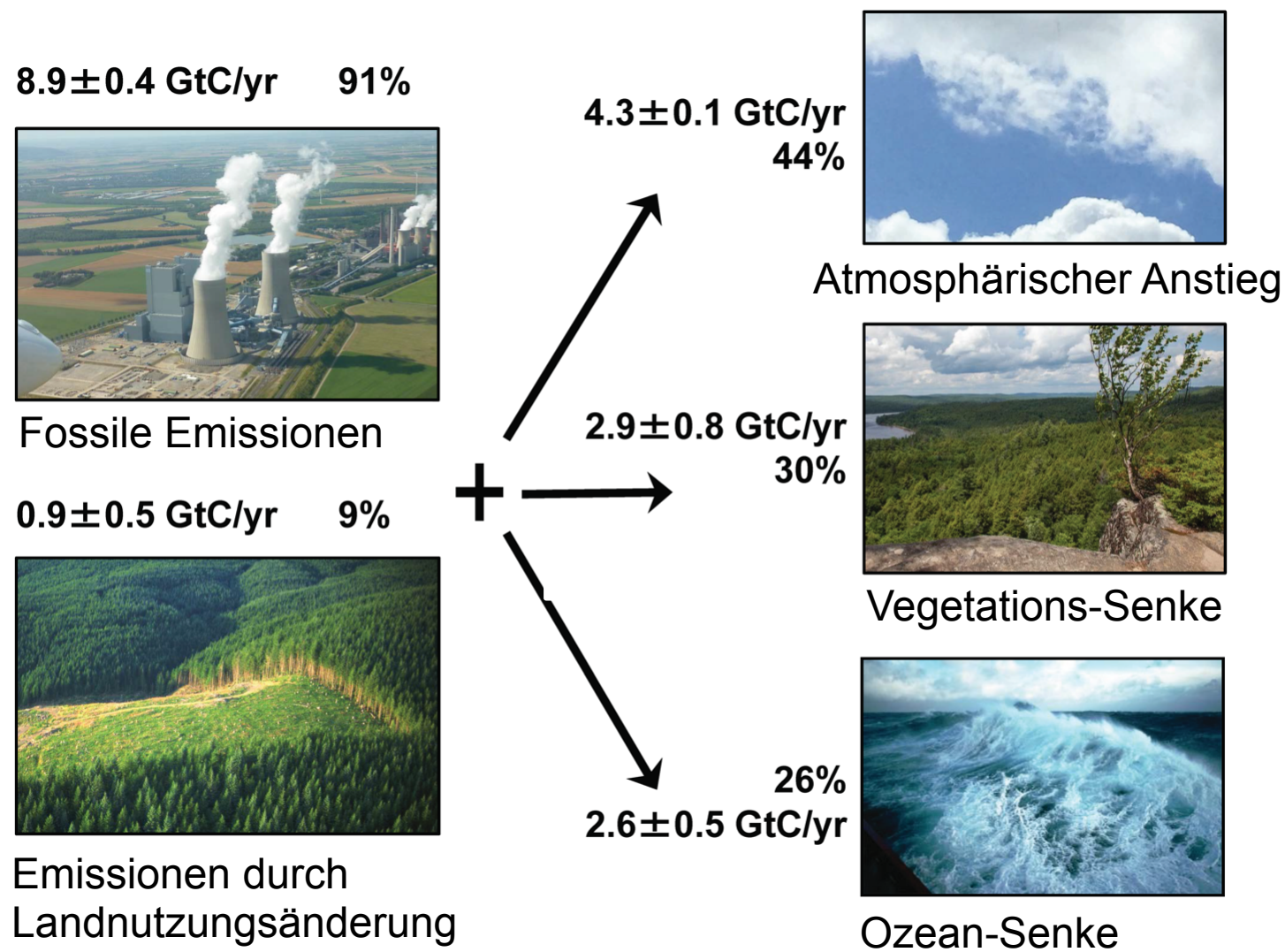


ETH-Klimarunde

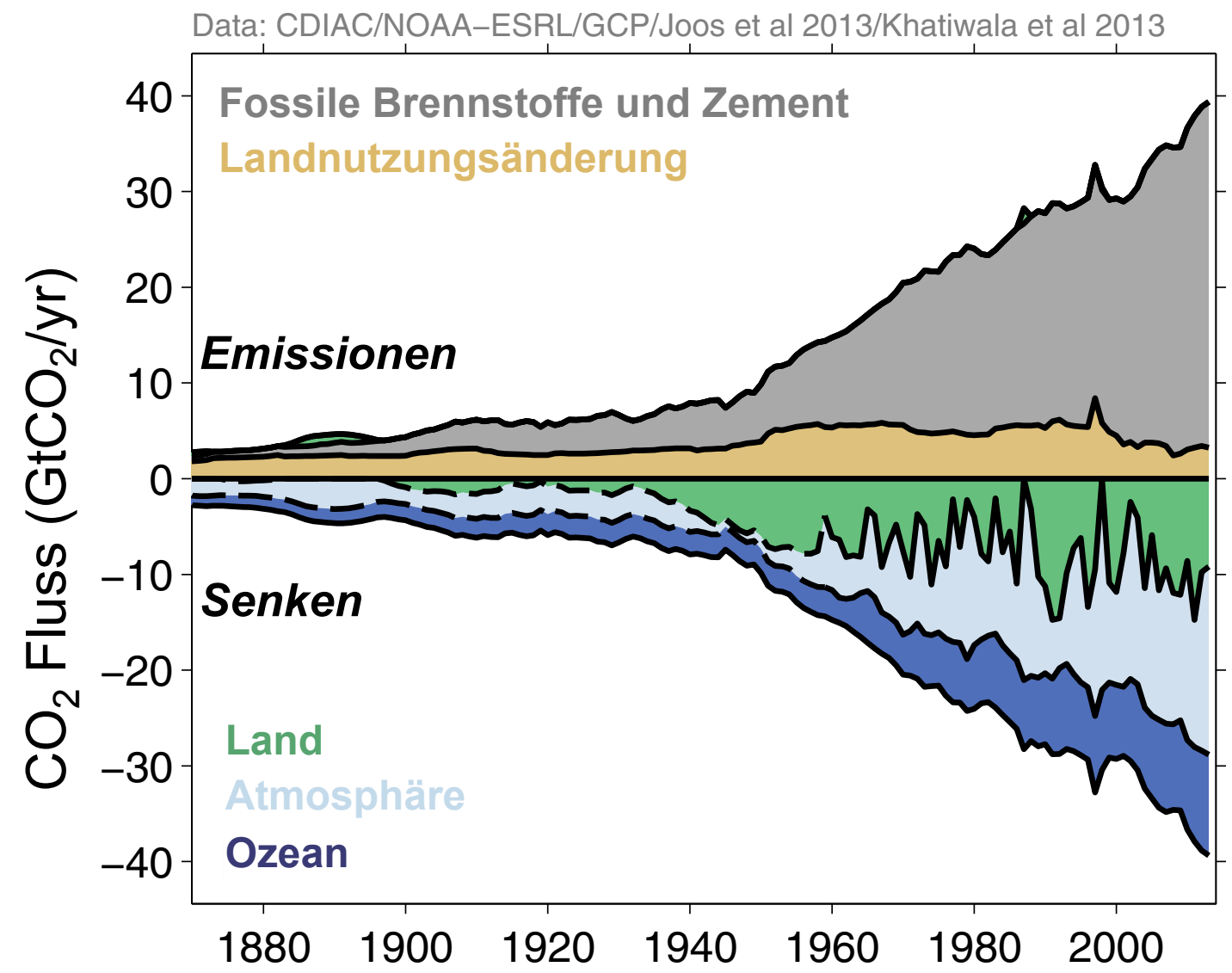
Globaler Kohlenstoffkreislauf



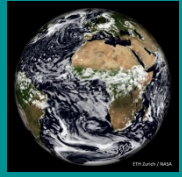
Globaler Kohlenstoffkreislauf 2004-2013



Quelle: Global Carbon Project; www.globalcarbonproject.org

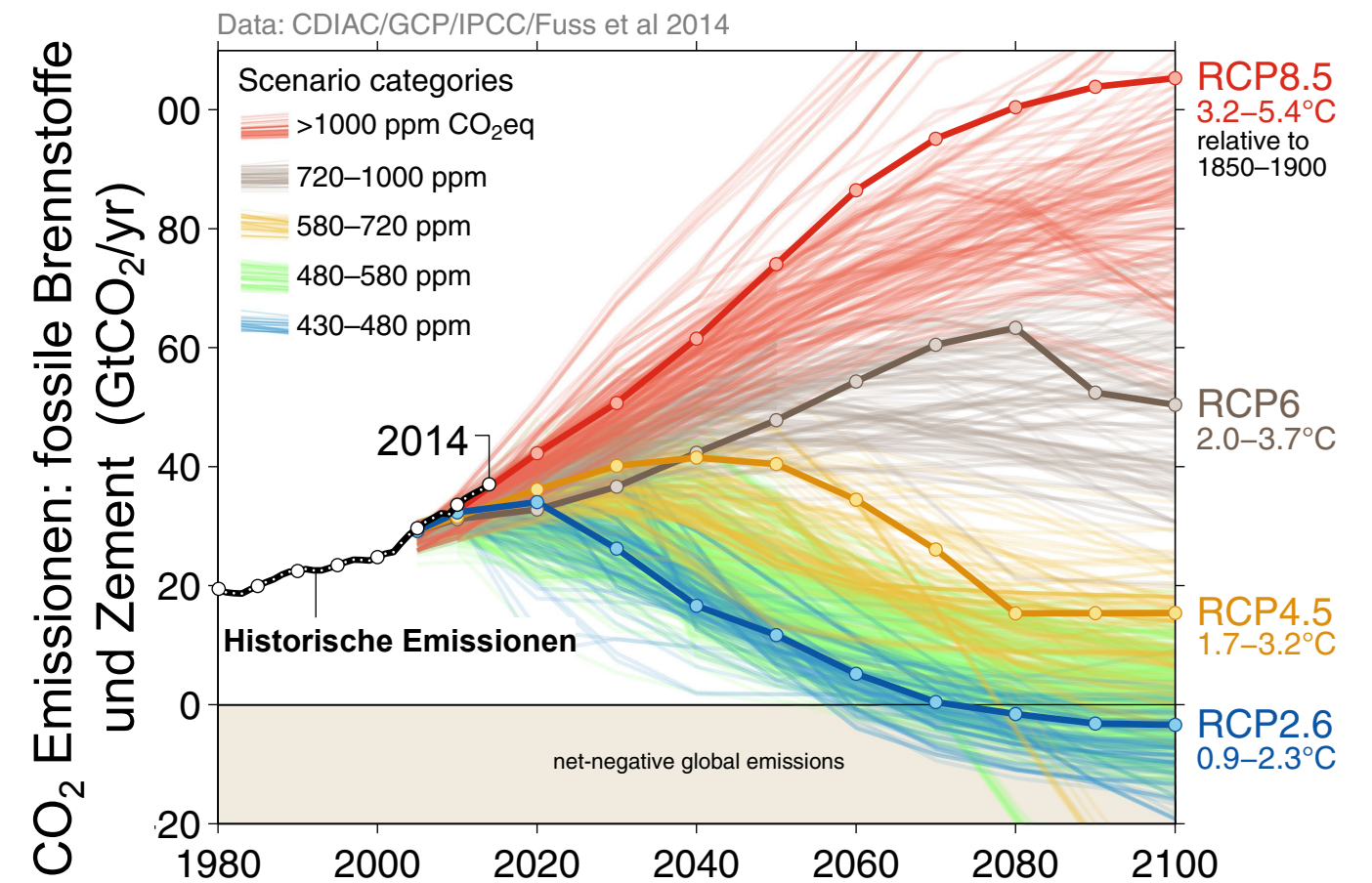
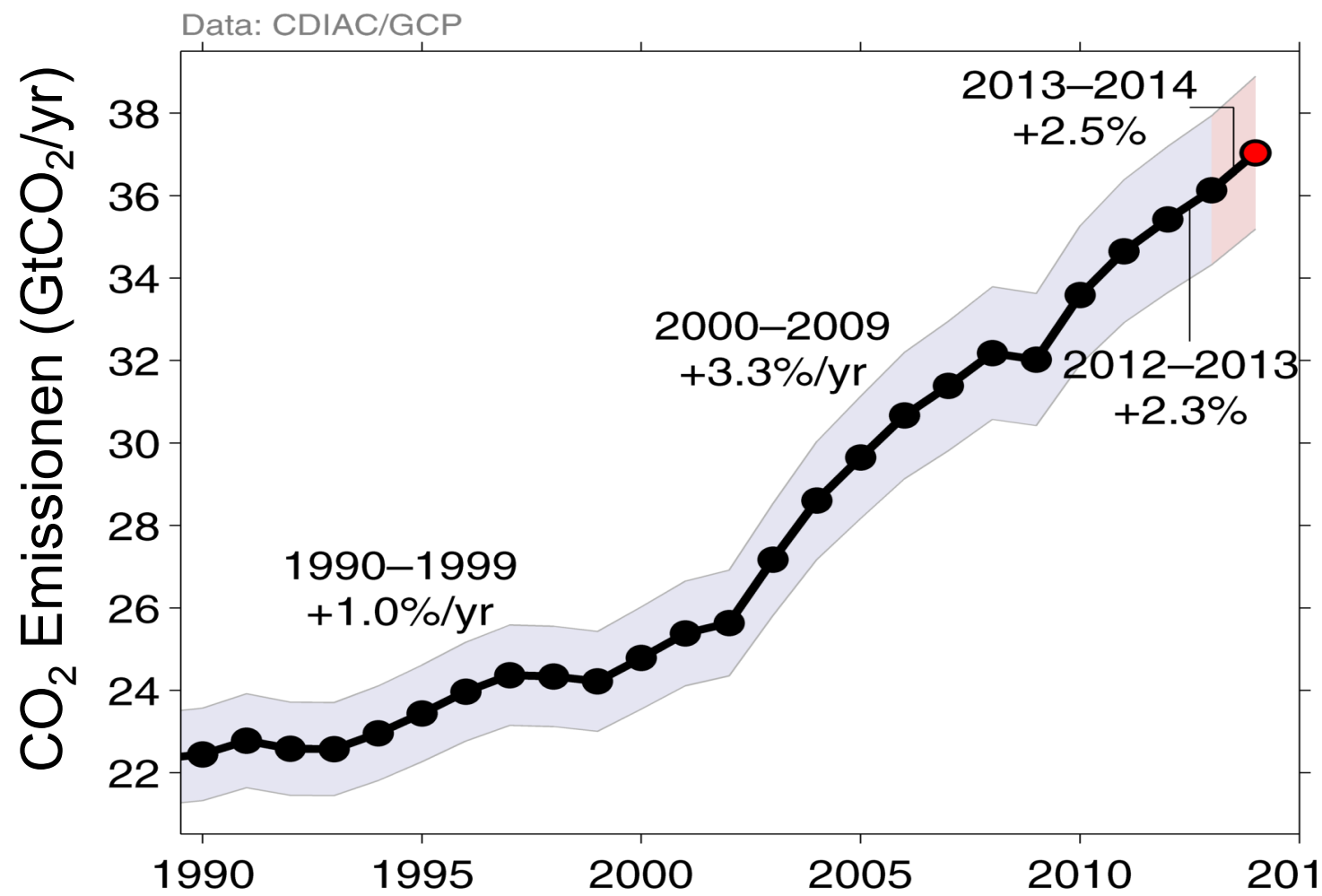
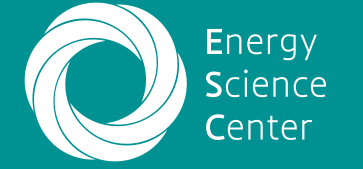


Quelle: CDIAC/NOAAESRL/GCP/Joos et al. 2013/Khatriwala et al. 2013



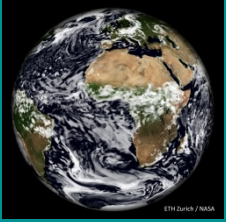
ETH-Klimarunde

Entwicklung der CO₂ Emissionen

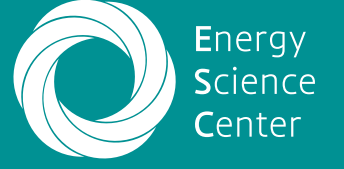


Quelle: Global Carbon Project; www.globalcarbonproject.org

Quelle: Fuss et al. (2014)

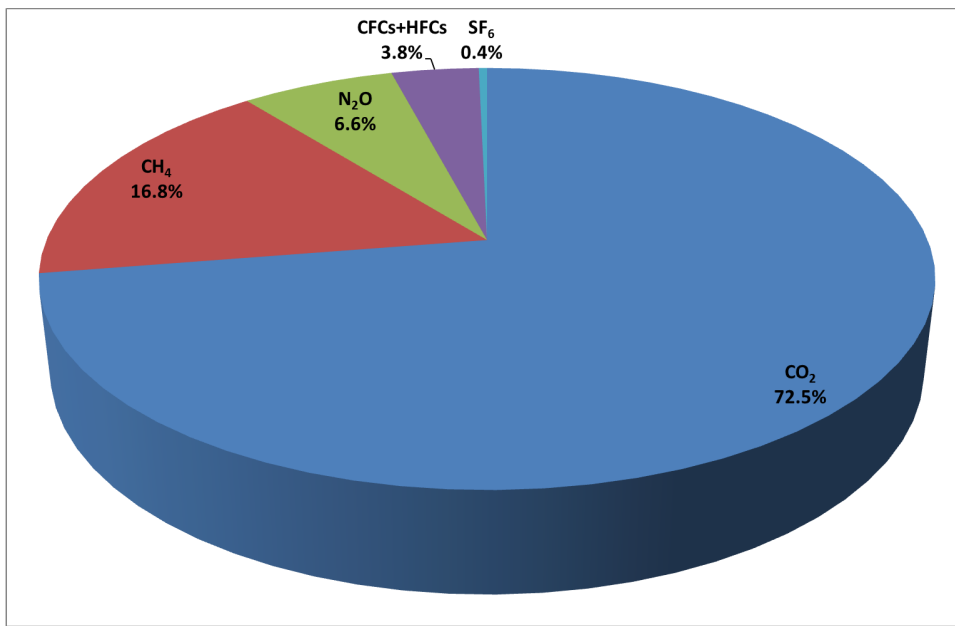


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Emissionen anderer Treibhausgase im Vergleich zu CO₂

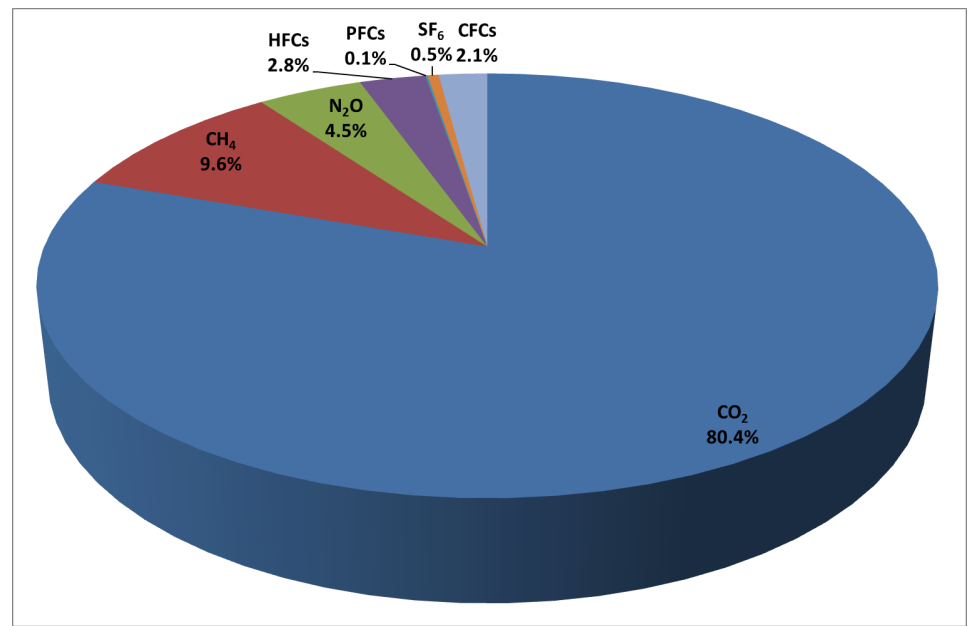
Treibhausgasemissionen Global 2012



Total: 47.8 Gt CO₂-äquivalente

Quellen: EDGAR v4.2 FT2012; Velders & Daniel (2014); Levin et al. (2010)

Treibhausgasemissionen Schweiz 2013

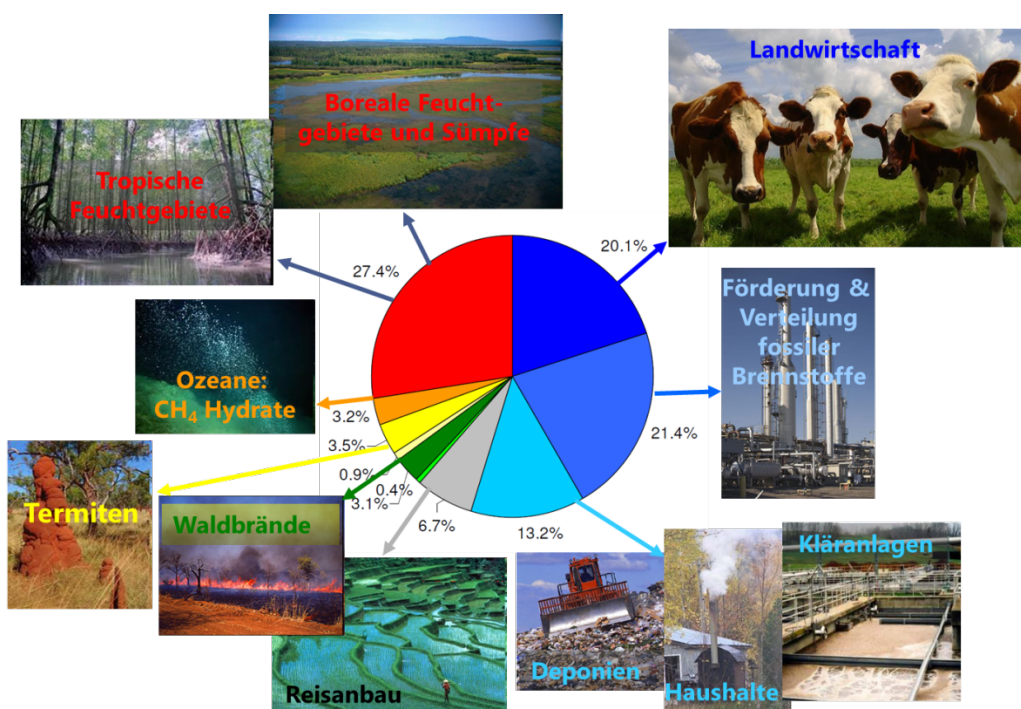


Total: 0.054 Gt CO₂-äquivalente

Quellen: Schweizerisches Treibhausgasinventar (2015); BAFU Project HALCLIM (2015)

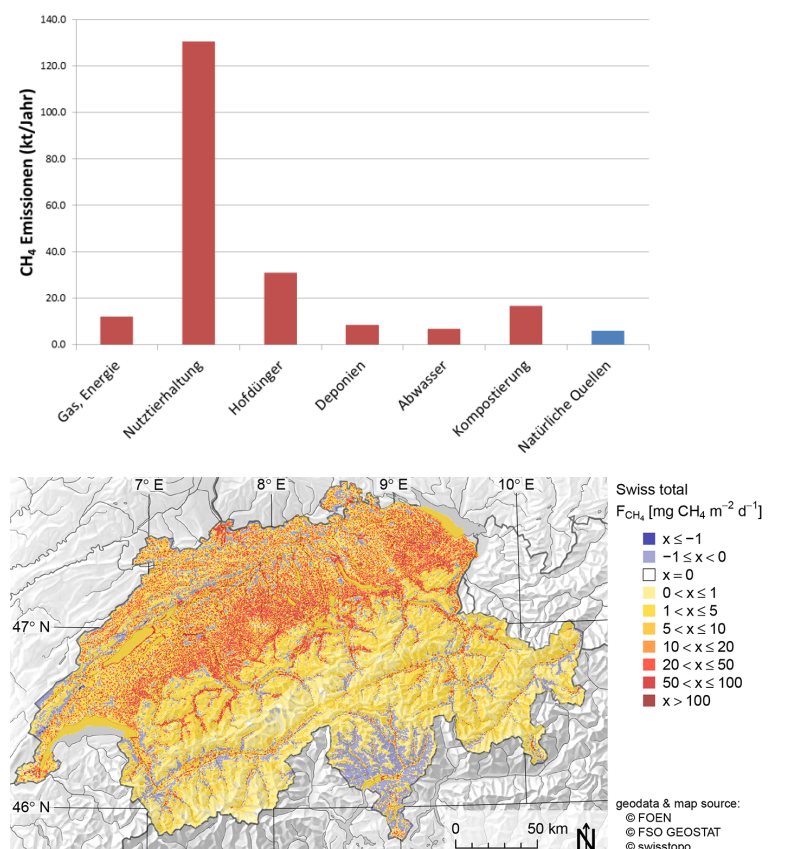
Quellen von Methan (CH₄)

Natürliche und anthropogene Quellen Global: 0.5 – 0.6 Gt / Jahr



Quelle: Kirschke et al. (2013)

Natürliche und anthropogene Quellen Schweiz (2013): 211 kt / Jahr



Quellen: Schweiz. Treibhausgasinventar 2015; Hiller et al. (2014)