



# Alpenstrom jetzt!

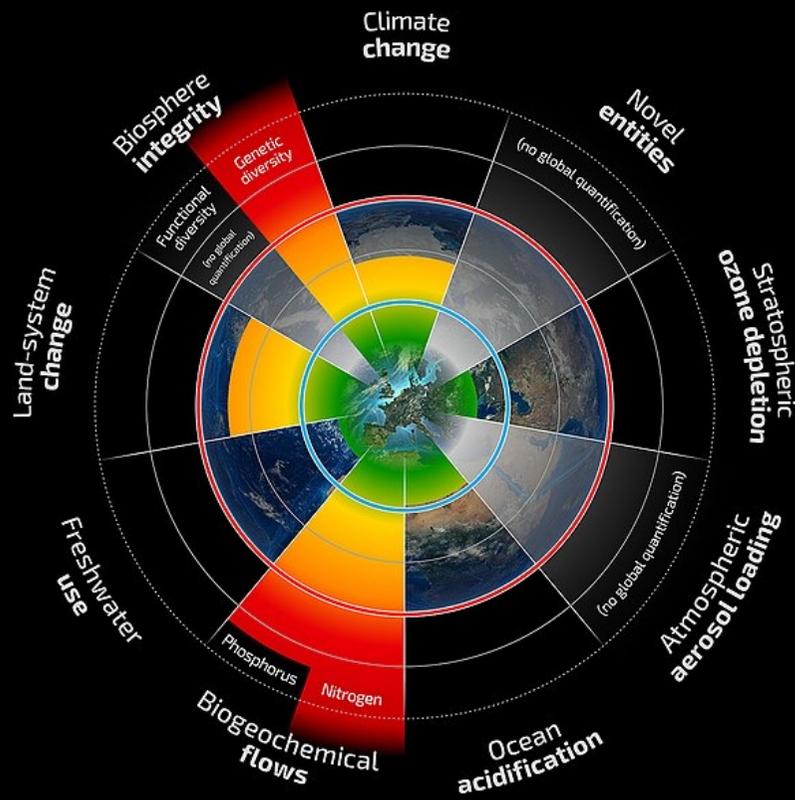
Prof. Dr. Boris Previšić

Altdorf, 22. Juni 2022



# Planetary Boundaries

A safe operating space for humanity

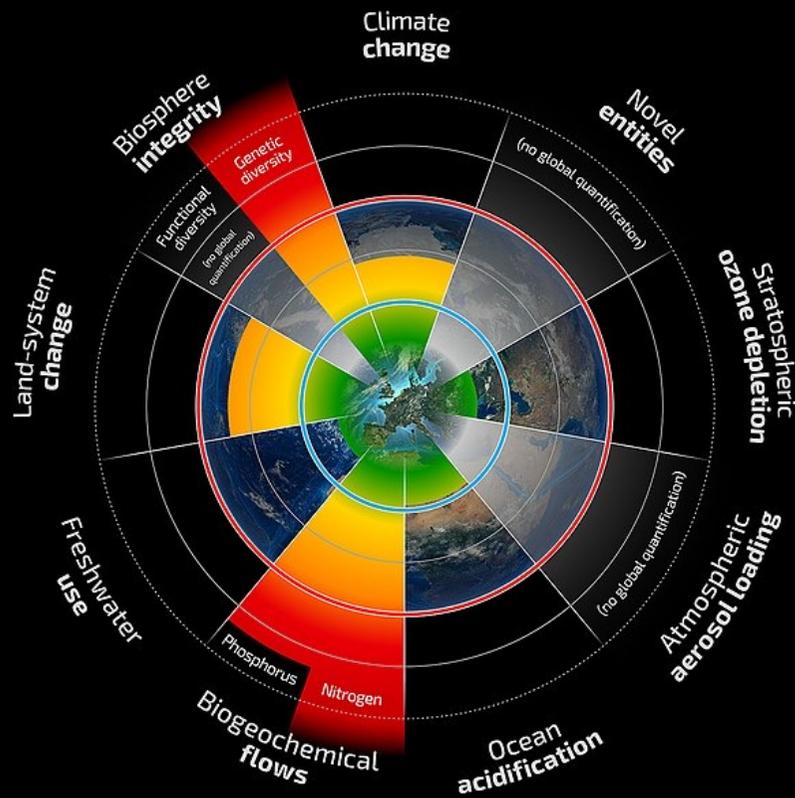


- Beyond zone of uncertainty (high risk)
- In zone of uncertainty (increasing risk)
- Below boundary (safe)
- Boundary not yet quantified

Source: Steffen et al. Planetary Boundaries: Guiding human development on a changing planet, *Science*, 16 January 2015.  
Design: Globalia

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THE INTERNATIONAL BESTSELLER  
ANDRI SNÆR MAGNASON

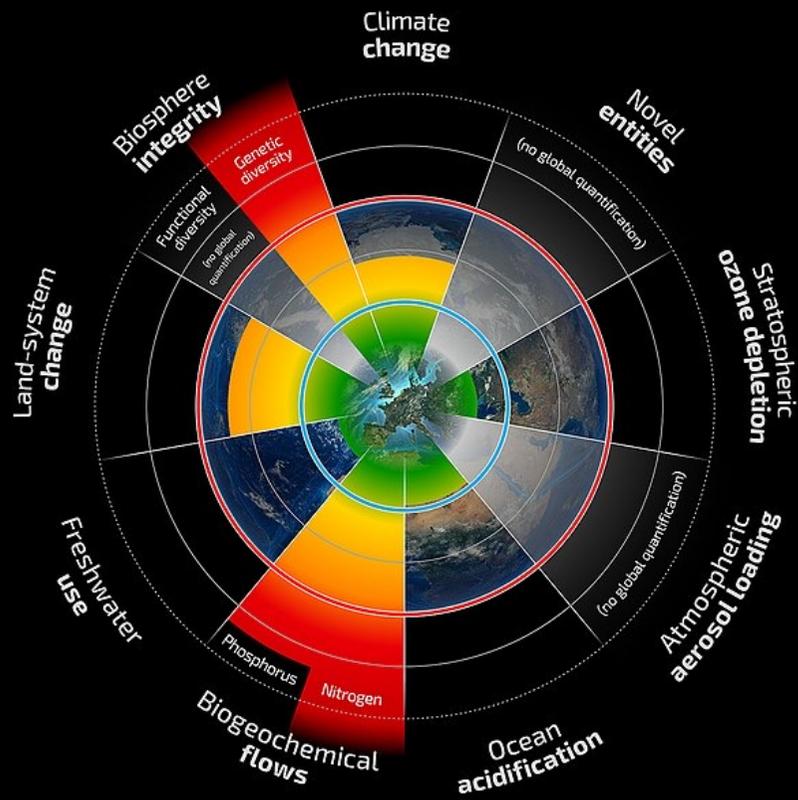
# ON TIME AND WATER

A History of Our Future

'A letter of farewell to lost worlds and a passionate appeal to preserve what remains' Anuradha Roy

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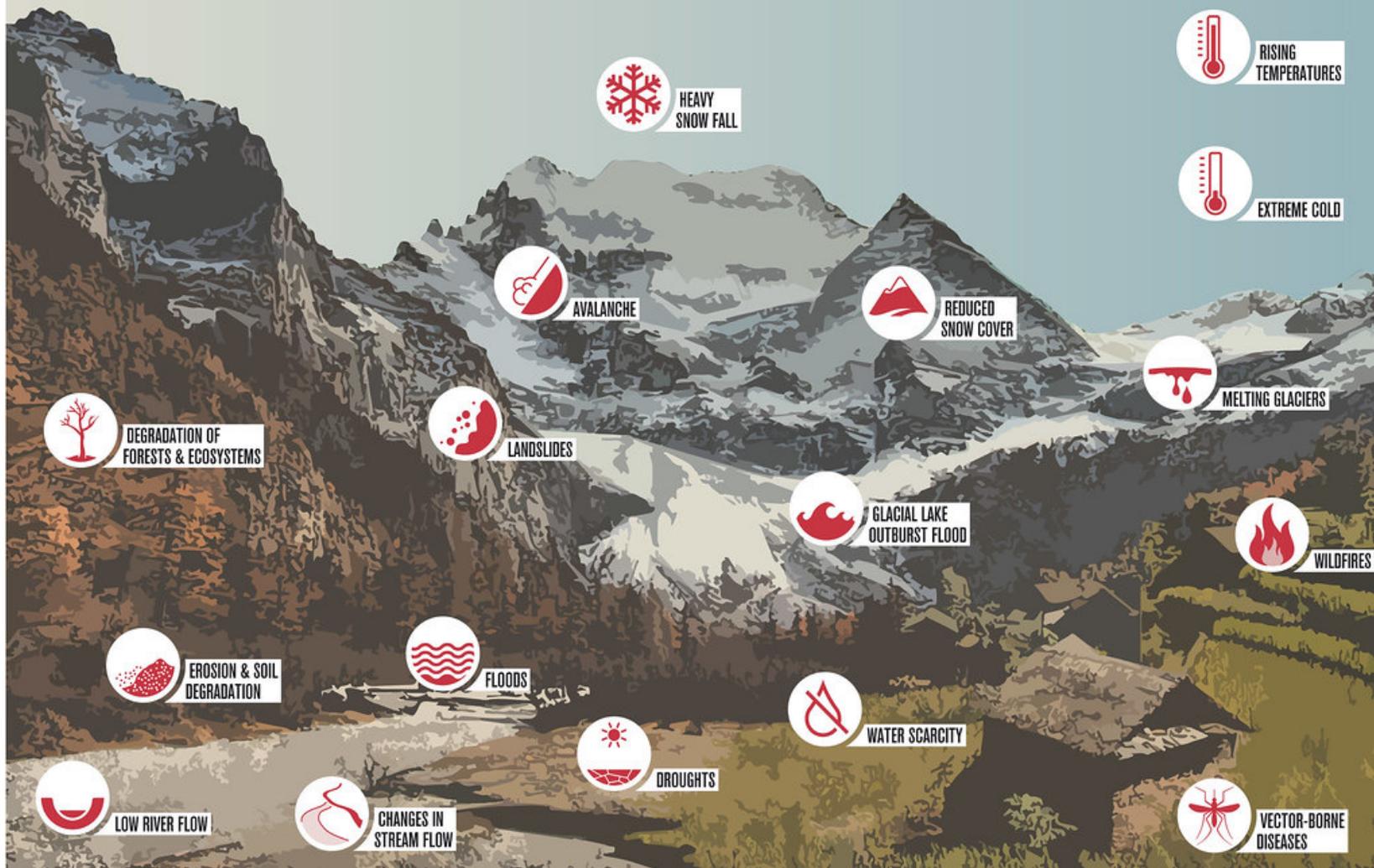


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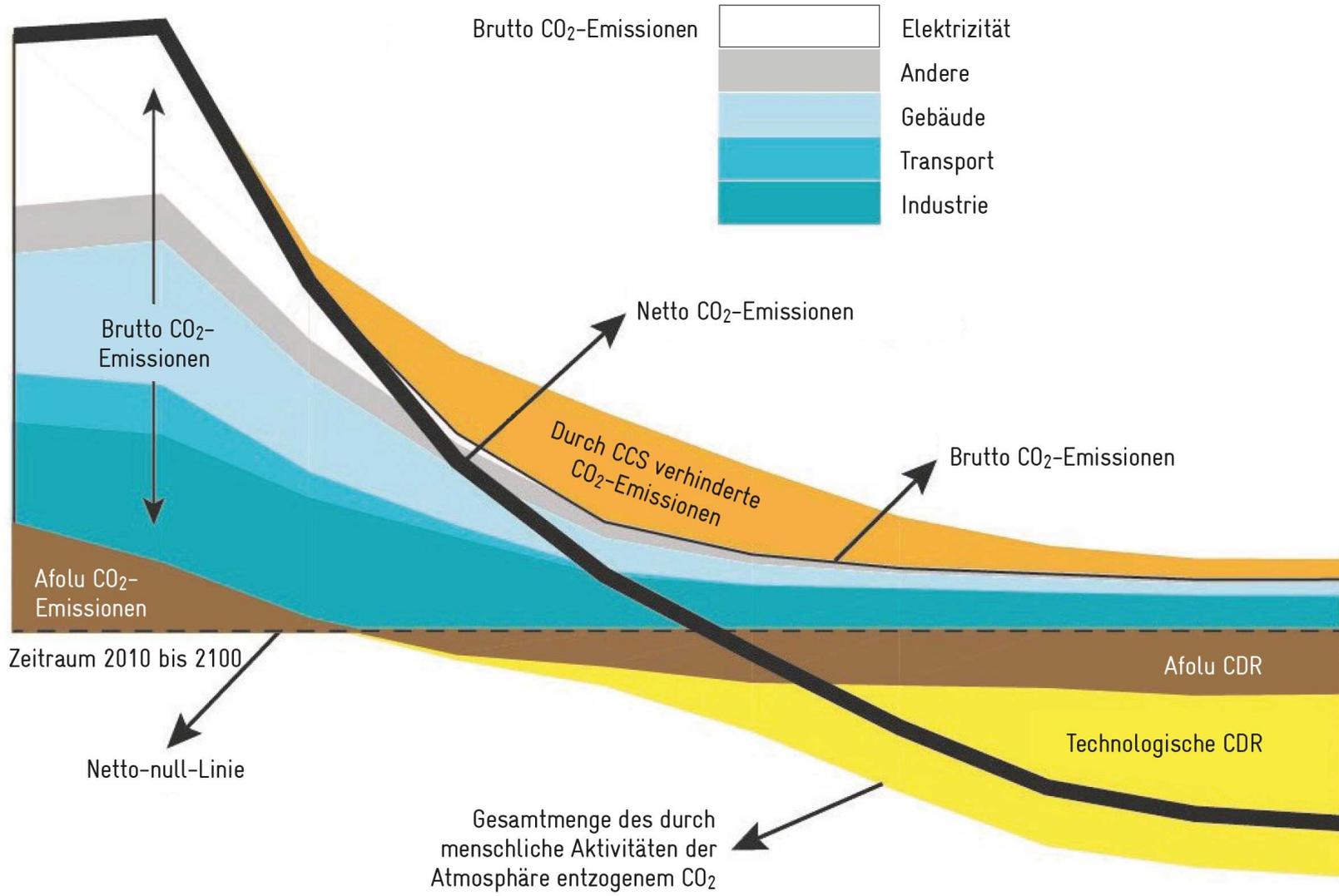
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# TYPICAL CLIMATE-RELATED HAZARDS IN MOUNTAINS

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<https://www.grida.no/resources/12770>

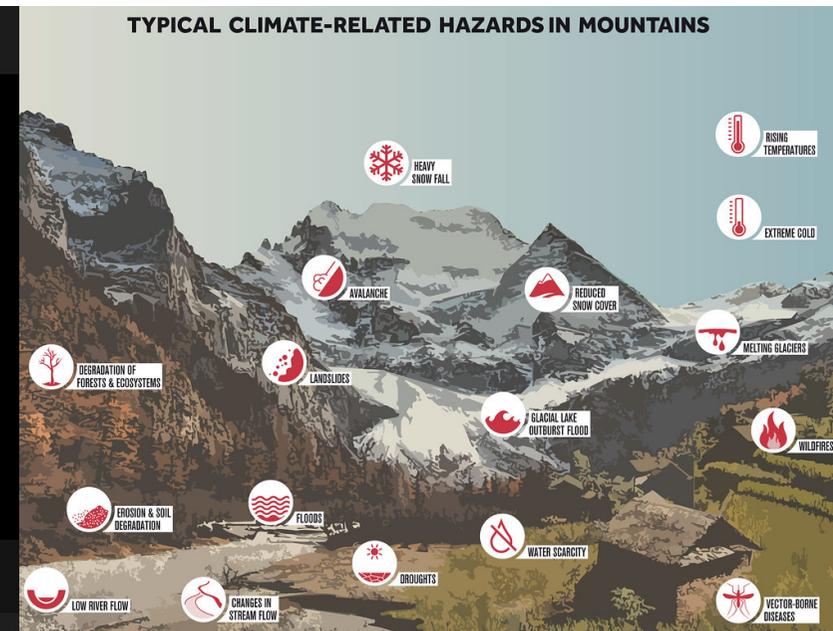
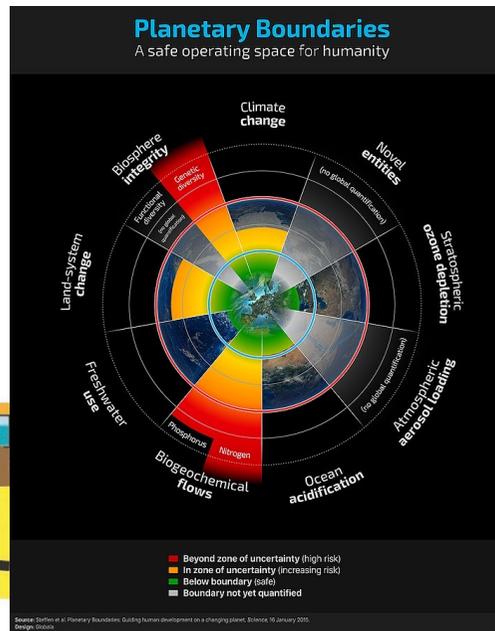
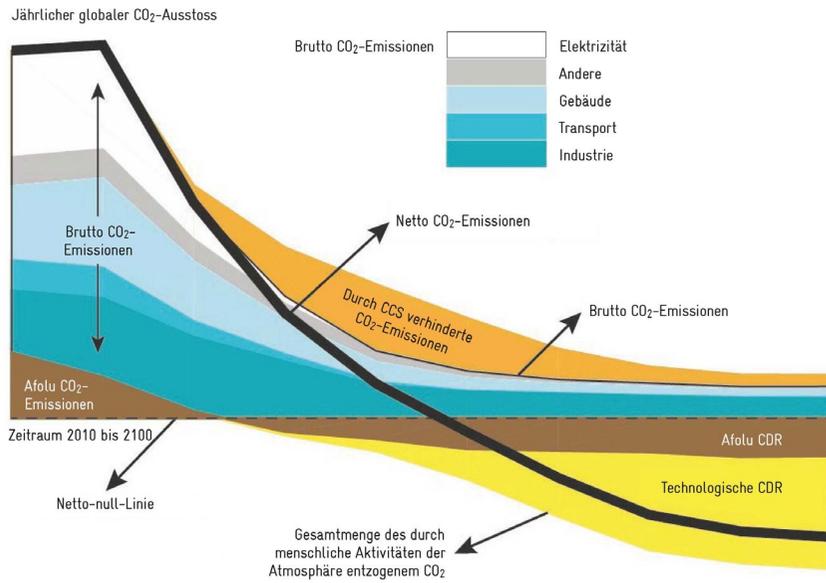


# Jährlicher globaler CO<sub>2</sub>-Ausstoss

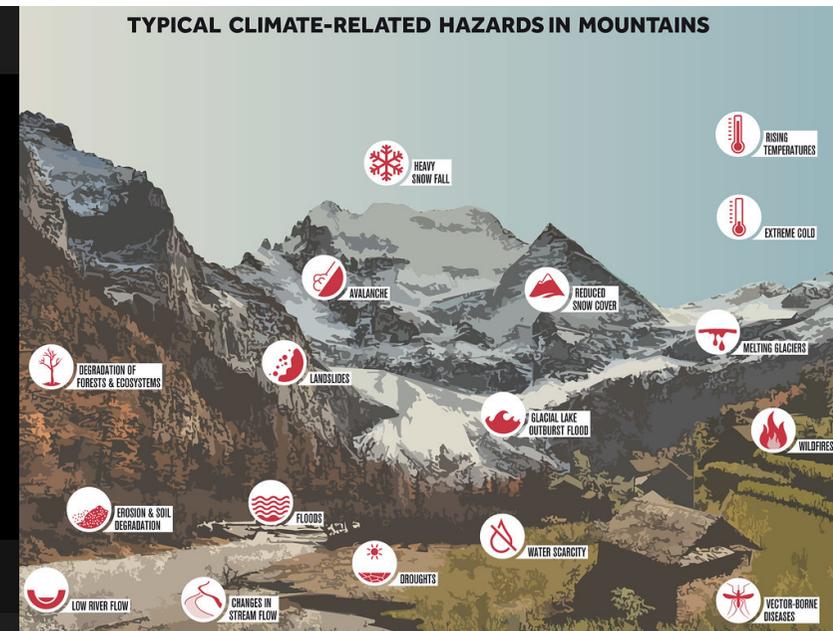
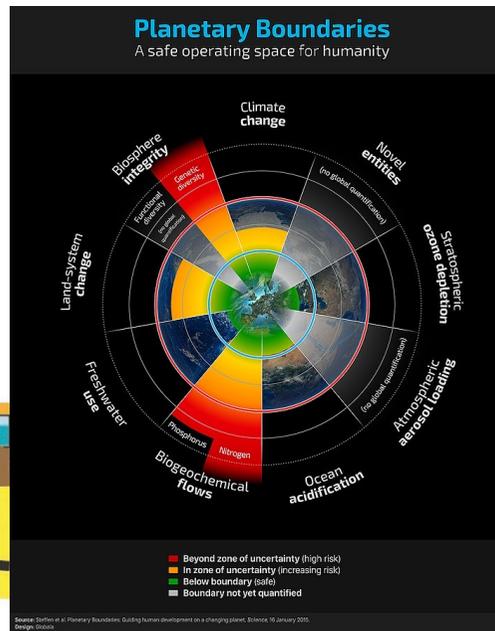
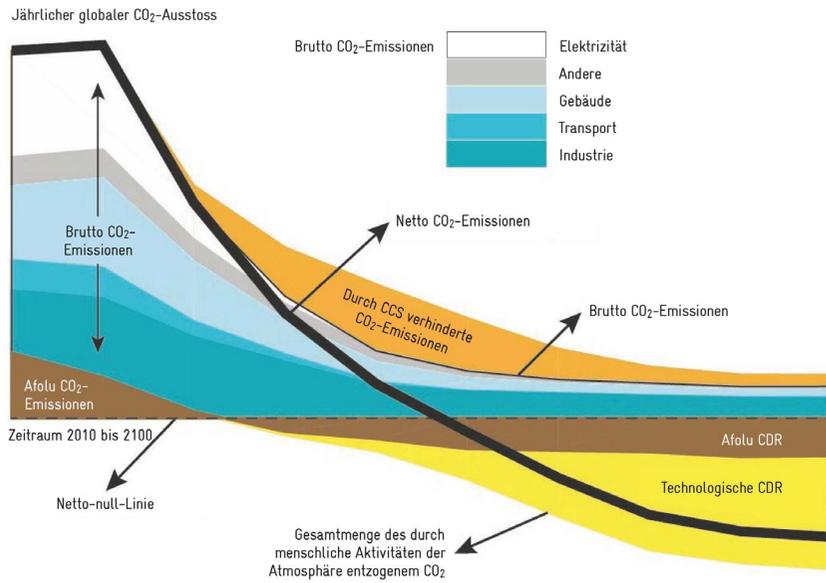


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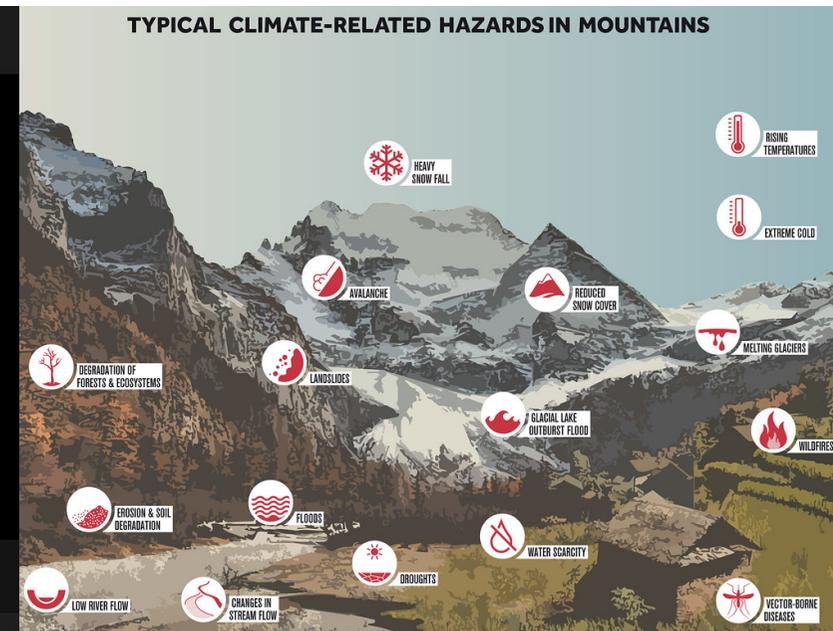
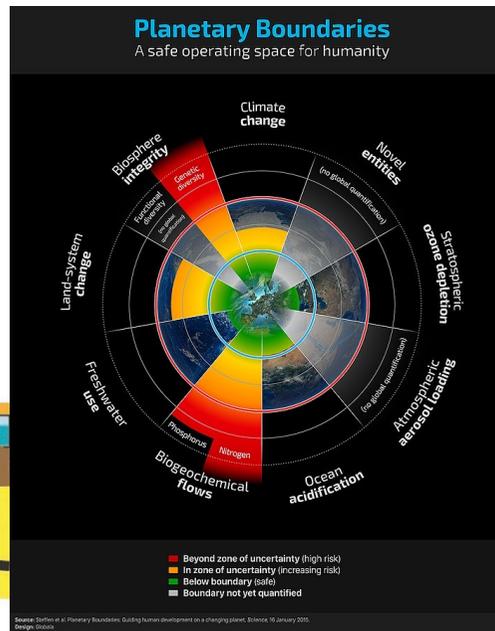
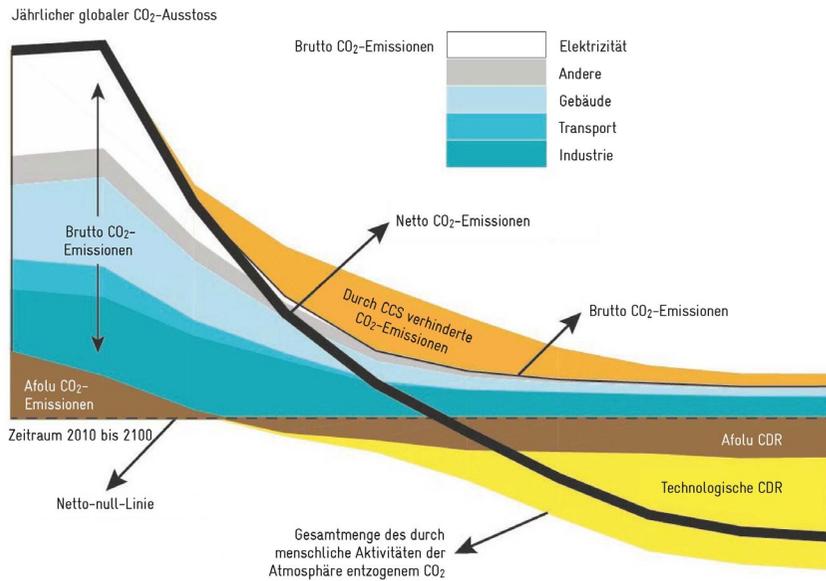
- nützliche Eingriffe hochskalieren
- alpine Effizienz: 3 bis 4 mal höher



- nützliche Eingriffe hochskalieren
- alpine Effizienz: 3 bis 4 mal höher
- saisonaler Solarzins für Lokale

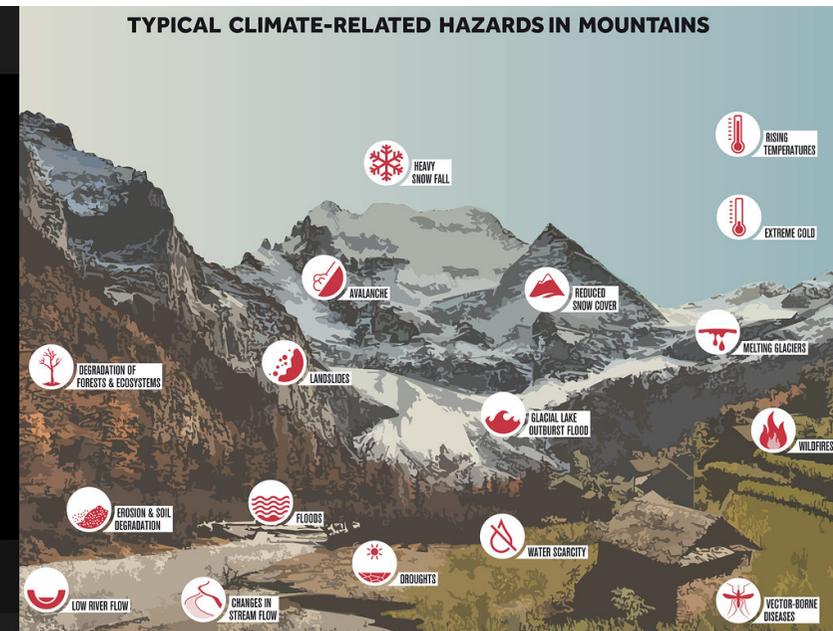
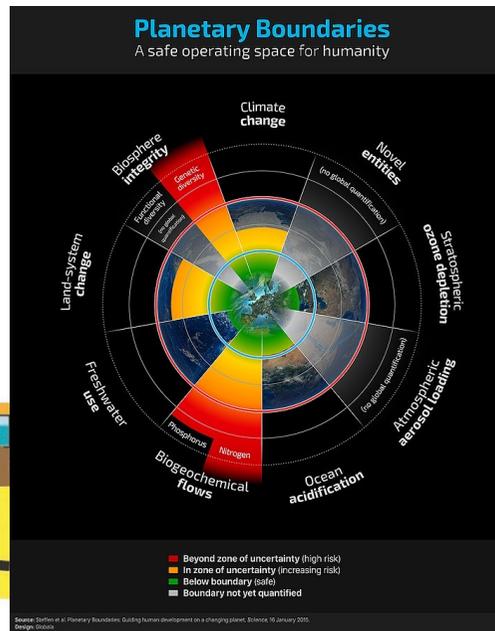
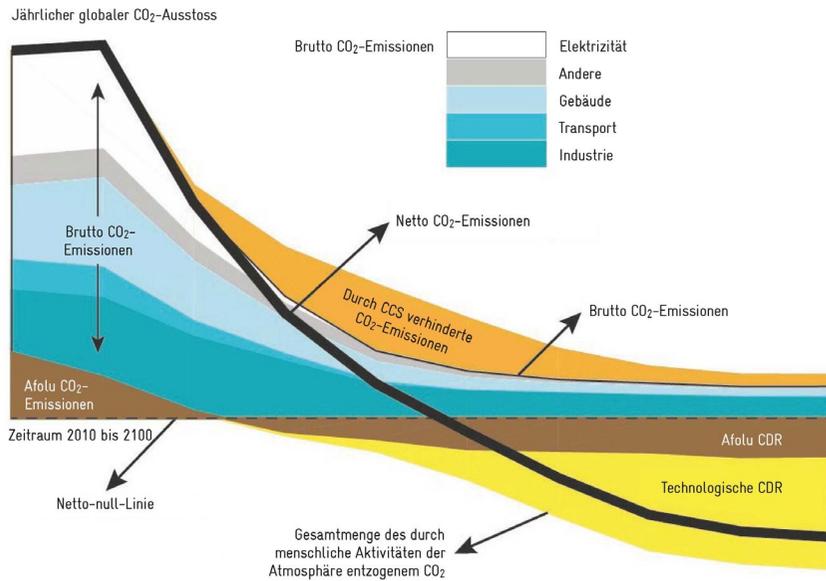






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- Kombinationen Freiflächen/Agrivoltaik

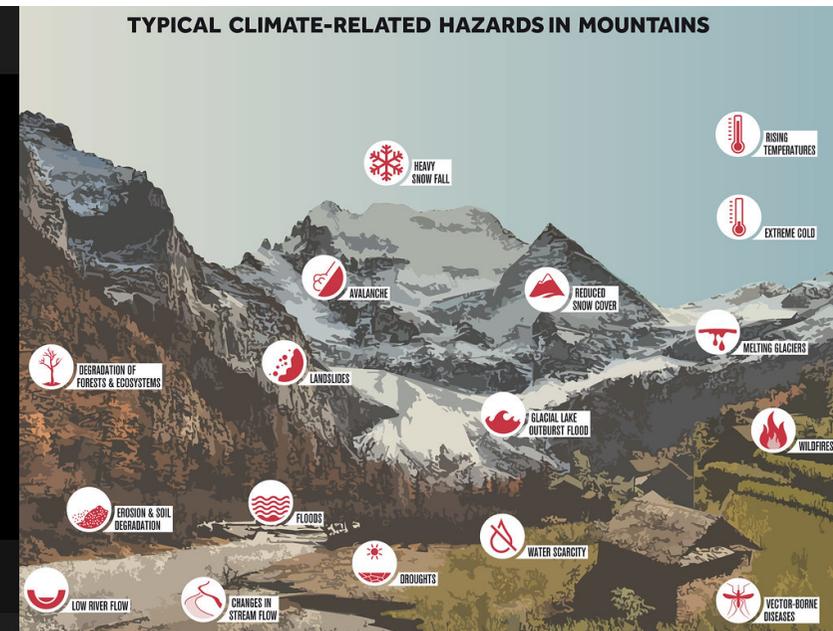
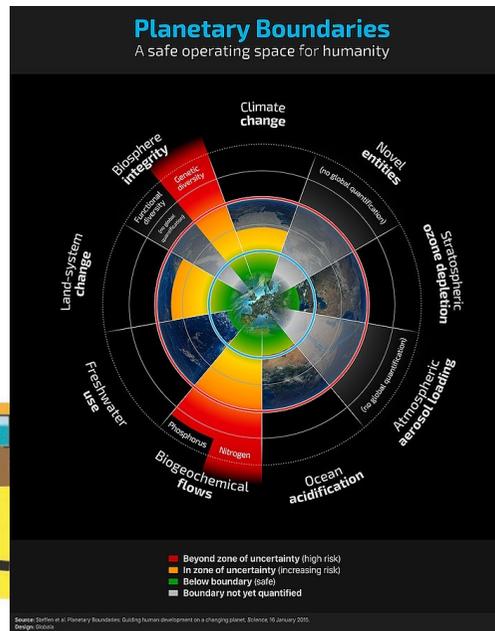
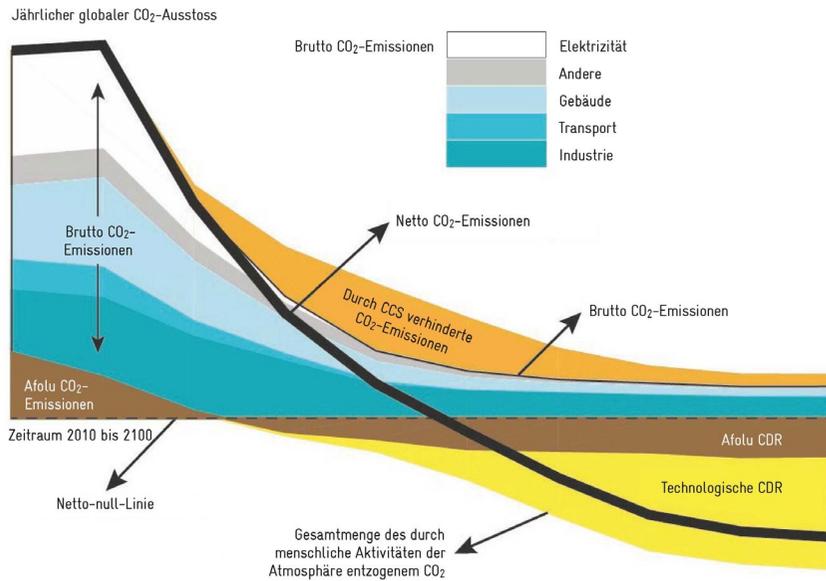
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- Richtwert: 10 TWh/a aus hochalpiner PV





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- Vergandung reduzieren
- Richtwert: 10 TWh/a aus hochalpiner PV
- Geländekammer-Konzept
- **Lösung: planetar, national und lokal**



KANTON  
**URI**

**DÄTWYLER**  
STIFTUNG



**Alpenstrom jetzt!**

