

Wirtschaften in Zeiten der Corona

Wie passen wir uns erfolgreich an und
verändern zugleich die Welt-
Zwischen Apokalypse und Anpassung

**Kufstein
2021**

Brunnhuber



UN: *„Zunahme Naturkatastrophen wegen Klimawandel“ 2020/21*

	1980-2000	2000-2020
Ereignisse	4200	7400
Kosten	2,54 Bill USD	3,00 Bill USD
Bevölkerungszunahme	+1,68 Mrd	+1,59 Mrd
Betroffene	3,25 Mrd	4,2 Mrd
Zunahme der Hitzetote		91 % (165.000)

UN: ‚Zunahme Naturkatastrophen wegen Klimawandel‘ 2020/21

Anpassungseffekte - Der Bull-eye effect

	1980-2000	2000-2020
Ereignisse (>100)	4200	7400
Kosten	2,54 Bill USD	3,00 Bill USD
Bevölkerungszunahme	+1,68 Mrd	+1,59 Mrd
Betroffene	3,25 Mrd	4,2 Mrd
Zunahme der Hitzetote		91 % (165.000)
Kältetote		8-10 mal höher als Hitzetote
Tsunami		Tsunami 230.000
Erdbeben		Erdbeben 220.000
Wirbelstürme (SST)		Wirbelsturm 138.000
Weltbruttosozialprodukt	11 - 34 Mrd USD	34 - 90 Mrd USD

A: Asymmetrische Schocks

B: Das richtige Narrativ

C: Das Anthropozän

D: Apokalypse versus Anpassung

E: 6 R-Regel

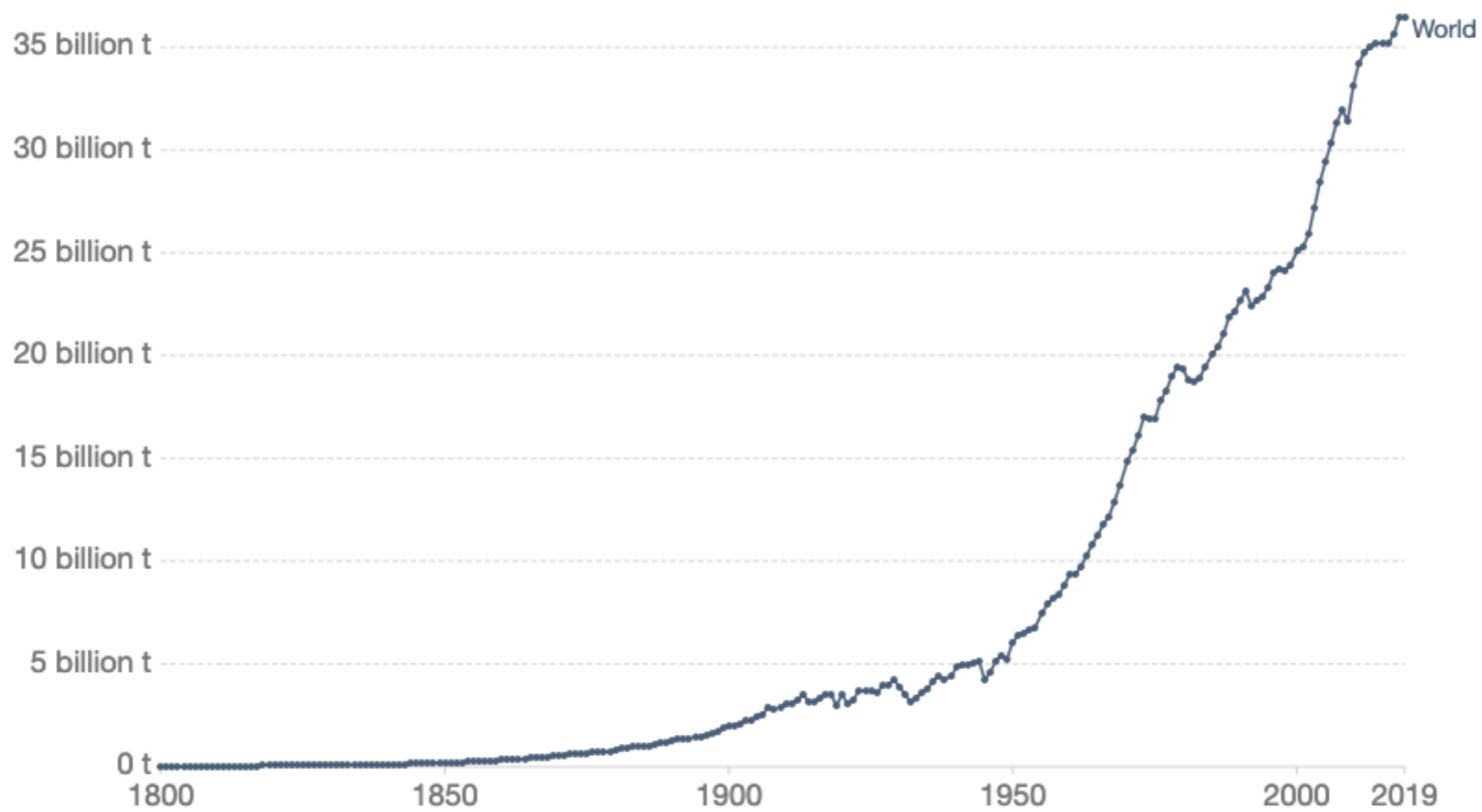
F: Wir können das besser

Asymmetrische Schocks und der neue Aggregatzustand

Annual CO₂ emissions

Carbon dioxide (CO₂) emissions from the burning of fossil fuels for energy and cement production. Land use change is not included.

Our World
in Data

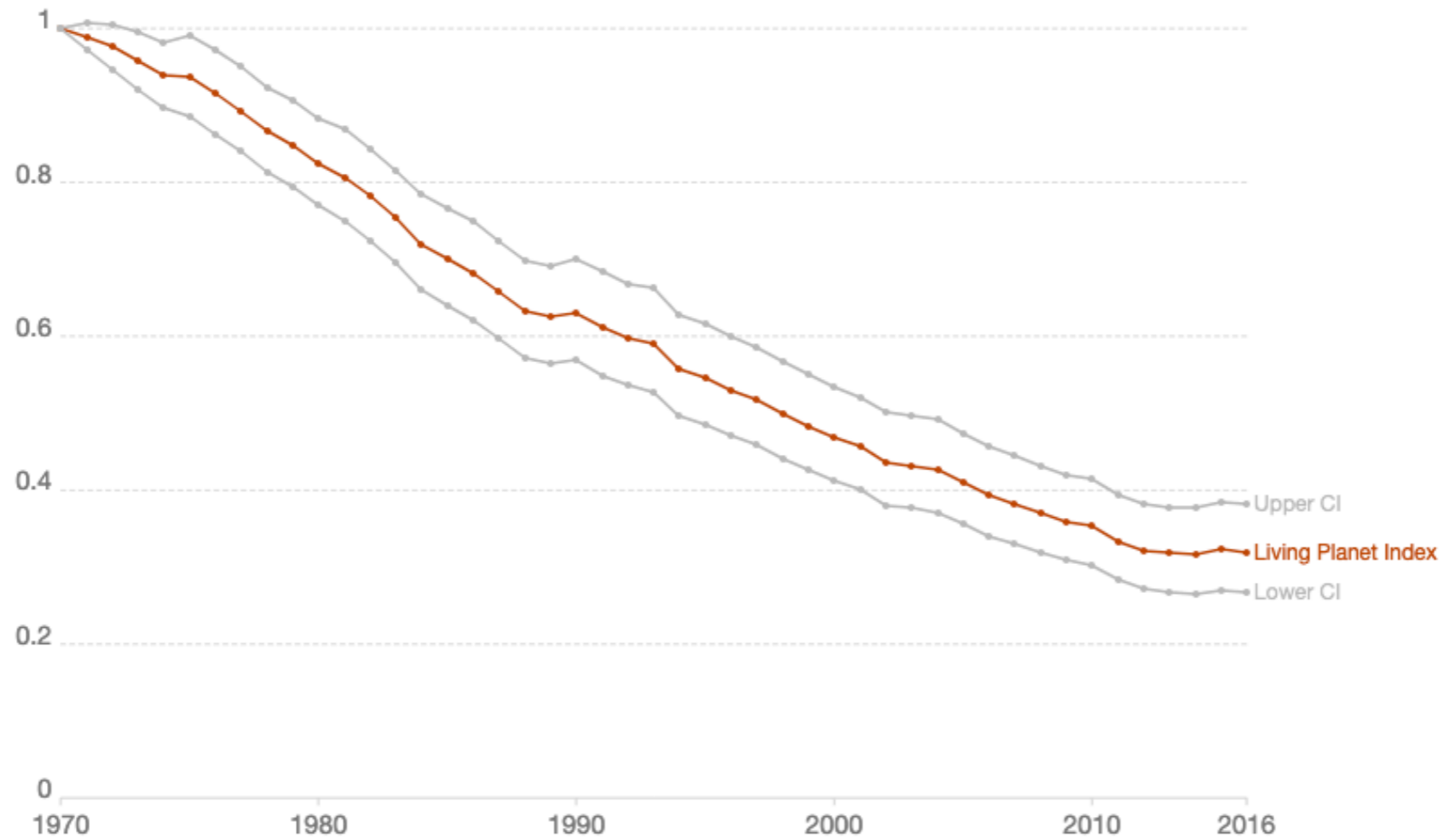


Source: Global Carbon Project; Carbon Dioxide Information Analysis Centre (CDIAC)

Note: CO₂ emissions are measured on a production basis, meaning they do not correct for emissions embedded in traded goods.
OurWorldInData.org/co2-and-other-greenhouse-gas-emissions/ • CC BY

Living Planet Index, World

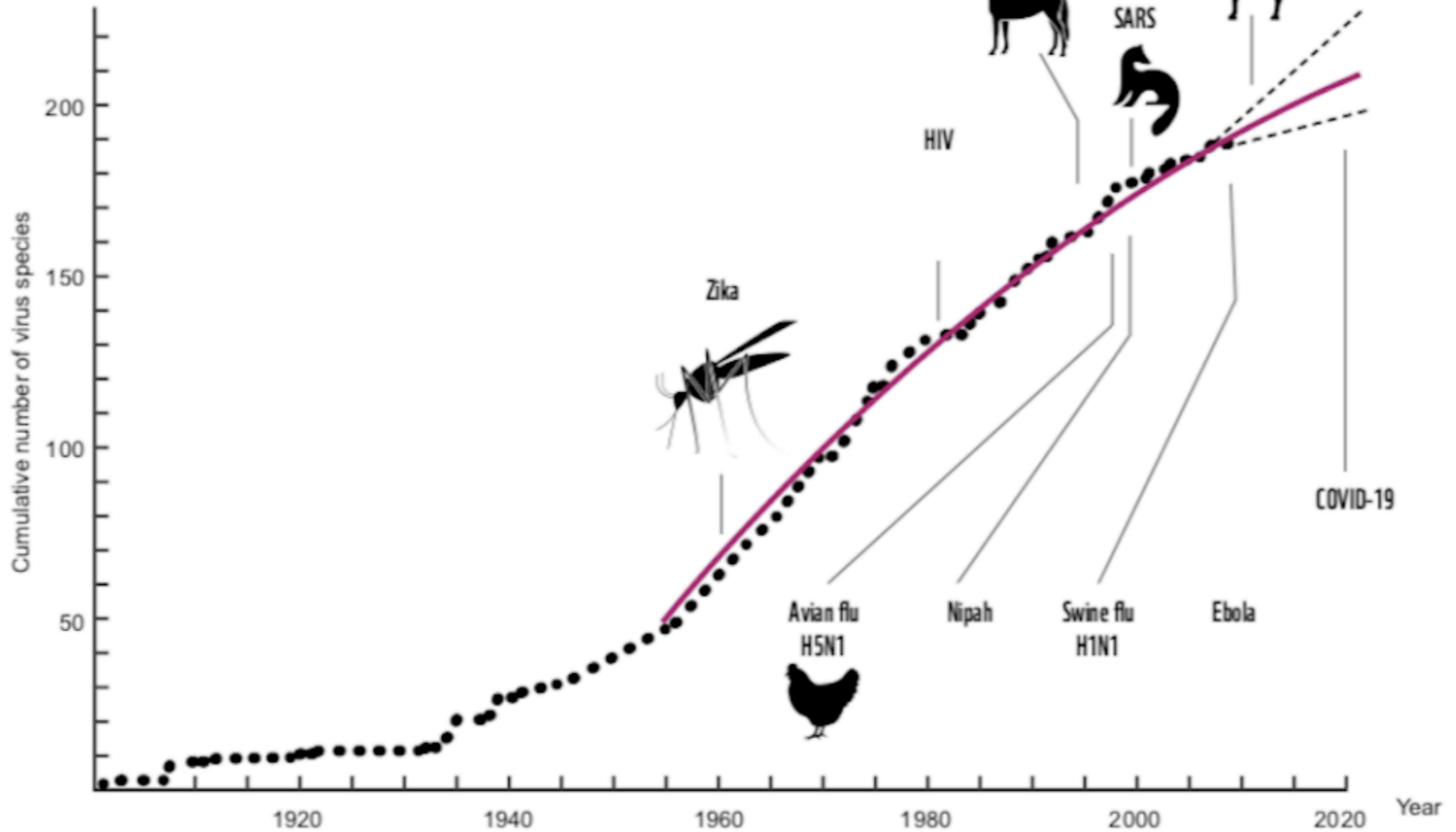
The Global Living Planet Index (LPI) measures the average decline in monitored wildlife populations. The index value is measured relative to 20,811 populations of 4,392 species in 1970 (i.e. 1970 = 1).



Source: World Wildlife Fund (WWF) and Zoological Society of London
Note: 95% upper and lower confidence intervals are shown in grey.

OurWorldInData.org/biodiversity • CC BY

Kumulative Discovery of Virus known to infect people



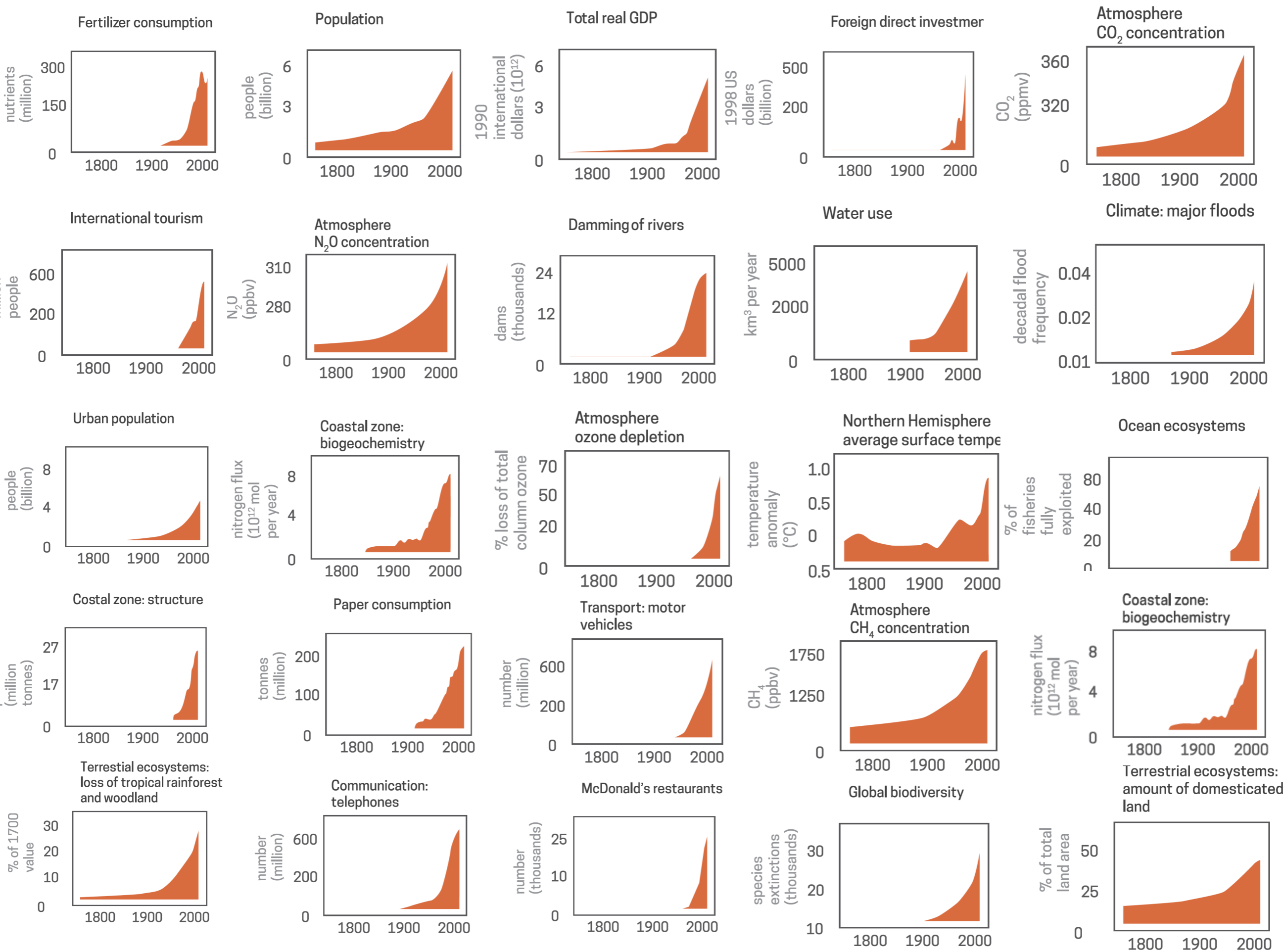
**Das richtige Narrativ
oder was ist der
Selektionsvorteil des Menschen**

Wie hat sich die Armut global verändert?

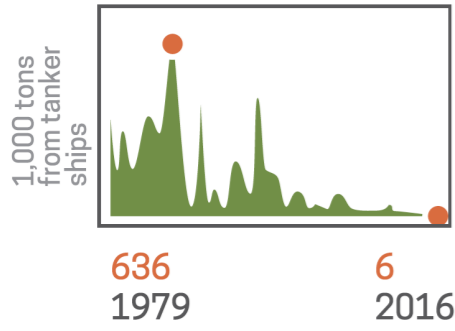
A. gar nicht

B. um 20% gestiegen

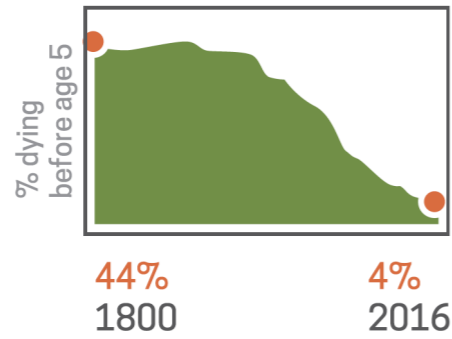
C. um 90% gesunken



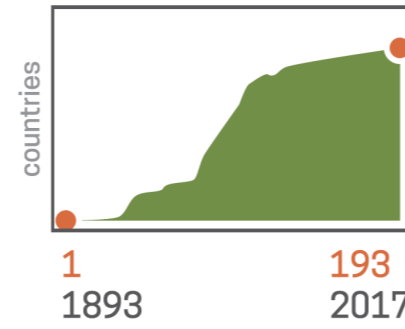
Oil spills



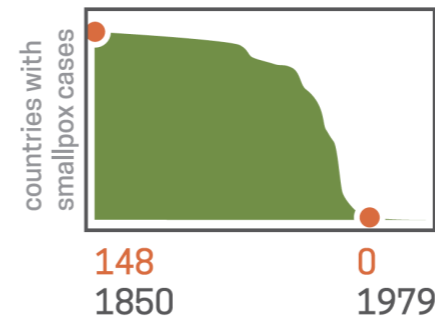
Children dying



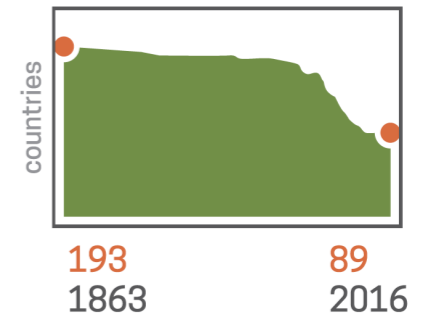
Women's right to vote



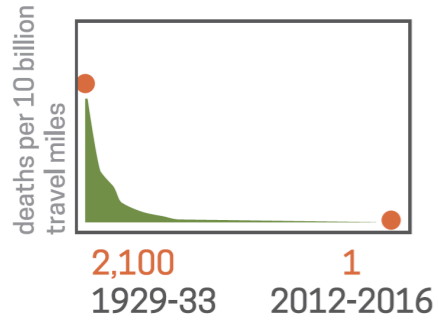
Smallpox



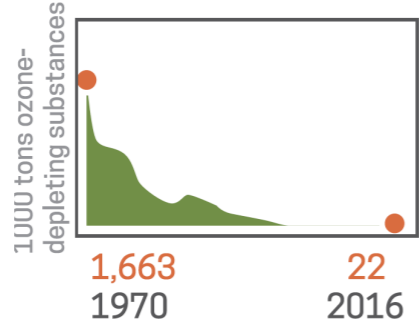
Death penalty



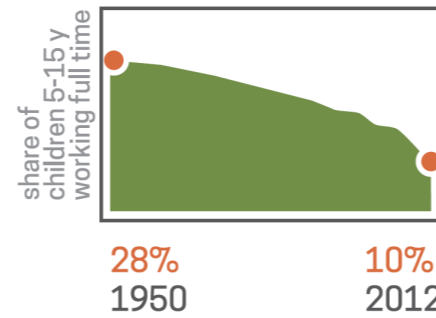
Plane crash deaths



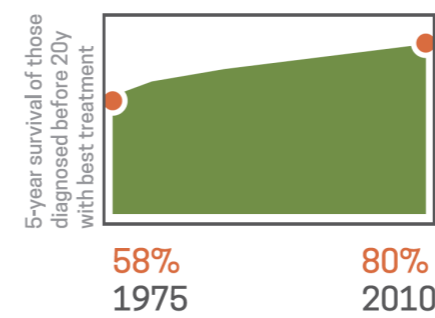
Ozone depletion



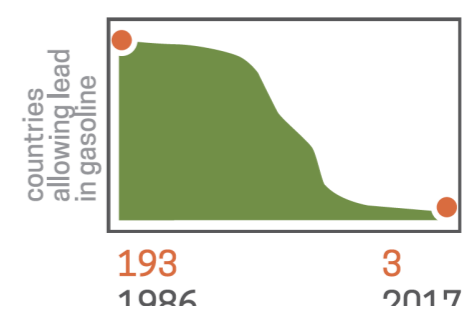
Child labor



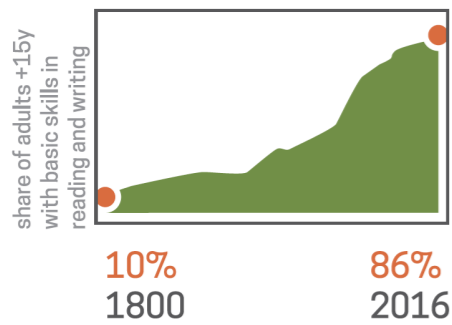
Child cancer survival



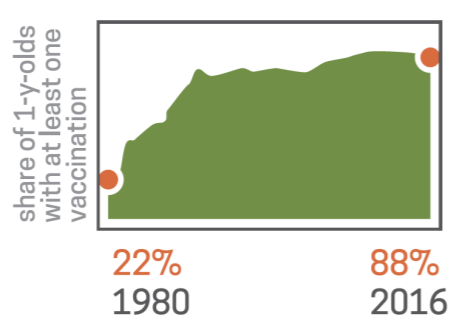
Leaded gasoline



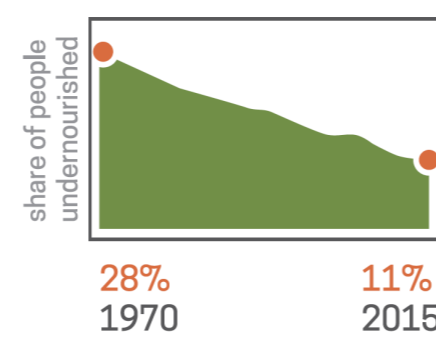
Literacy



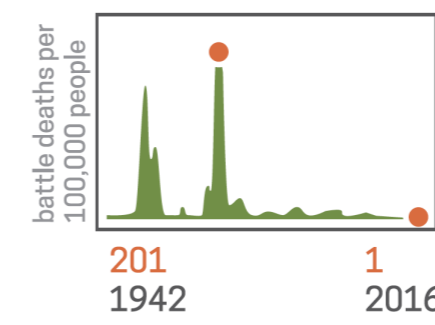
Immunisation



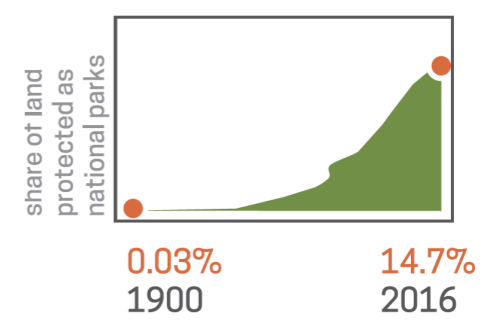
Hunger



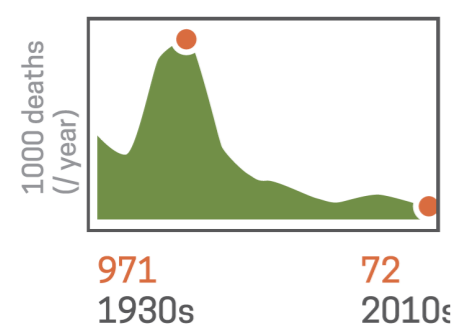
Battle deaths



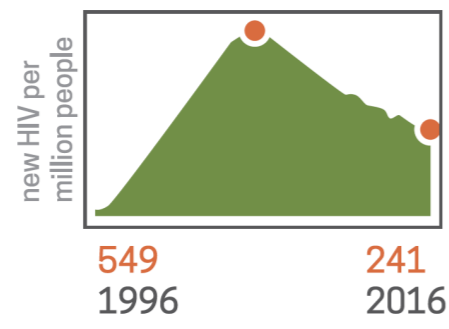
Protected nature



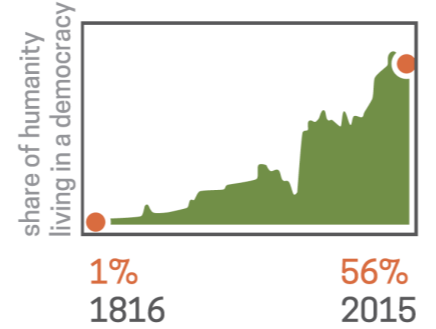
Deaths from disaster



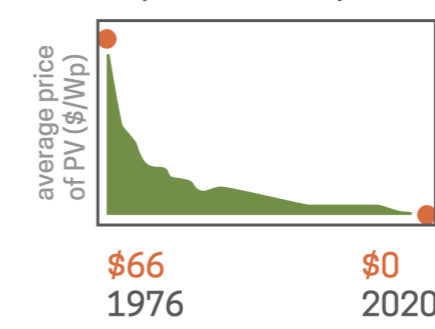
HIV infections



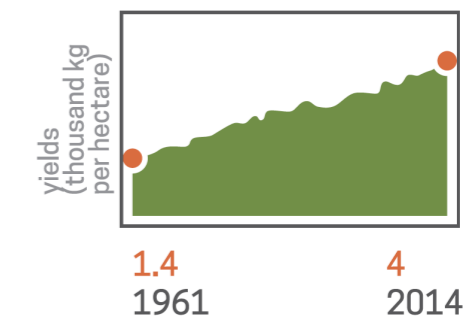
Democracy



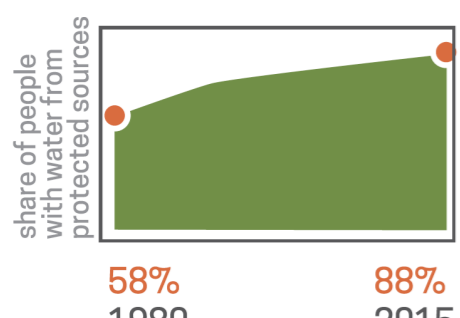
Expensive solar panels



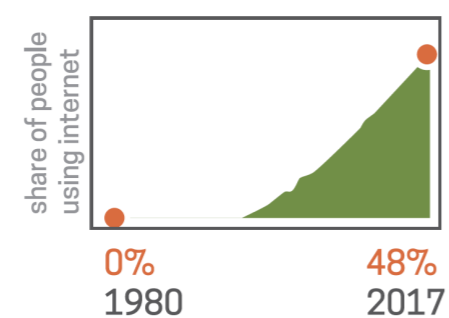
Harvest



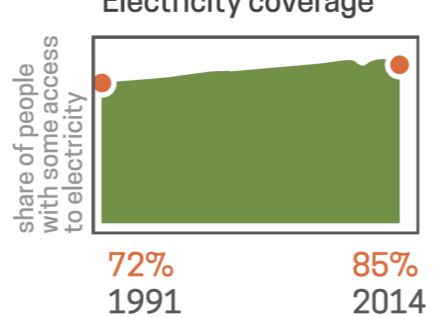
Water



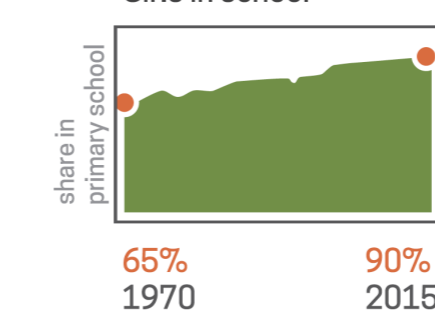
Internet



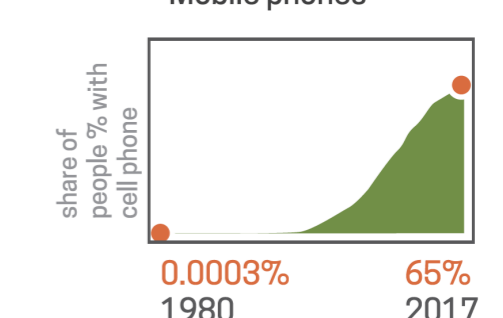
Electricity coverage



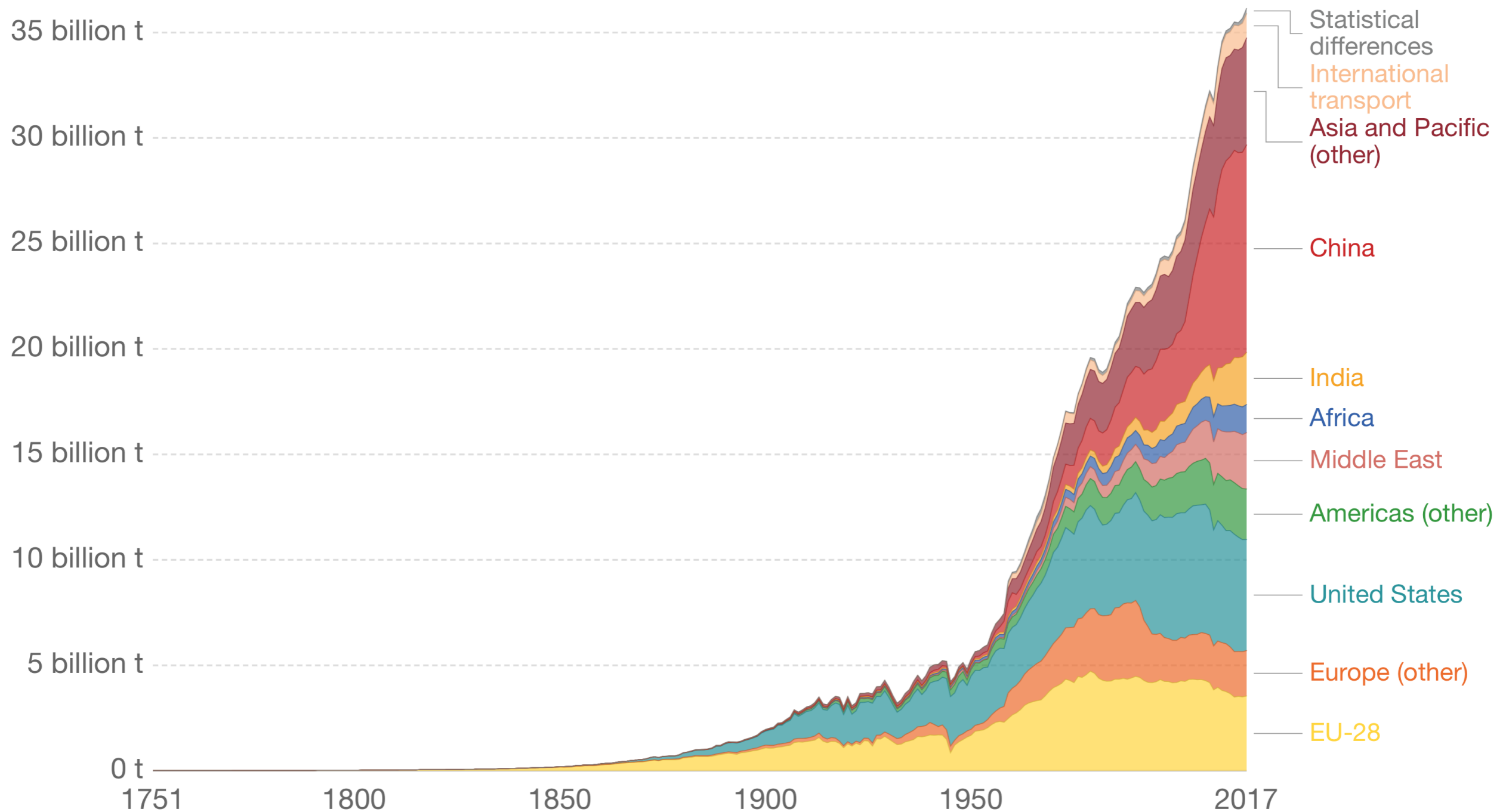
Girls in school



Mobile phones



Annual total CO₂ emissions, by world region



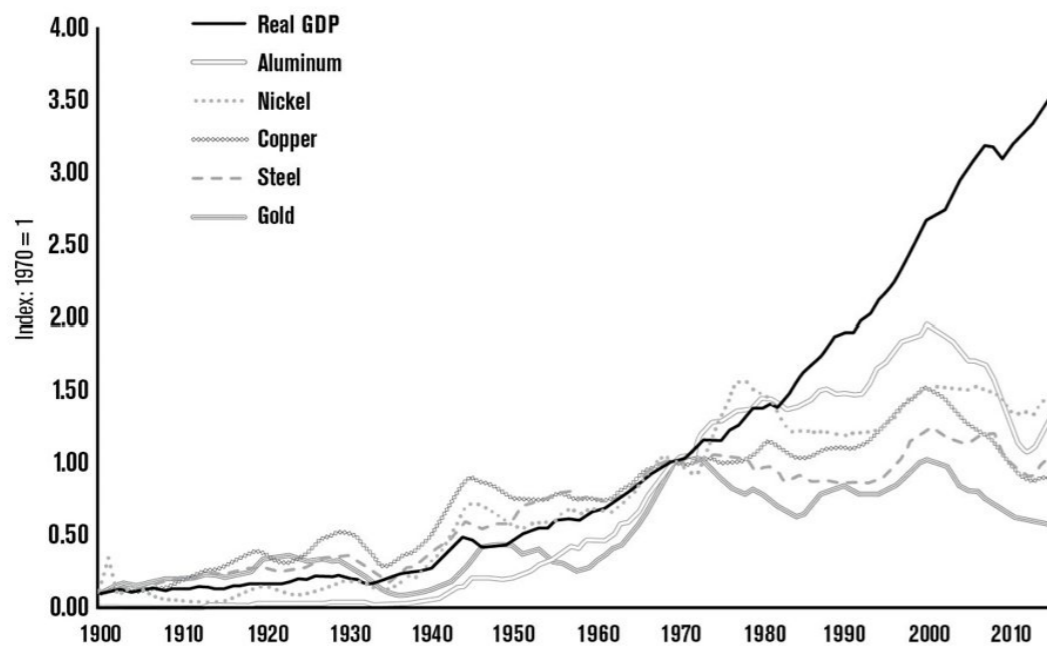
Source: Carbon Dioxide Information Analysis Center (CDIAC); Global Carbon Project (GCP)

Note: "Statistical differences" notes the discrepancy between estimated global emissions and the sum of all national and international transport emissions.

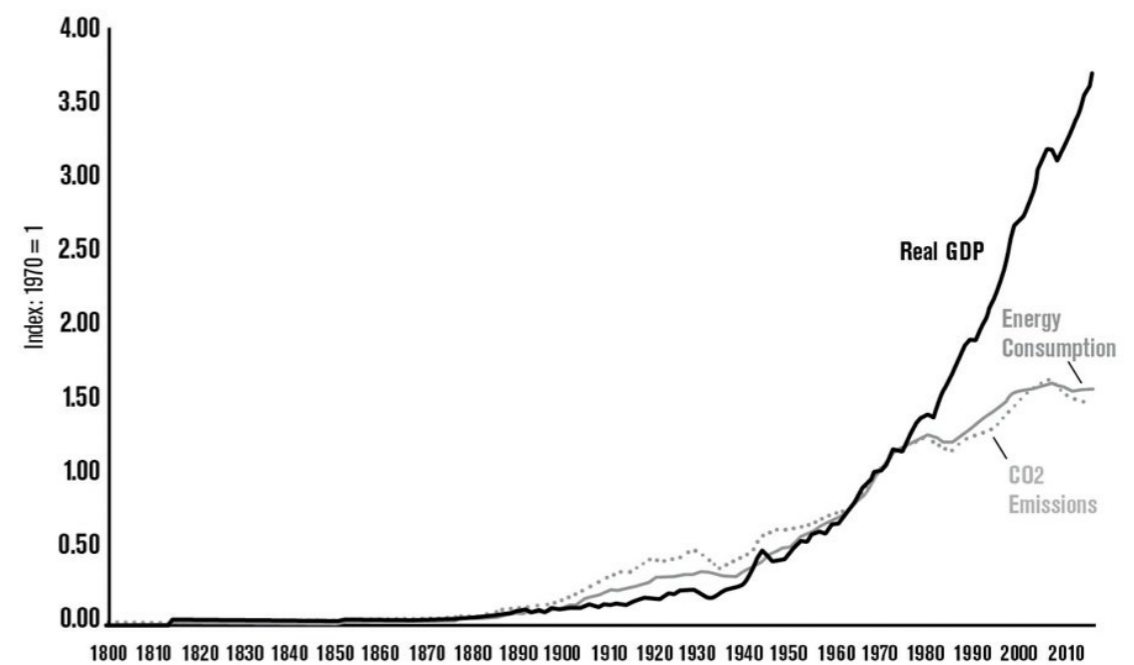
OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

Marktförmige Lösungen: Footprint argument - Effizienzrevolution - Preise und Externalitäten

US GDP and Consumption of Metals, 1900–2015

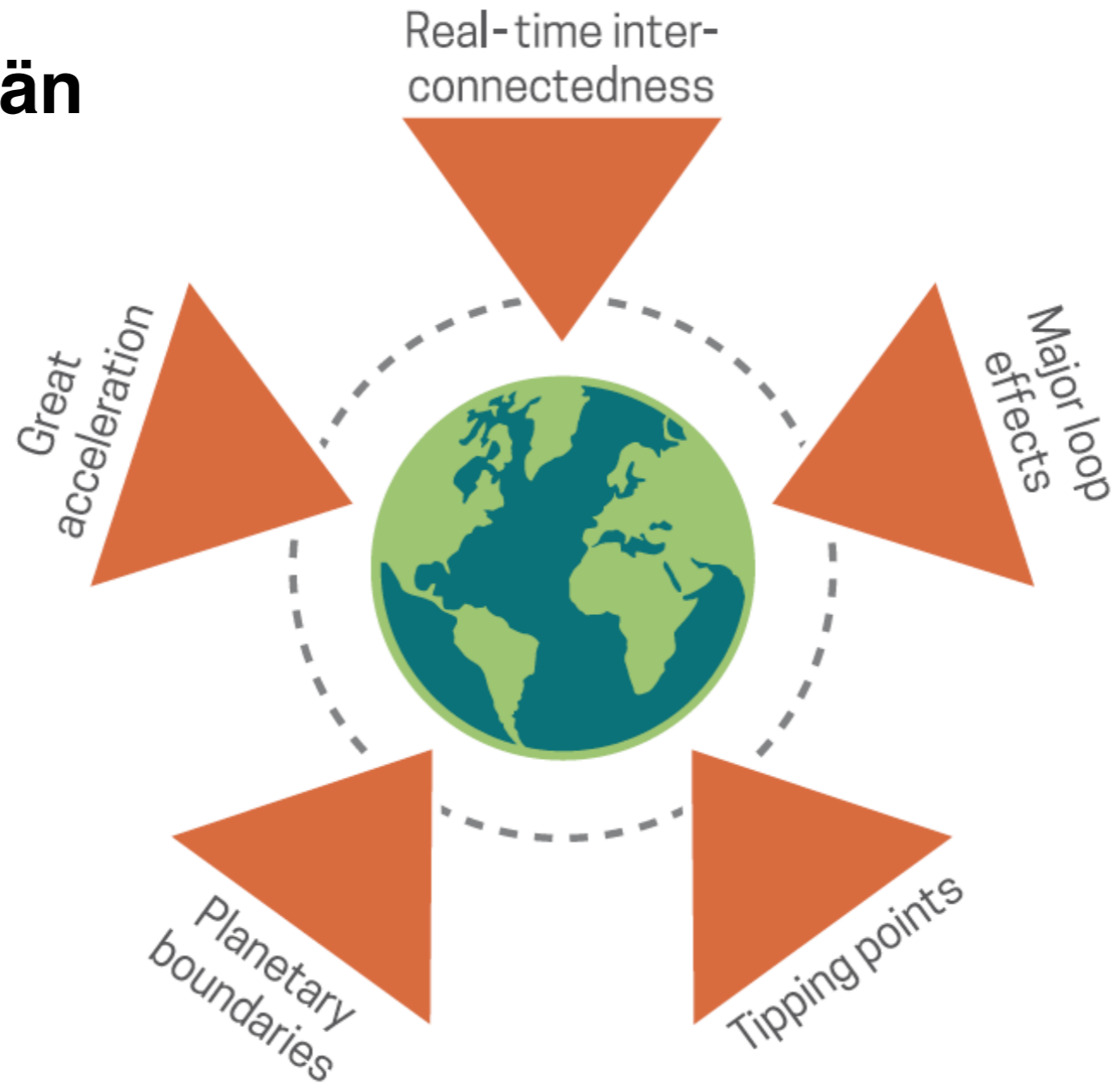


US Real GDP and Total Energy Consumption, 1800–2017

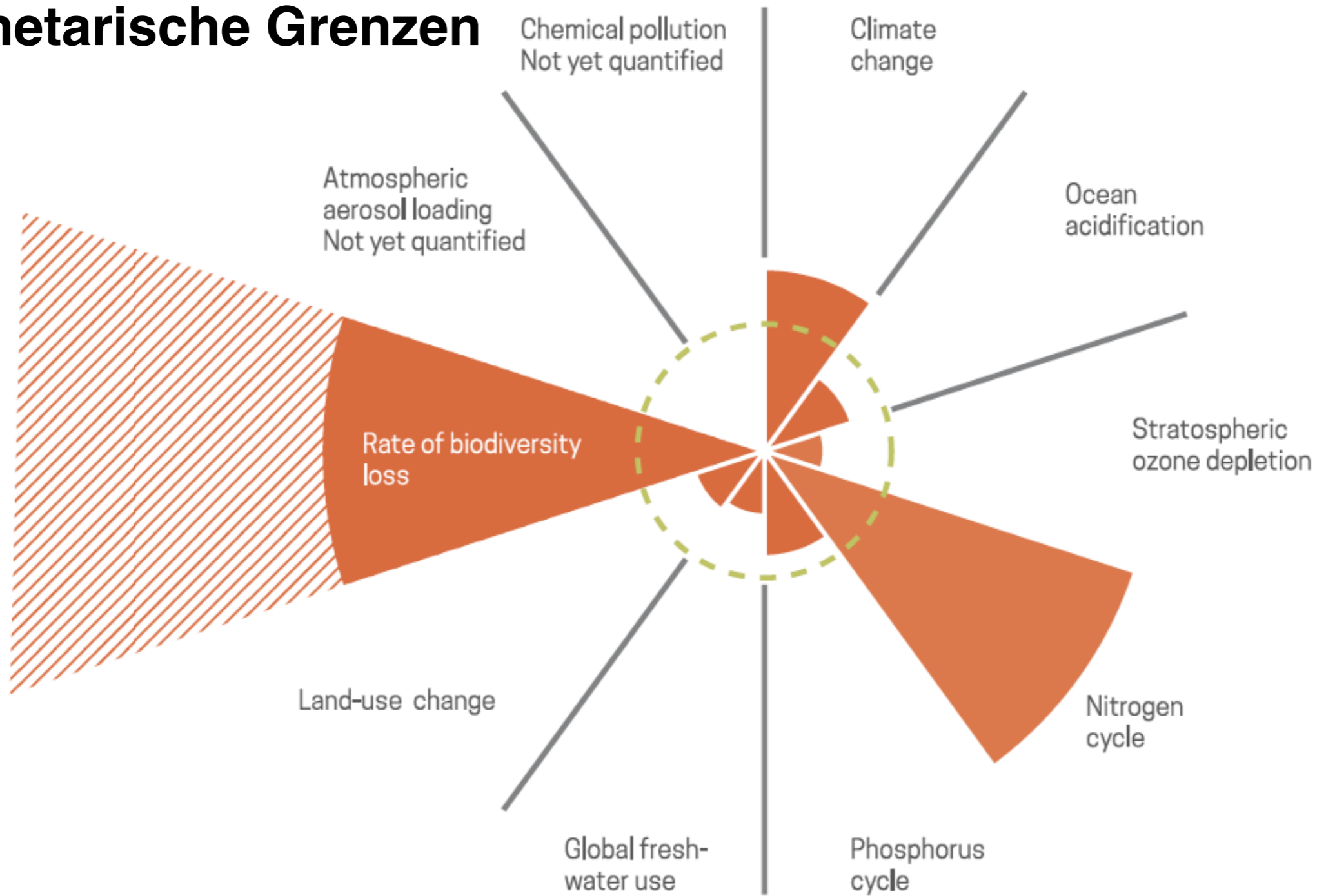


**Das Anthropozän
oder
wie gehen wir
mit Unsicherheiten um**

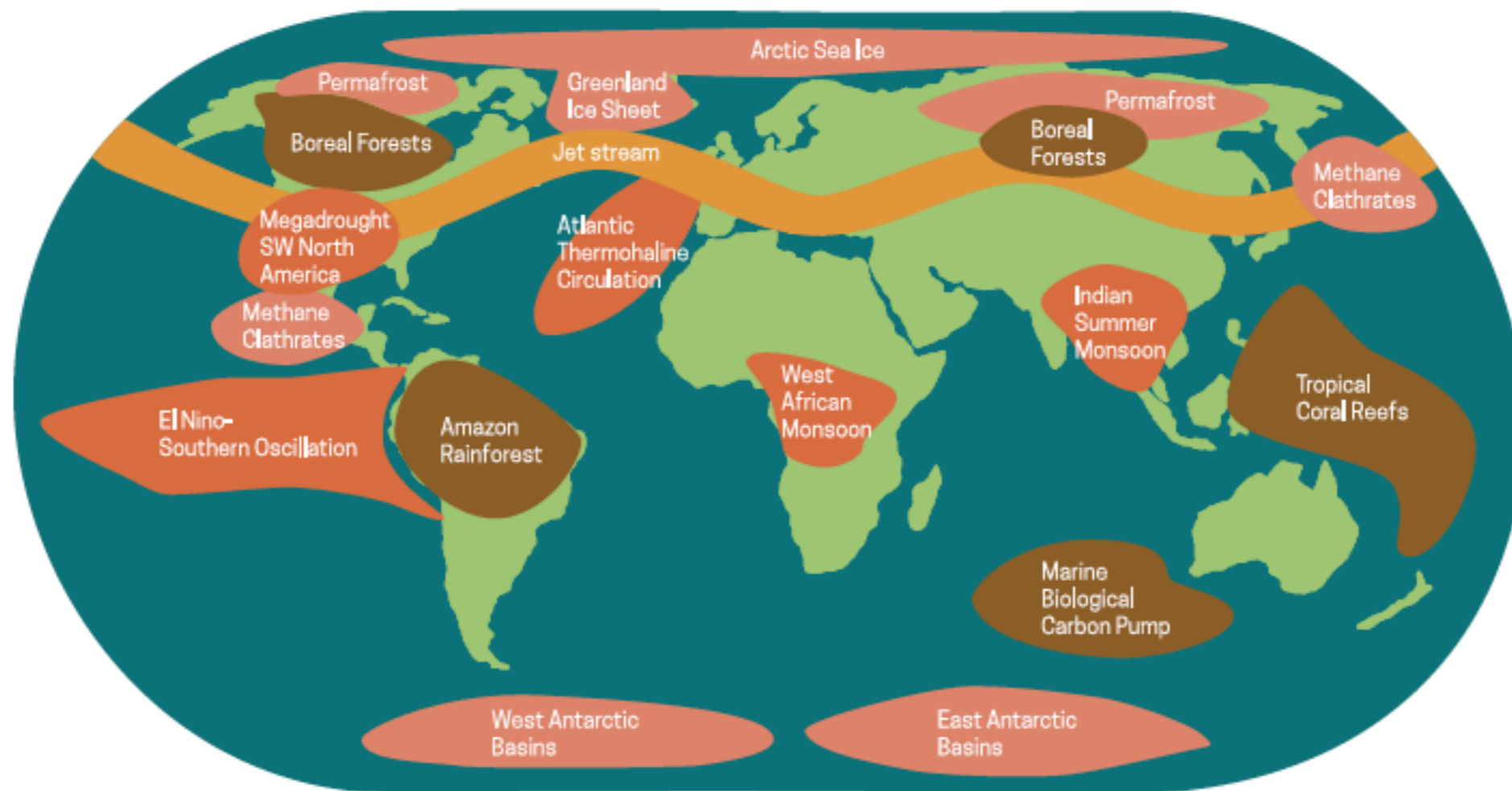
Anthropozän



Planetarische Grenzen

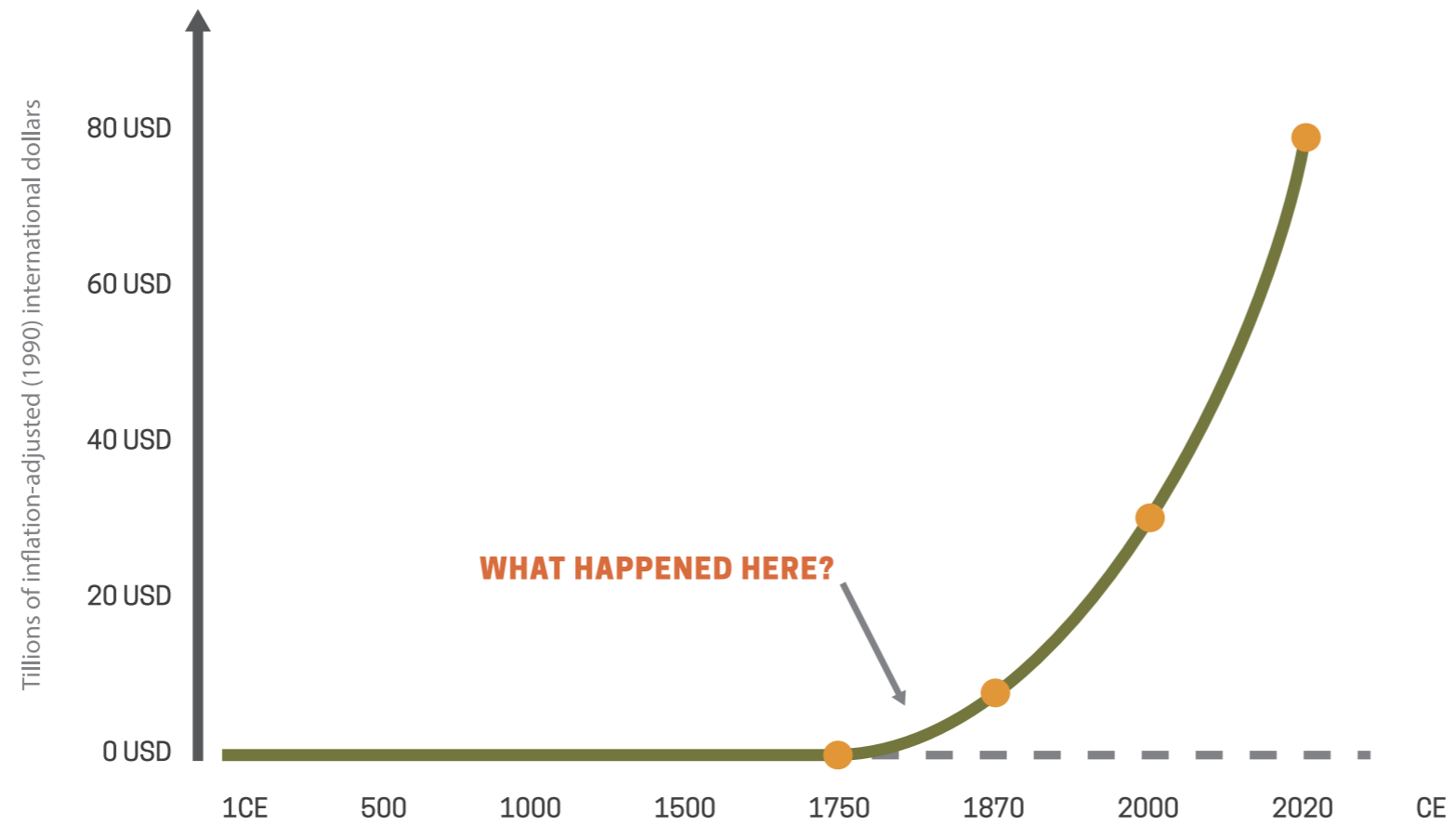


Tipping points

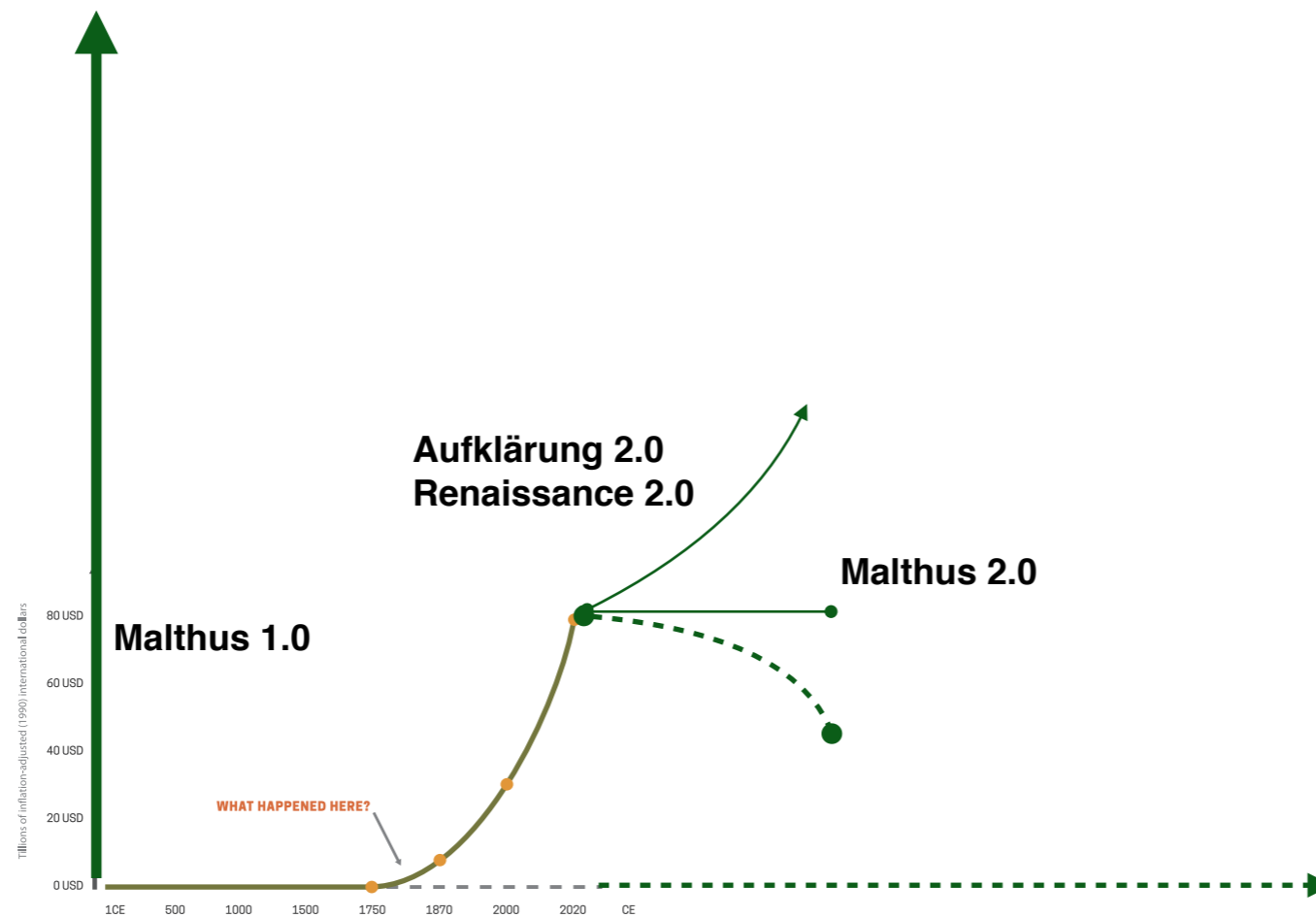


**Apokalypse, Alarmismus, Angst
versus
Komplexe Abwehr-, Anreiz- und
Anpassungsmechanismen**

Malthus 1.0 und die liberale Agenda



Malthus 2.0 und die liberale Agenda



Komplexer Anpassungsprozess

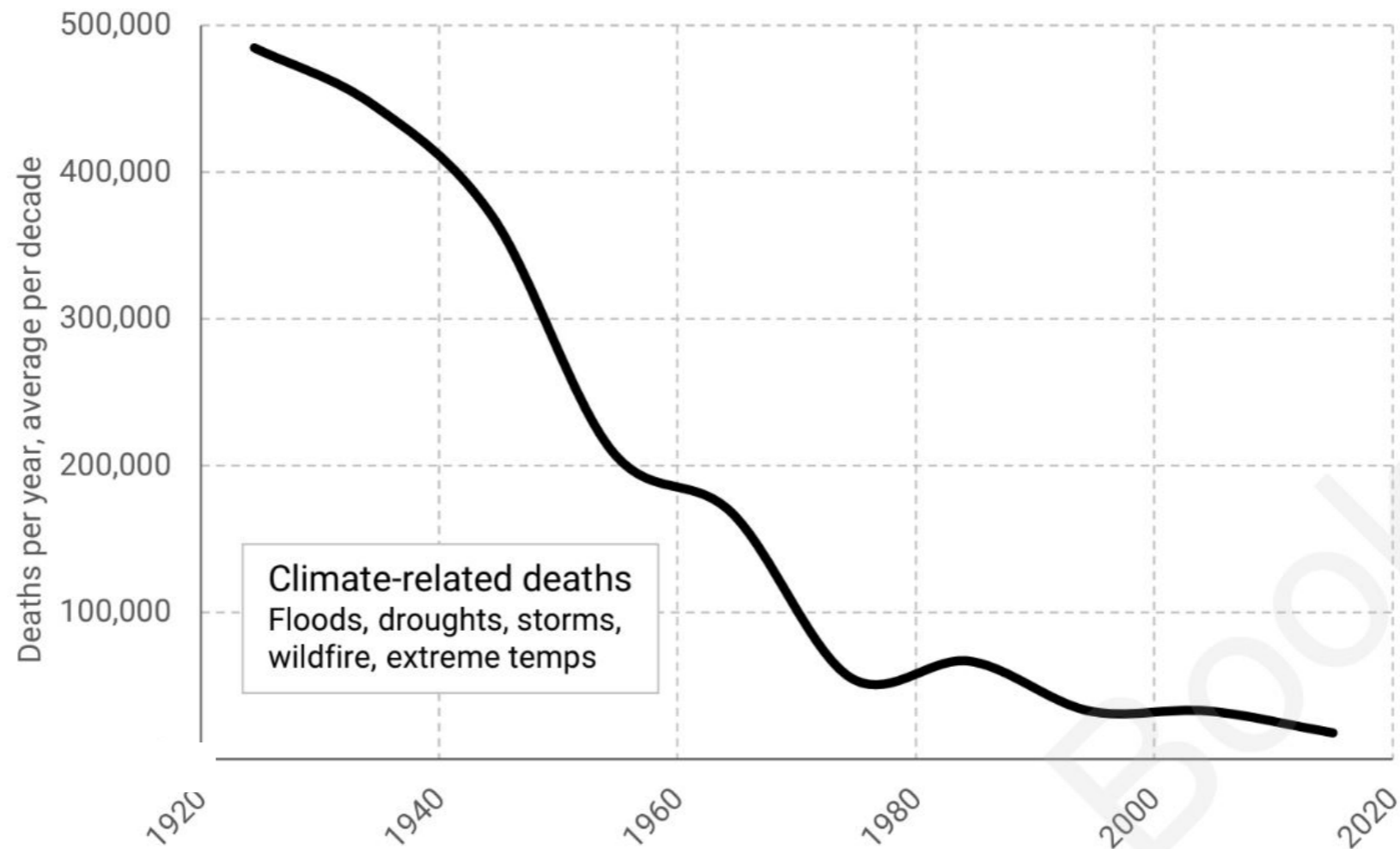
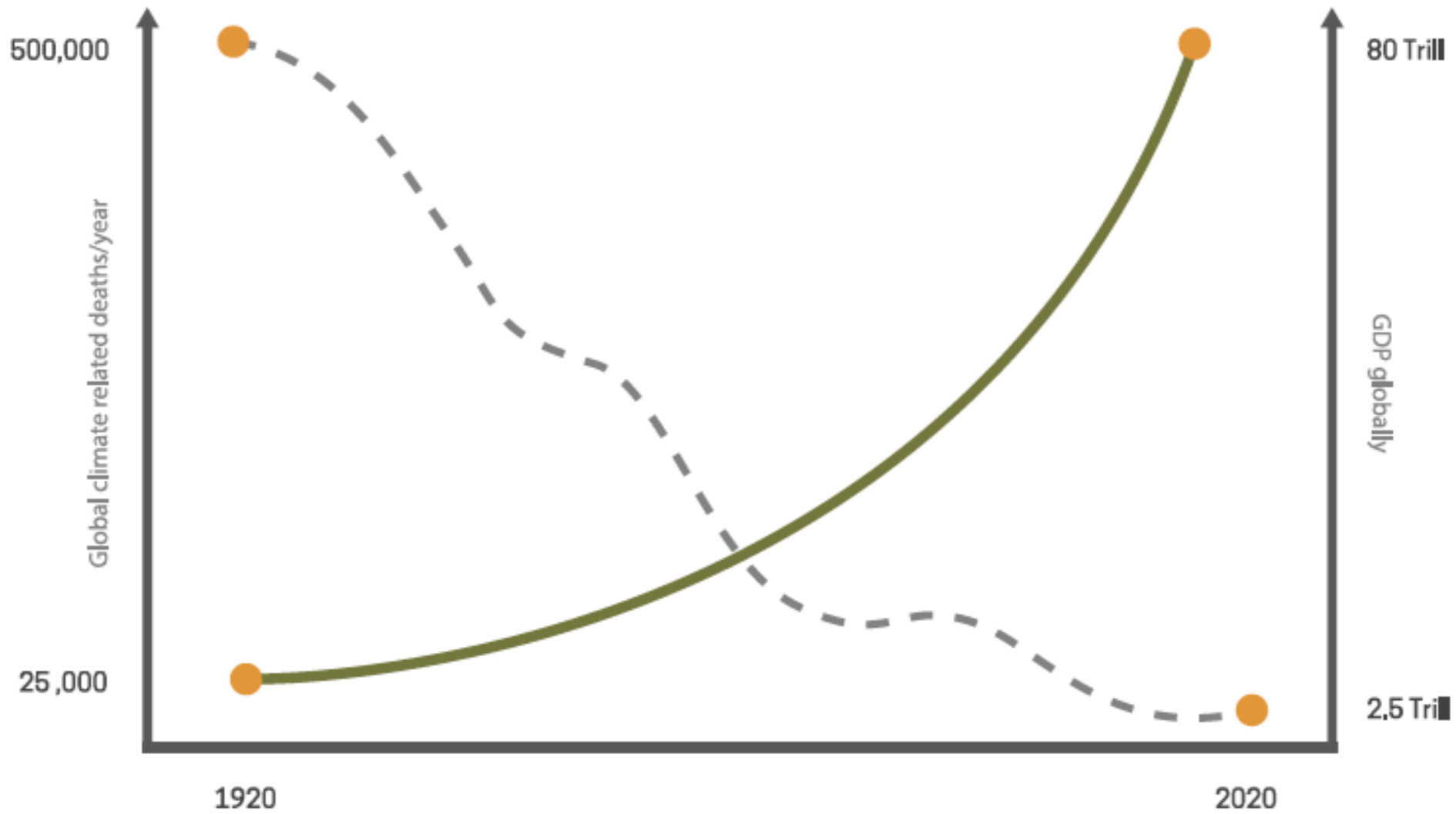
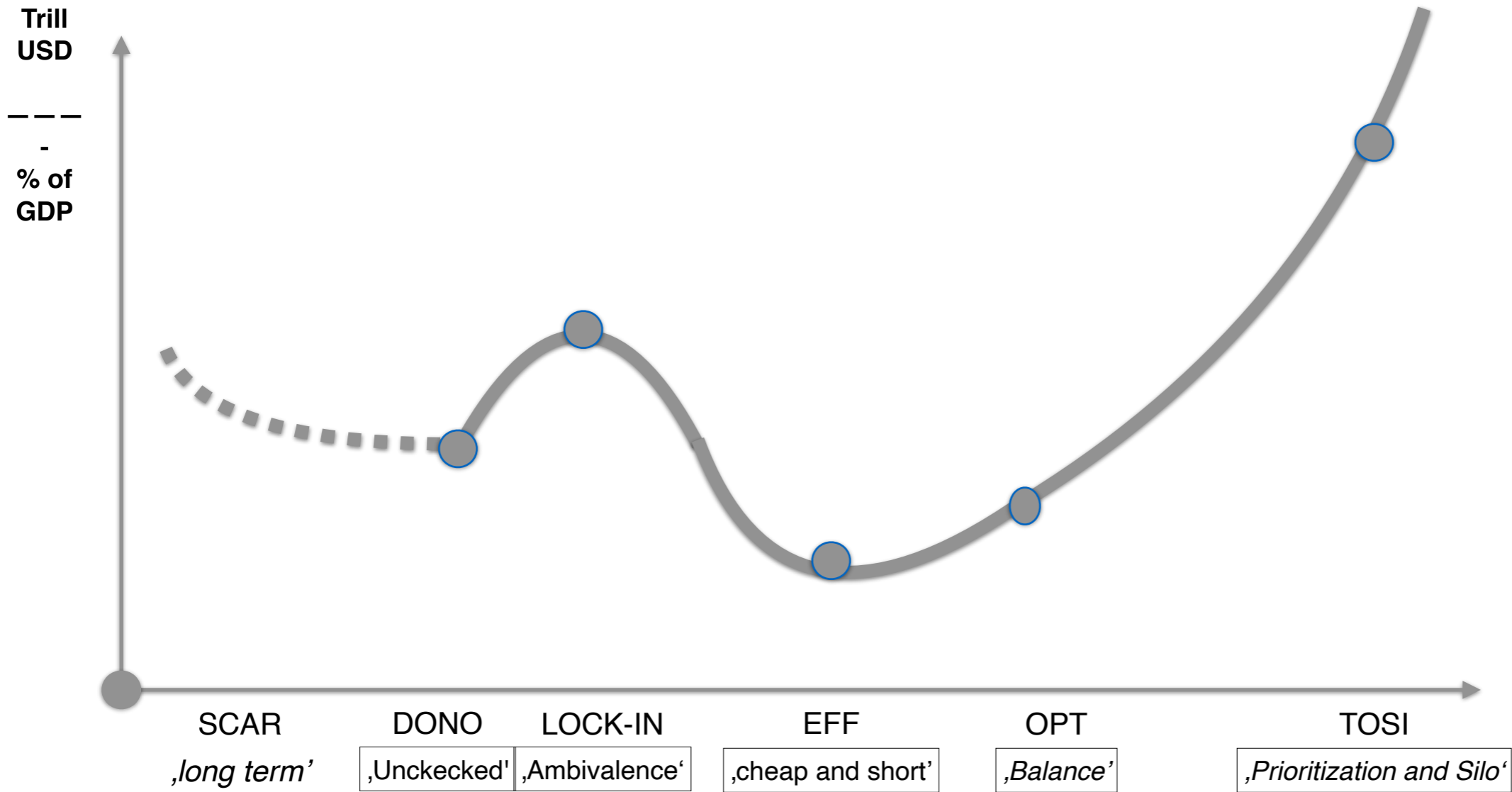


FIGURE 4.4 Global climate-related deaths from disasters, 1920–2019, averaged over decades.⁴¹

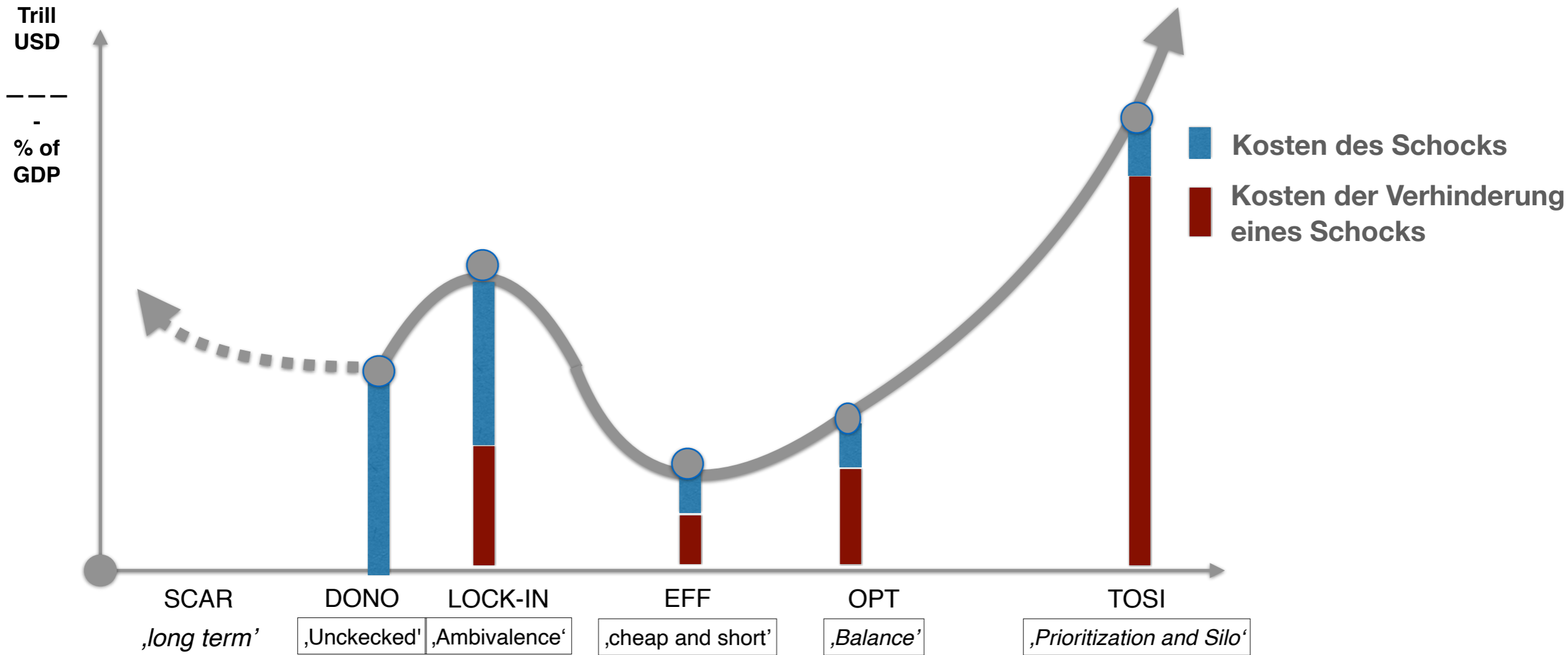
Komplexer Anpassungsprozess



Ökonomie der Anpassung: ‚W‘-Curve



Ökonomie der Anpassung: ‚W‘-Curve



Die 6-R-Regel

oder

wie wir wirtschaften werden

Wirtschaften in Zeiten der Corona: Die 6 ‚R‘

- **Risiko**-stratifizierung: TCA - ESG - CDS
- **Regionalisierung**: Dezentralisierung - care based economy - zirkulär-
small is beautiful - Decoupling - Lagerhaltung
- **Reduktion**: Weniger ist mehr, Ressourceneffizienz
- **Regenerative Landwirtschaft**: Biodiversität- Bioprodukte- Humus
- **Regeln**: Allgemeingüter - Governance - Digitalisierung - Zentral bank Mandate
- **Reshaping**: Lebensstil-modifikationen

Wir können das besser....

Kontakt:



Report to the World Academy of Arts and Science

Financing Our Future

Unveiling a Parallel Digital Currency System
to Fund the SDGs and the Common Good



World Academy of
Art and Science

Stefan Brunnhuber

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