



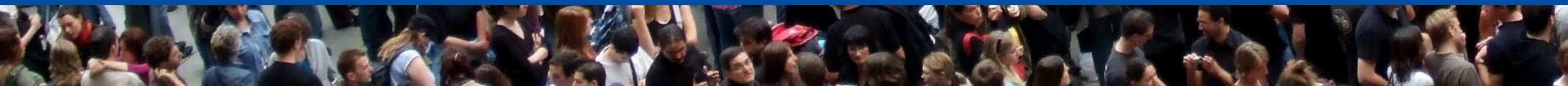
# Greening EU Cooperation

Integrating Environment, Climate Change and Disaster Risk  
Reduction in EU External Action

Session 1: Why greening?



**9.5 billion people by 2050**





**140 million people are joining the middle class every year**



**By 2050, 70% of the world's population will be living in cities, 50% of which are not yet built**



The effects of climate change are increasingly being felt

# Climate Change Is a Threat Multiplier

Floods decreased Pakistan's projected GDP growth from **5% to 2%**

IPCC: In the last decade, deaths from floods, droughts and storms were **15x higher** in highly vulnerable regions



**We produce about 430 million tonnes of plastic waste each year (OECD 2022)**





**60% of the world's ecosystems are degraded**

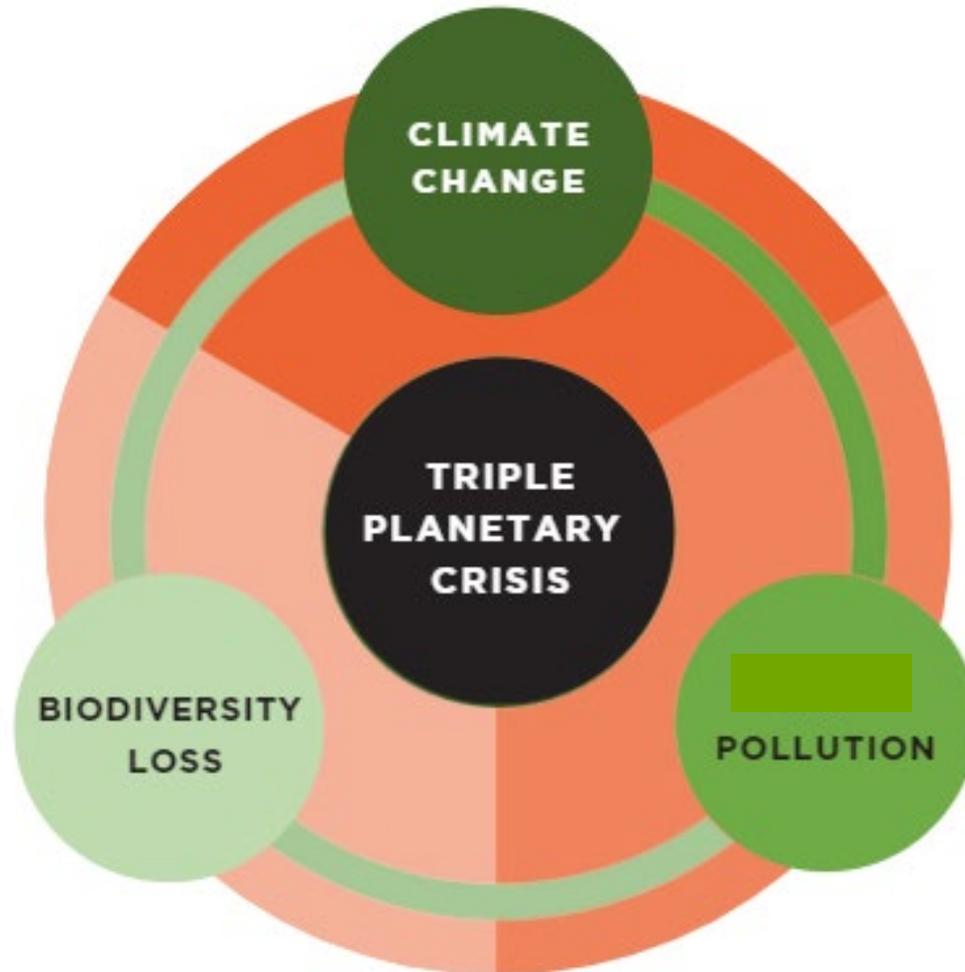


**85% of wetlands present in 1700 have been lost**



**We may be facing the 6th mass extinction**

# The triple planetary crisis



# The CLIMATE crisis

GHG emissions have caused global warming – global surface temperatures reaching 1.1°C above 1850-1900 in 2011-2020

## a) Observed widespread and substantial impacts and related losses and damages attributed to climate change

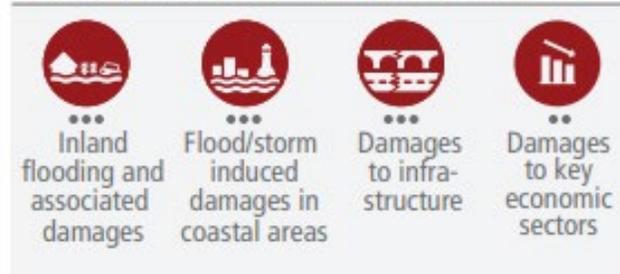
### Water availability and food production



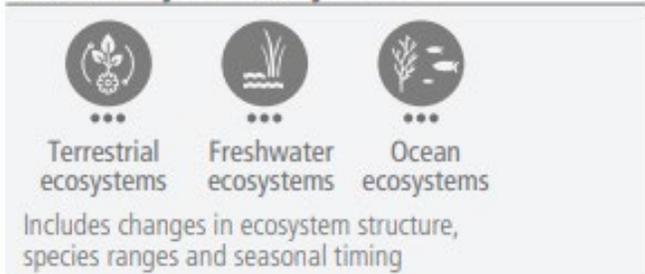
### Health and well-being



### Cities, settlements and infrastructure



### Biodiversity and ecosystems



### Key

Observed increase in climate impacts to human systems and ecosystems assessed at global level

- Adverse impacts
- Adverse and positive impacts
- Climate-driven changes observed, no global assessment of impact direction

Confidence in attribution to climate change

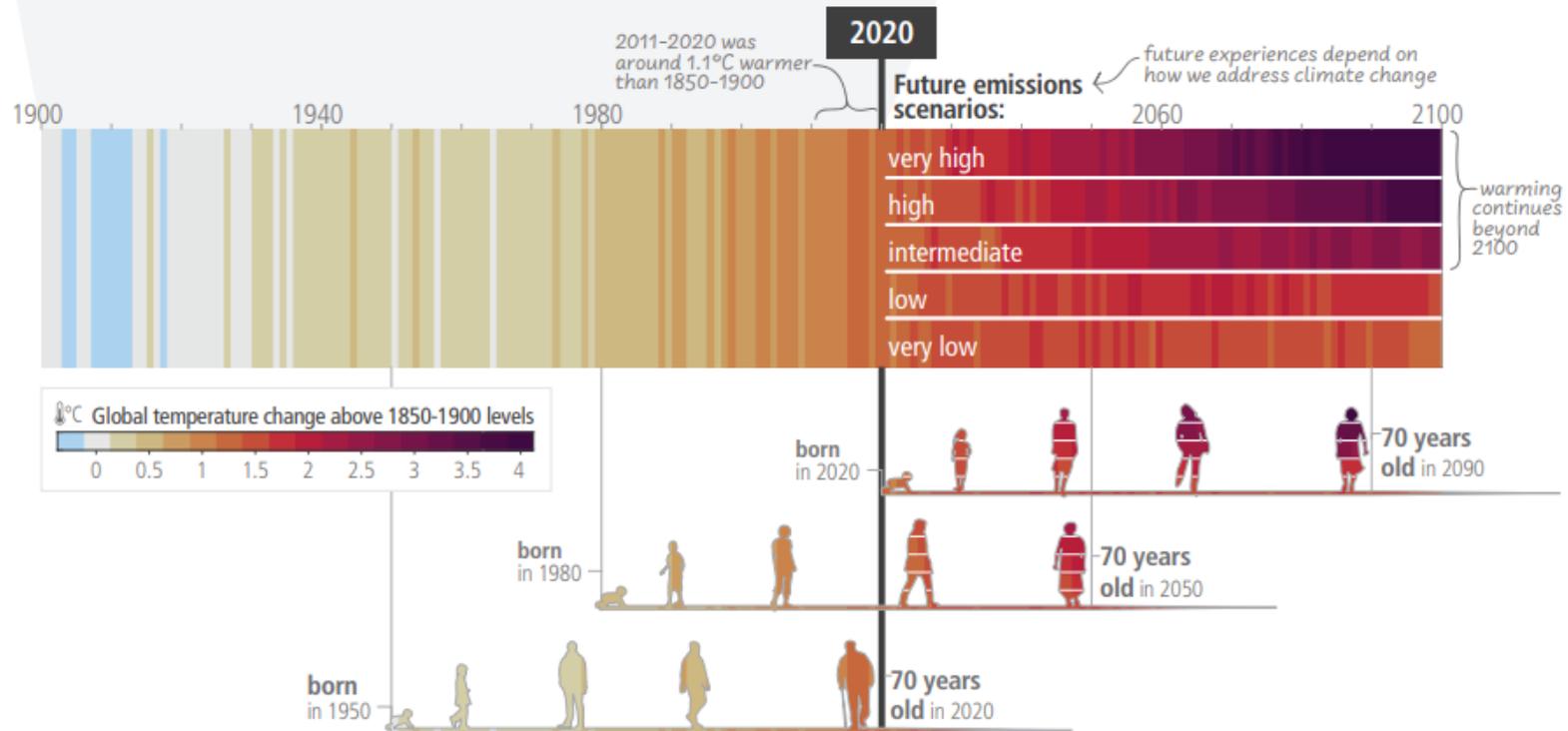
- High or very high confidence
- Medium confidence
- Low confidence

Source: IPCC 6th Assessment Report (2023)



# The CLIMATE crisis

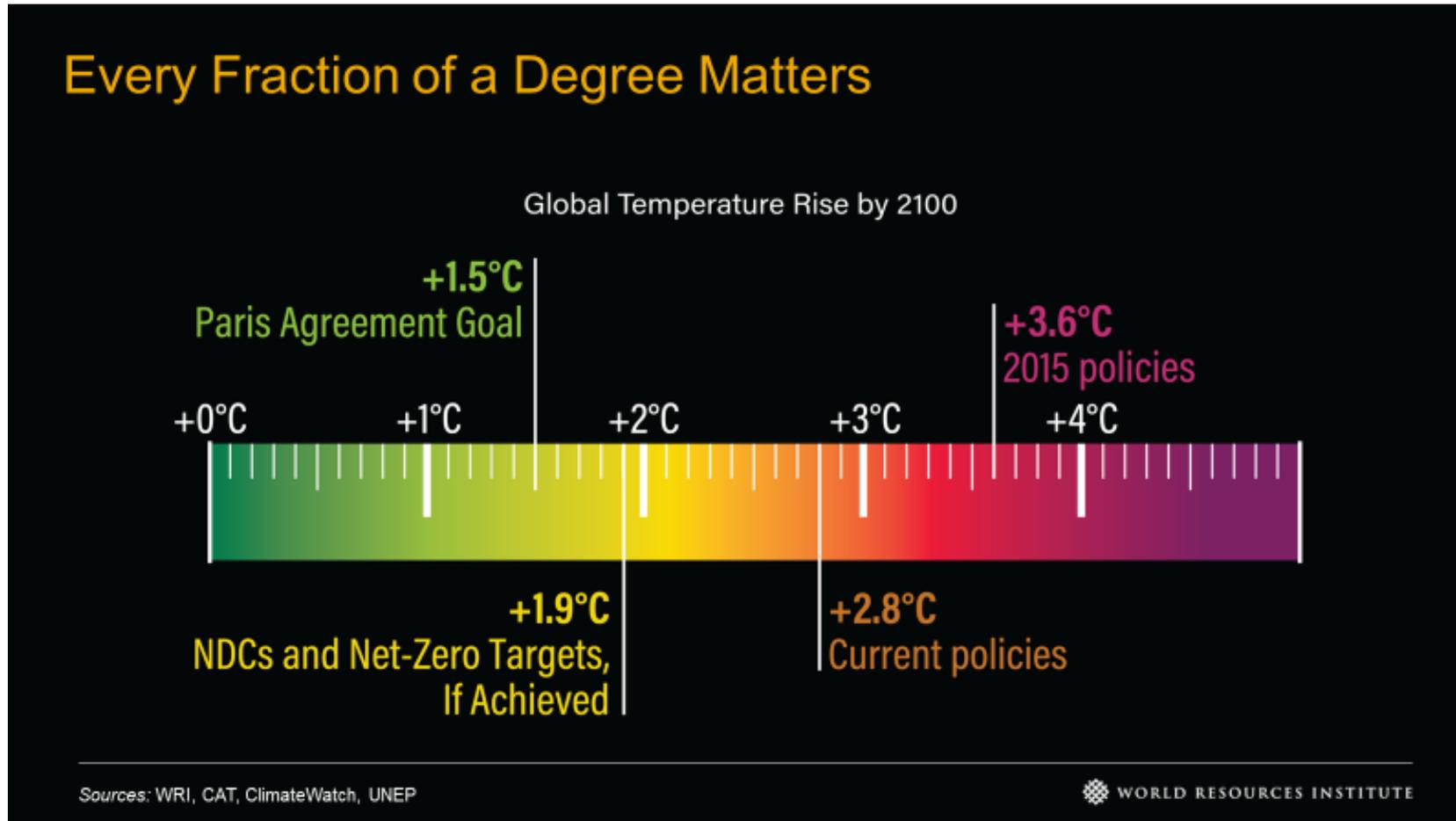
c) The extent to which current and future generations will experience a hotter and different world depends on choices now and in the near term



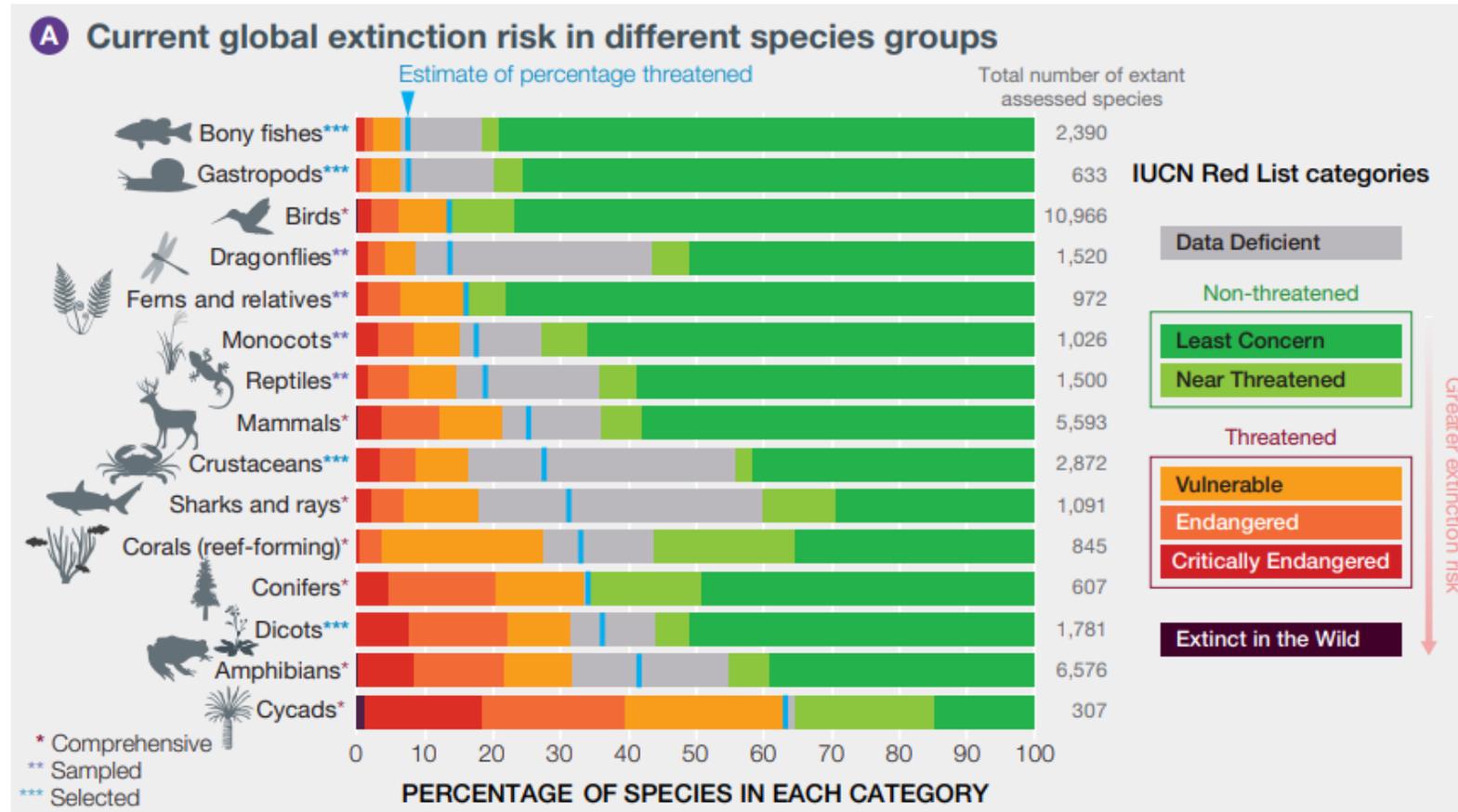
Source: IPCC 6th Assessment Report (2023)



# The CLIMATE crisis



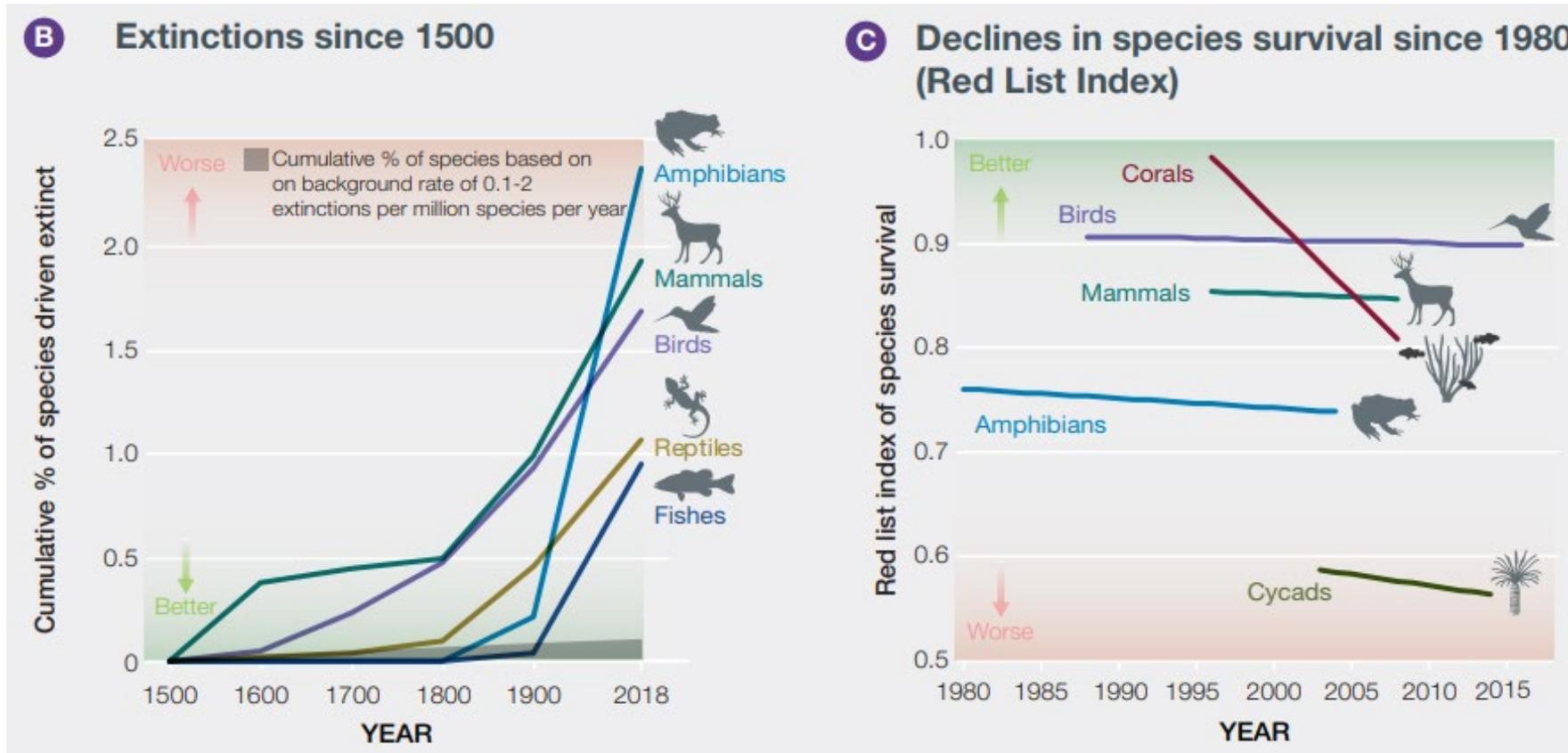
# The BIODIVERSITY crisis



Source: IPBES Global Assessment Report (2019)



# The BIODIVERSITY crisis

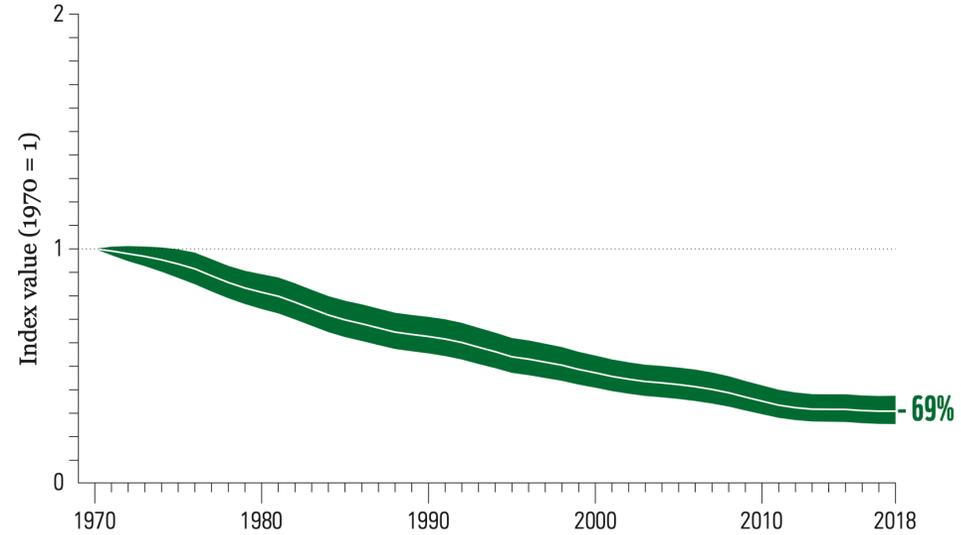


Source: IPBES Global Assessment Report (2019)



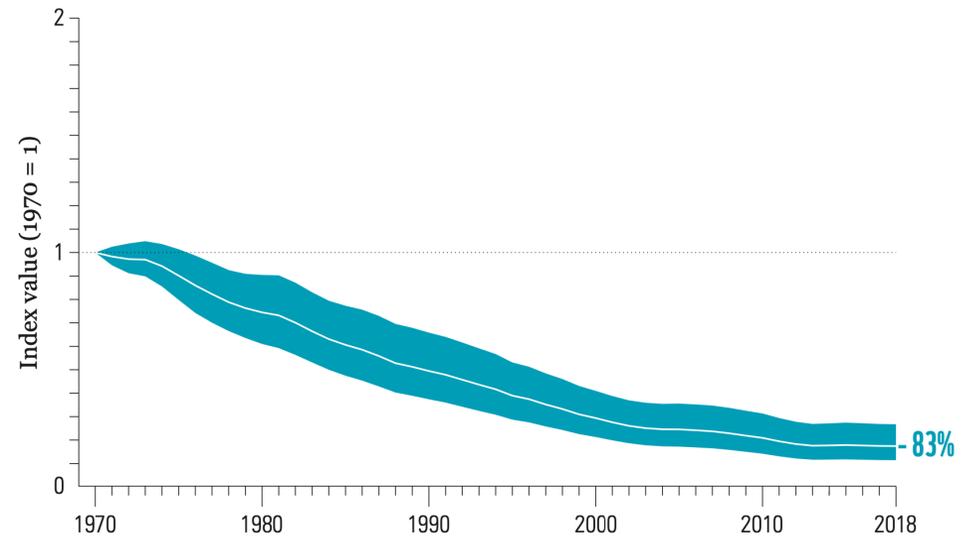
# The BIODIVERSITY crisis

*The global Living Planet Index (1970 to 2018)*



WWF Living Planet report 2022  
Source: IPBES Global Assessment Report (2019)

*The global Freshwater Index (1970 to 2018)*



# The POLLUTION crisis...

... an Air crisis

- Major threat to humans and climate
- The combined effects of ambient air pollution and household air pollution is associated with 7 million premature deaths annually (WHO 2024)



# The POLLUTION crisis...

## ...a Water crisis

Our rivers, reservoirs, lakes, and seas are drowning in chemicals, waste, plastic, and other pollutants. They kill millions of humans and destroy biodiversity



# The POLLUTION crisis...

...a Soil crisis



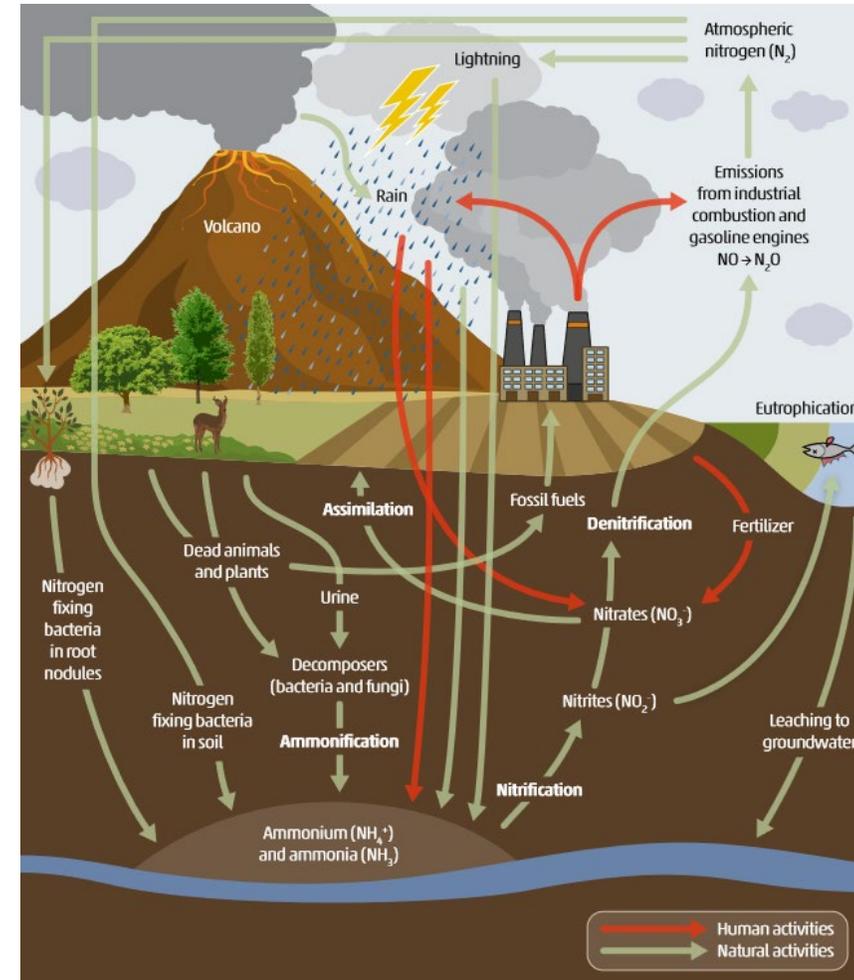
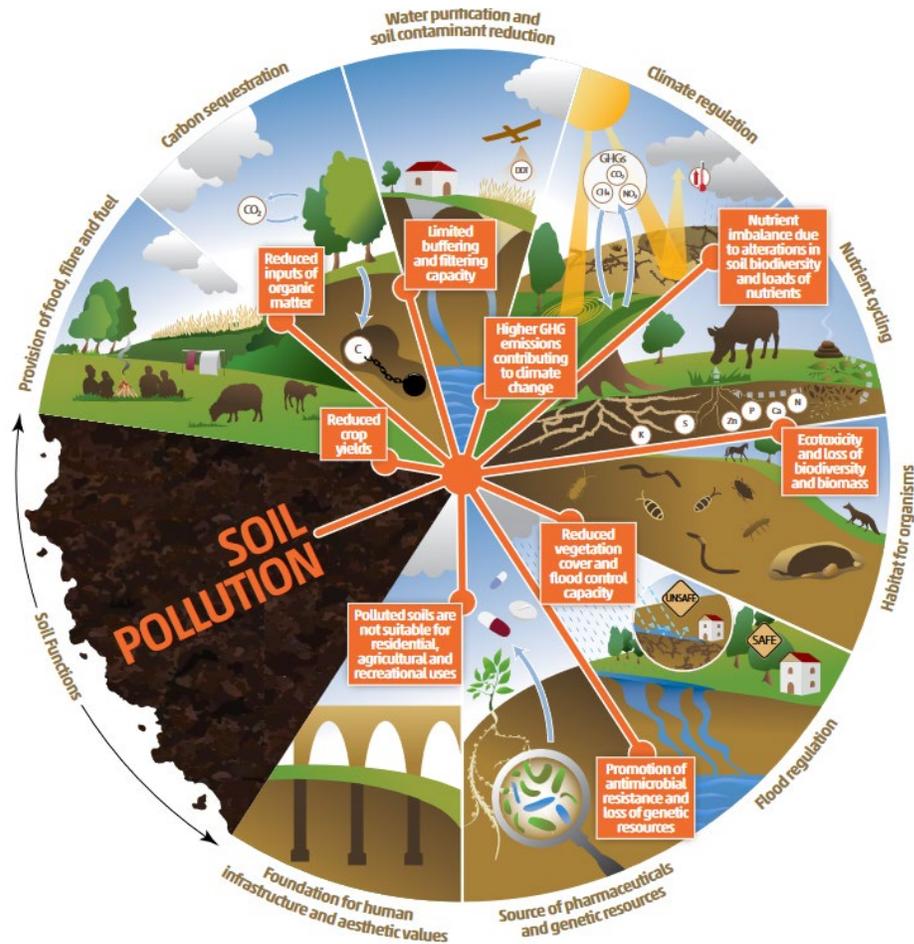
**Greening EU** COOPERATION  
Integrating environment & climate change



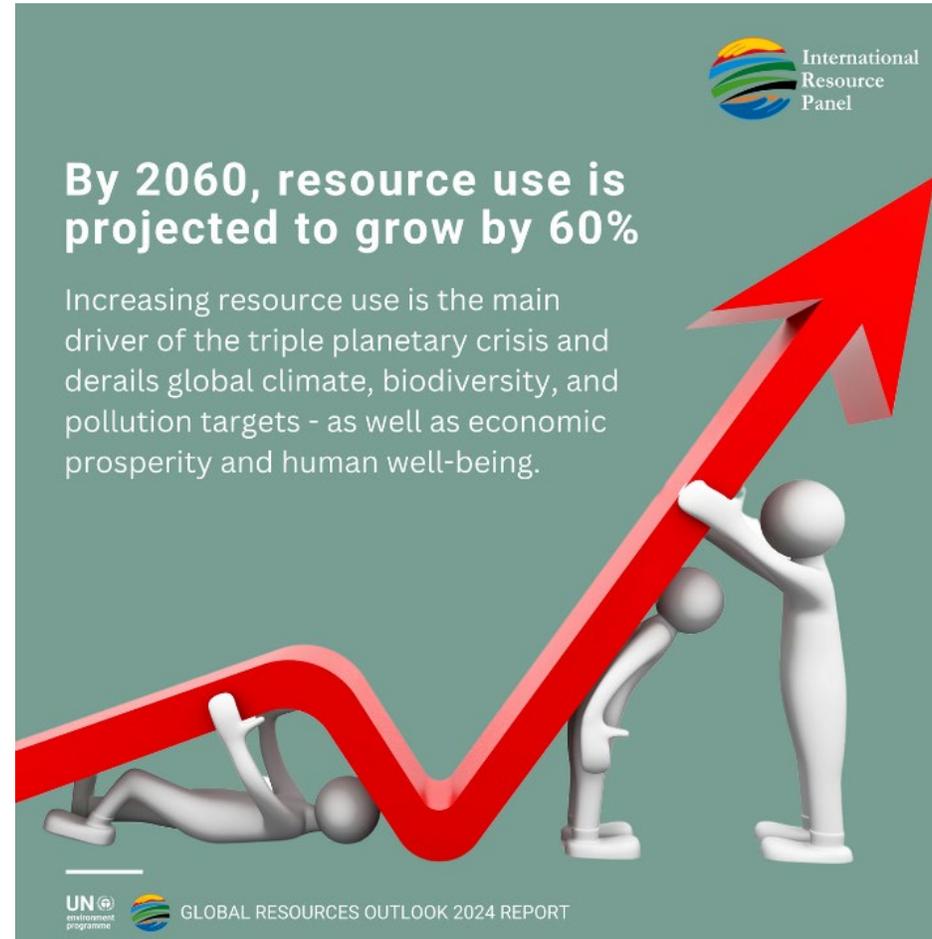
European  
Commission

# Effects on terrestrial and aquatic ecosystems

(UNEP/FAO Global Assessment of soil pollution 2021)



# The encompassing crisis... the RESOURCES crisis

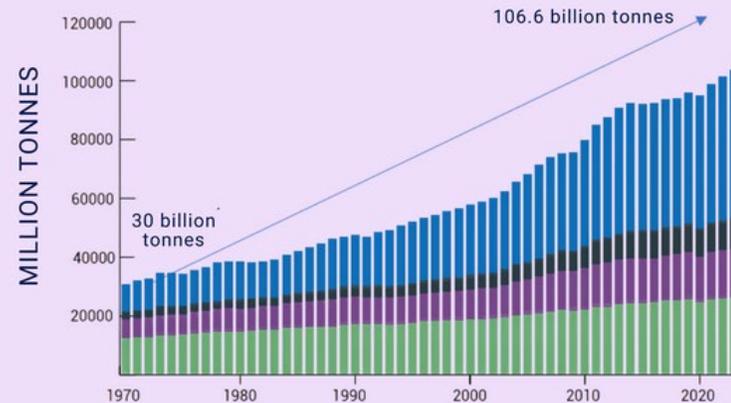


# The RESOURCES crisis



## Material use has increased

It grew more than 3x over the last 50 years and continues to grow by an average of more than 2.3% per year.



Biomass



Non-metallic minerals



Fossil fuels



Metals



GLOBAL RESOURCES OUTLOOK 2024 REPORT

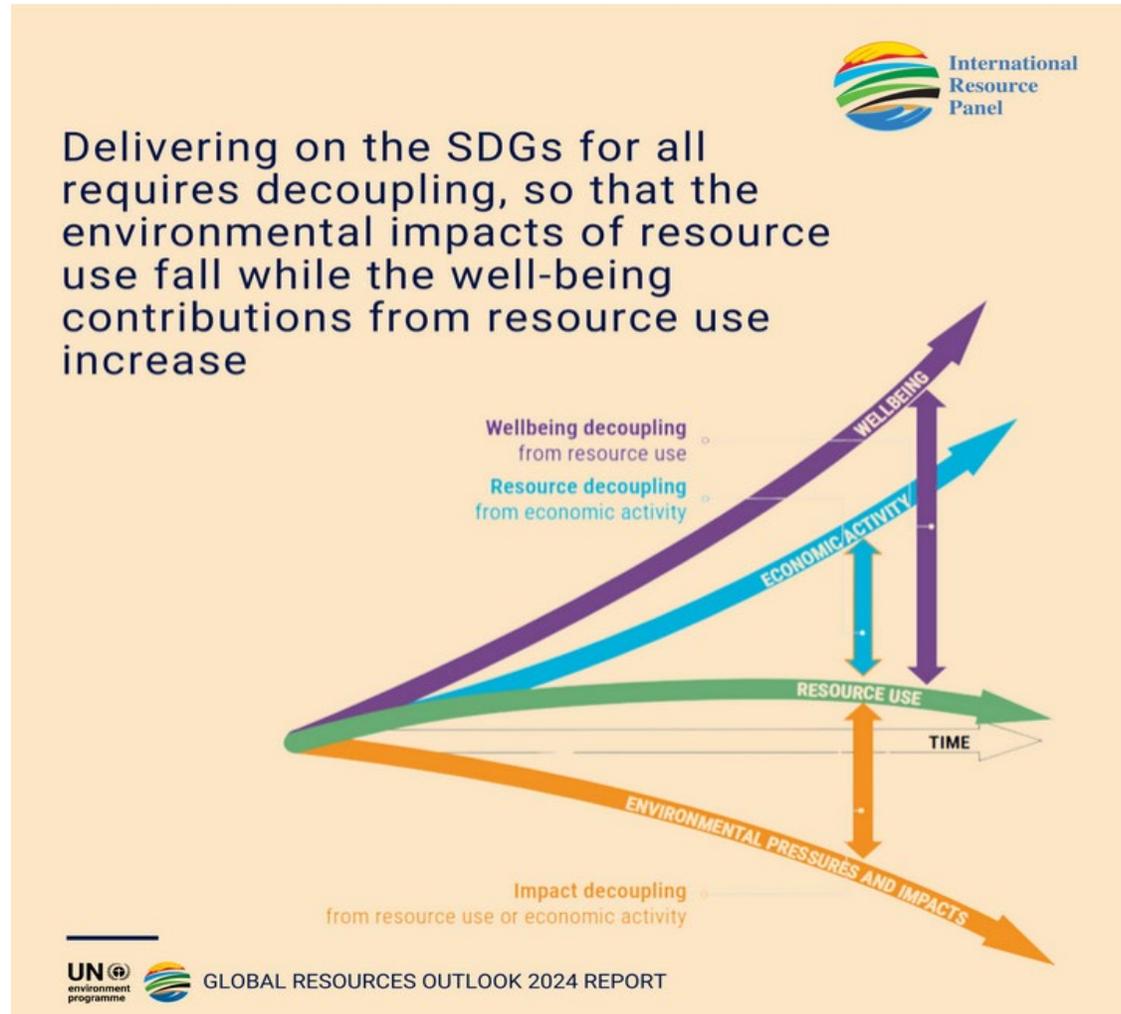


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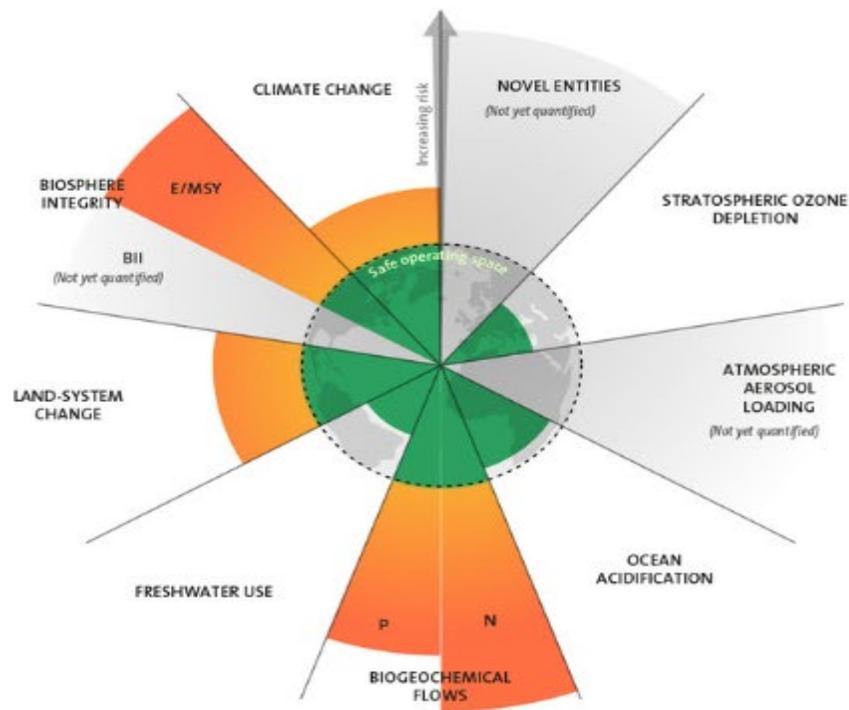
European Commission

# The RESOURCES crisis



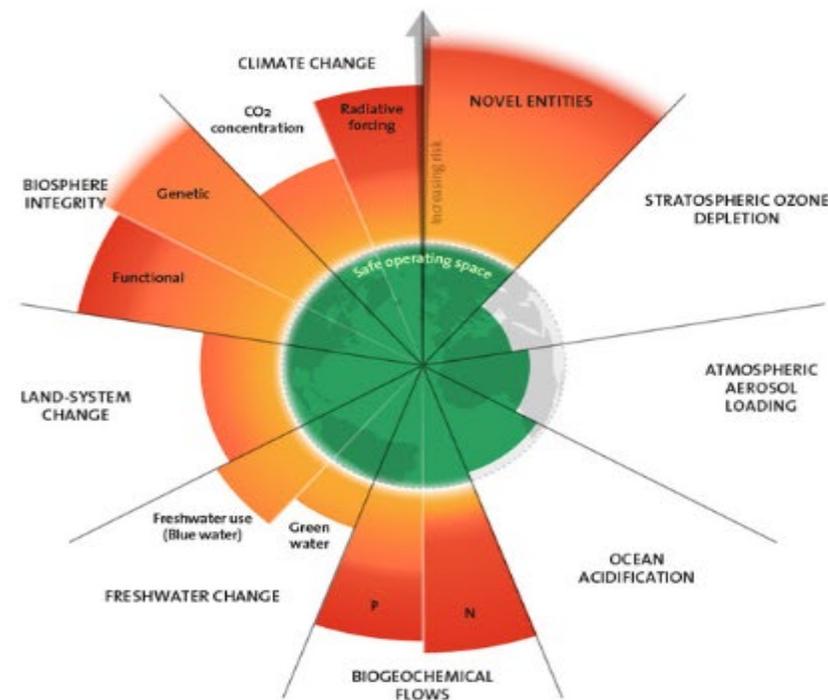
# Planetary boundaries

## 2015



7 boundaries assessed,  
4 crossed

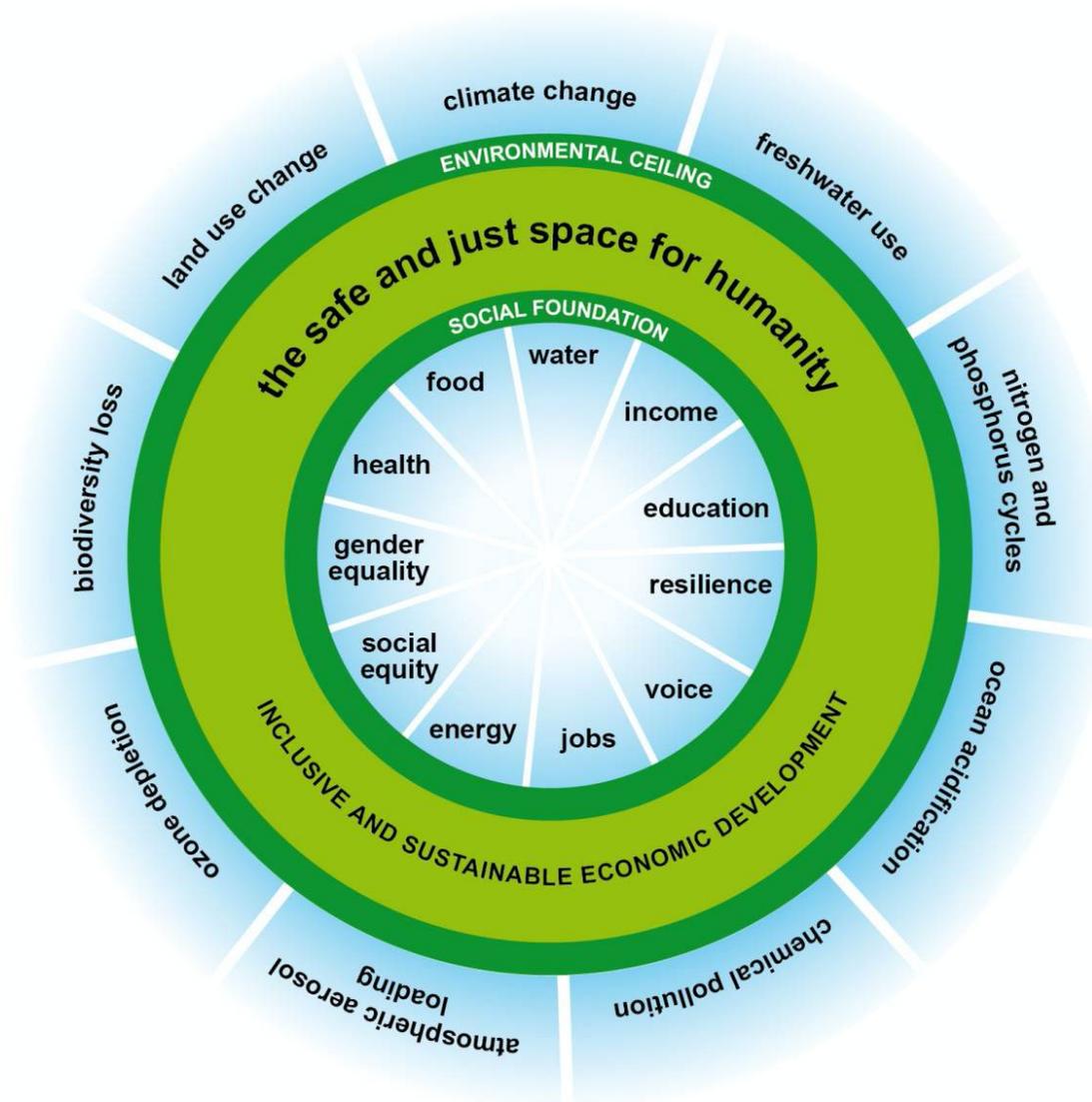
## 2023



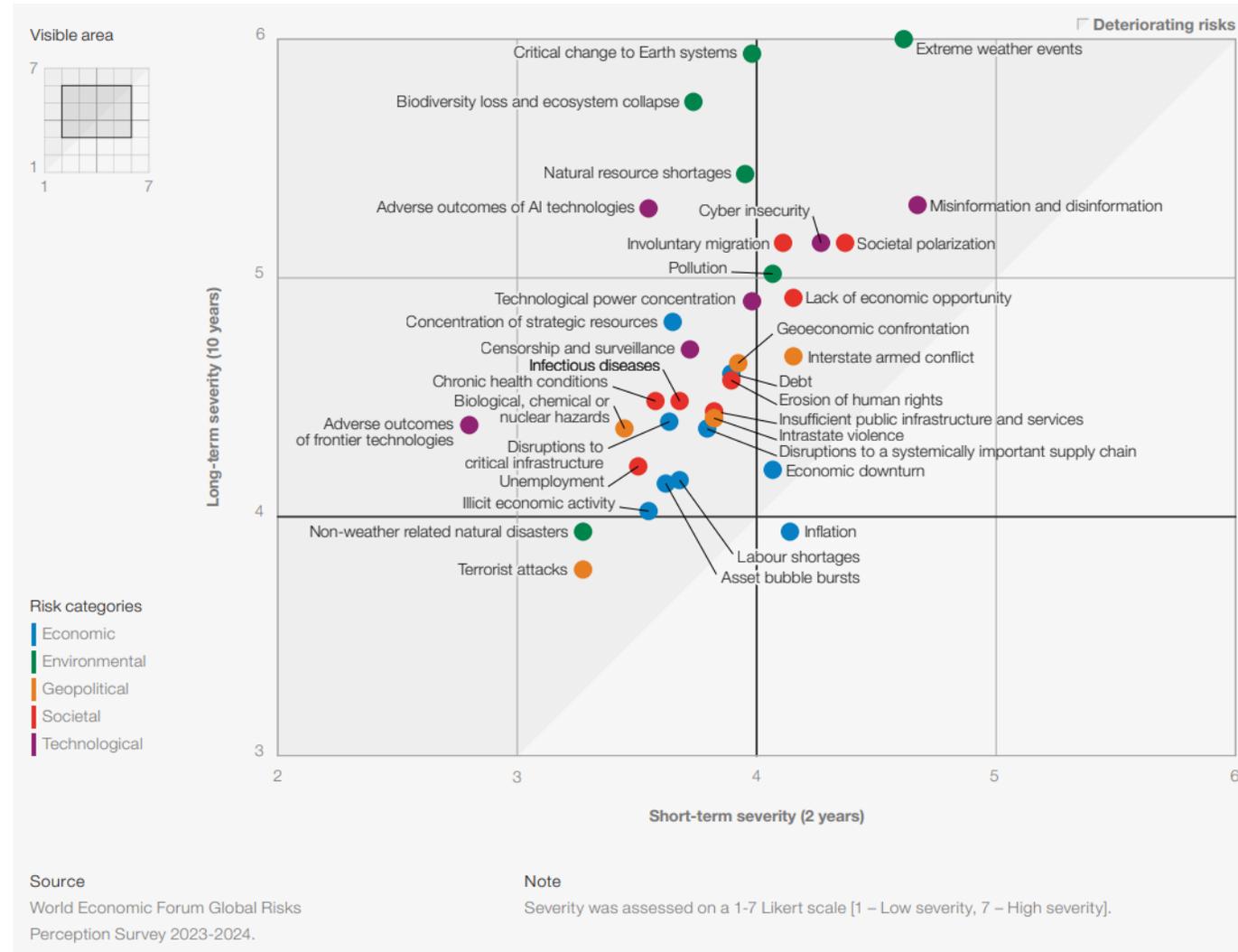
9 boundaries assessed,  
6 crossed



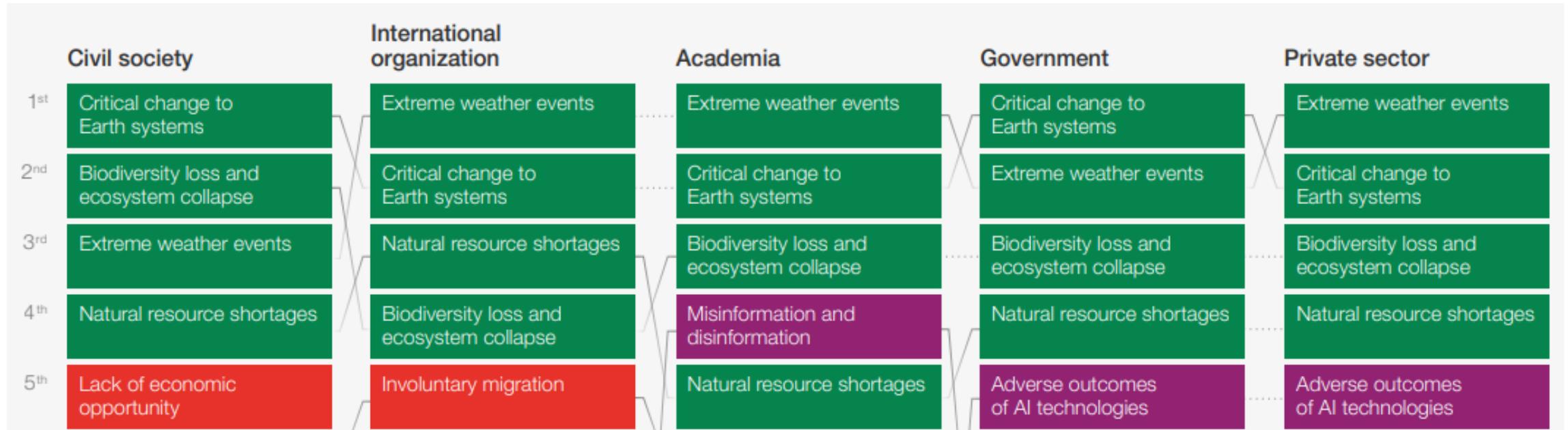
# The doughnut economy



# World Economic Forum – Global Risks Report 2024

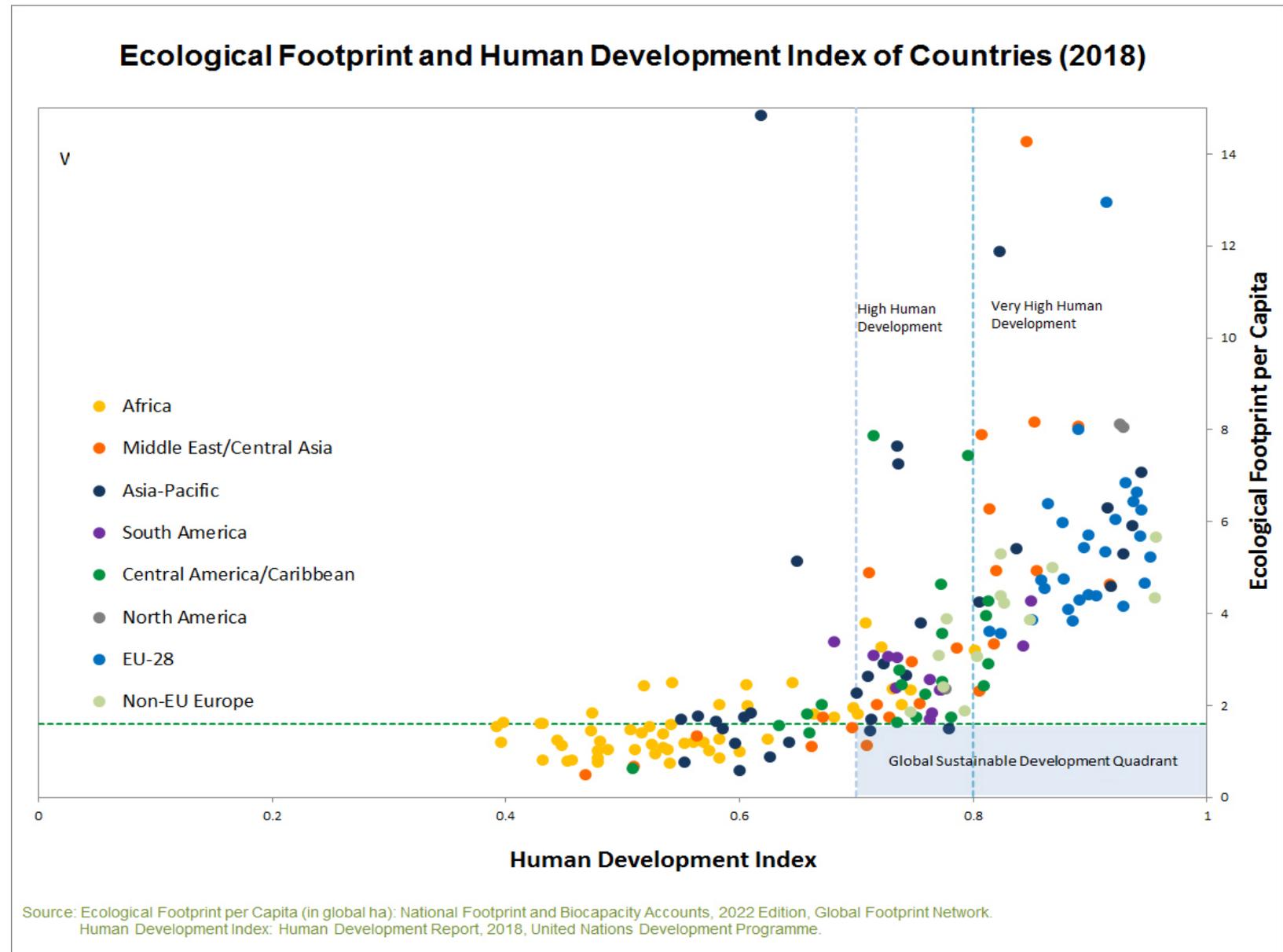


# Risk perception according to stakeholders

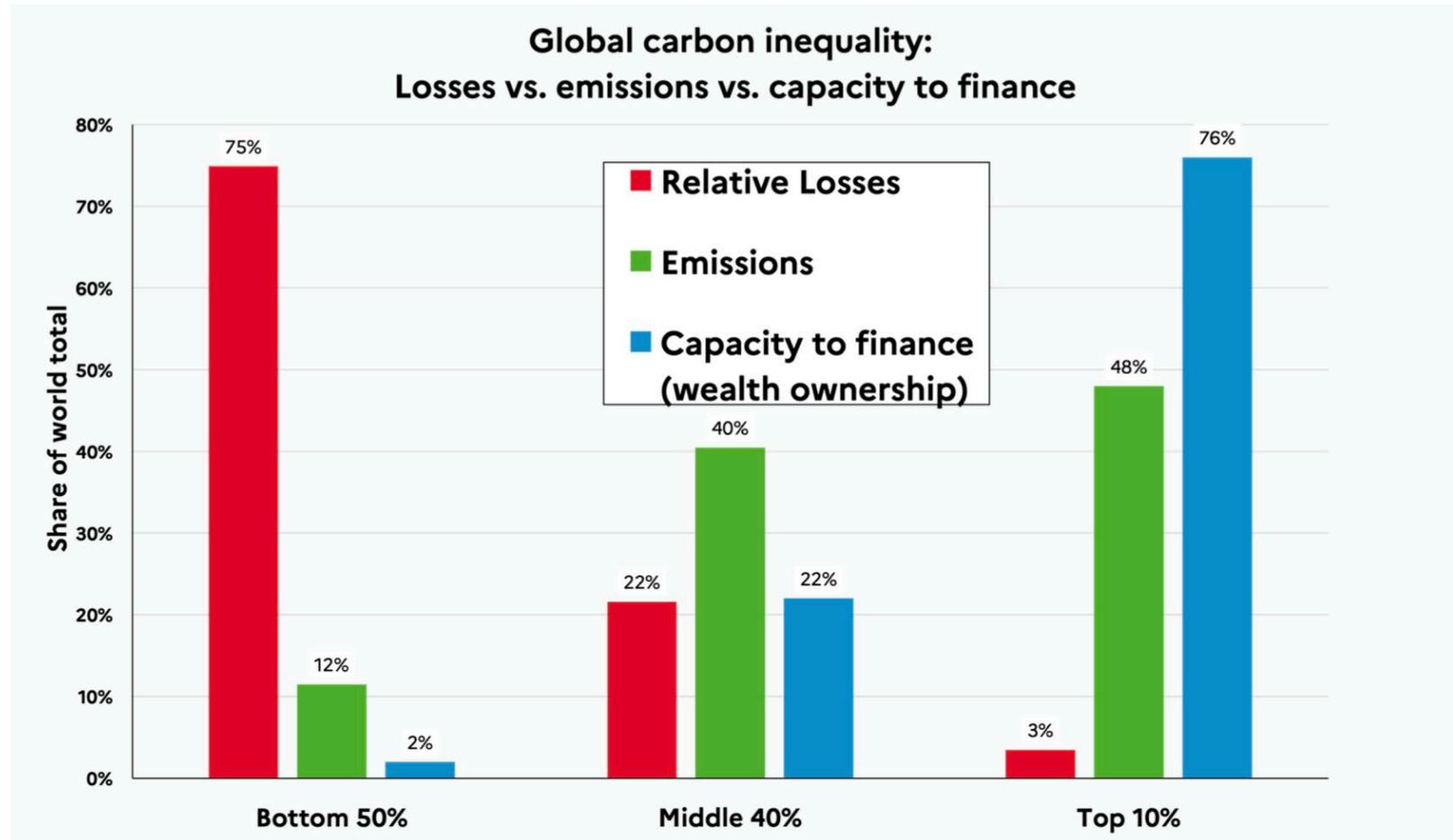


# Promoting human development while recognising ecological limits

Correlation of ecological footprint and human development index



# Climate inequalities



WID 2023

