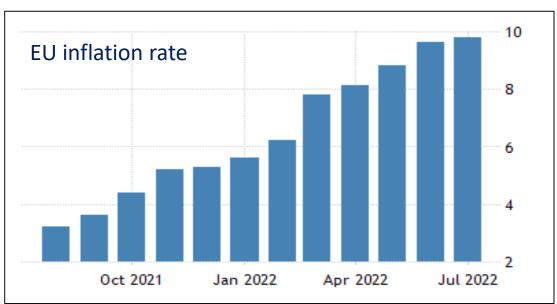
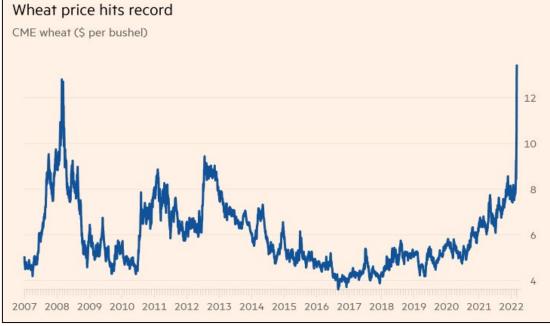


# Resources (and populations) under pressure

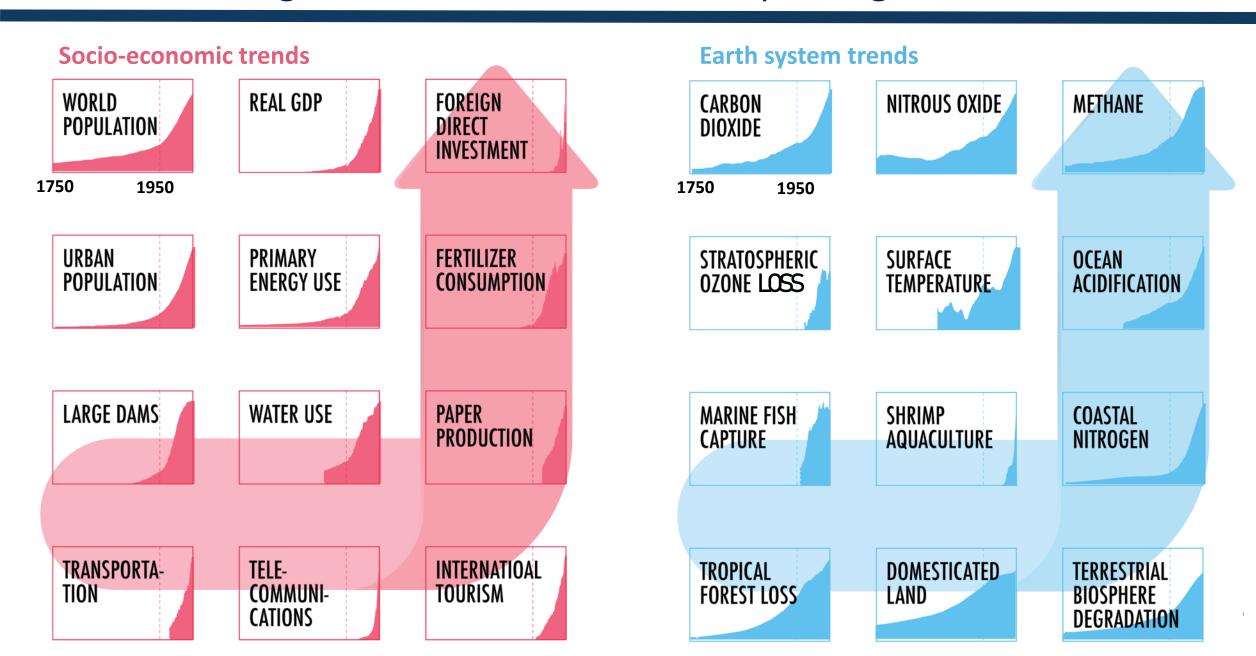








# Off the chart: global trends in the current paradigm



# Global context: unprecedented challenges, improved knowledge

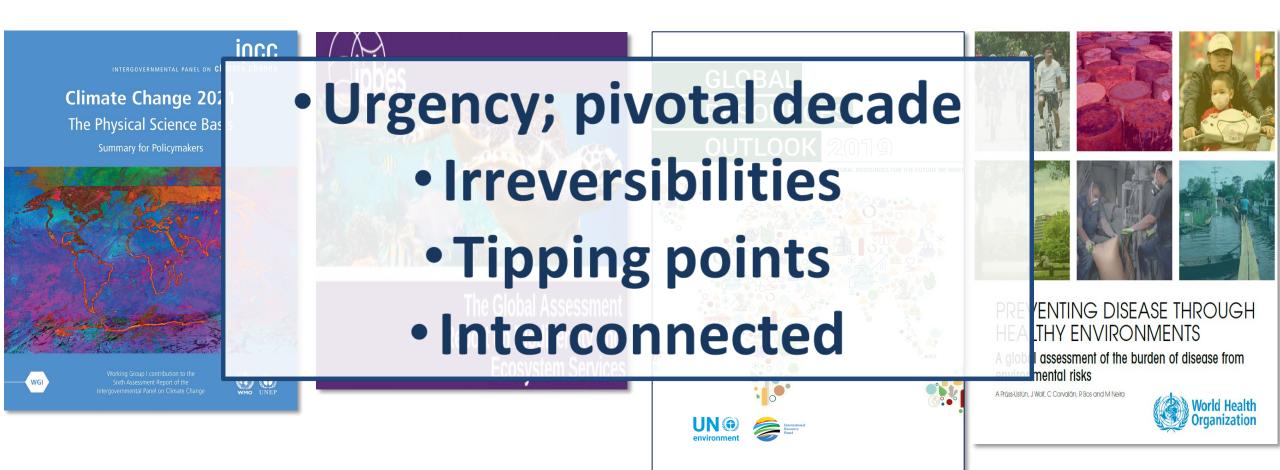
1. IPCC: climate

change

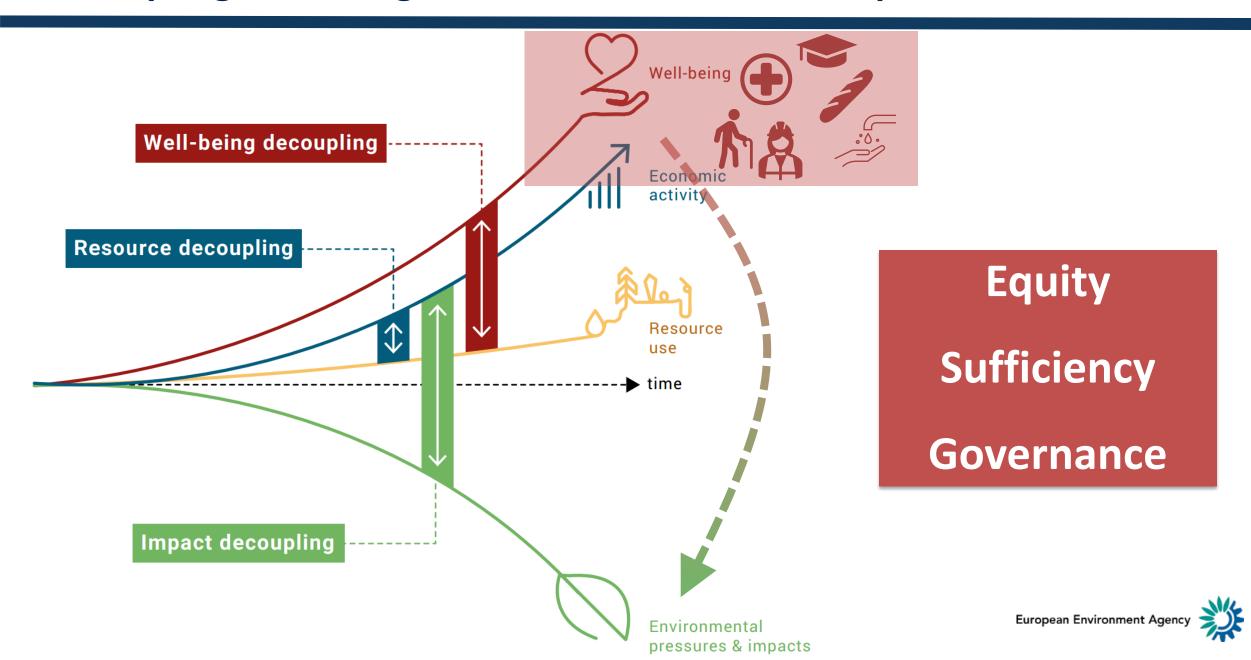
2. IPBES: biodiversity loss and ecosystem services

3. IRP: unsustainable resource use

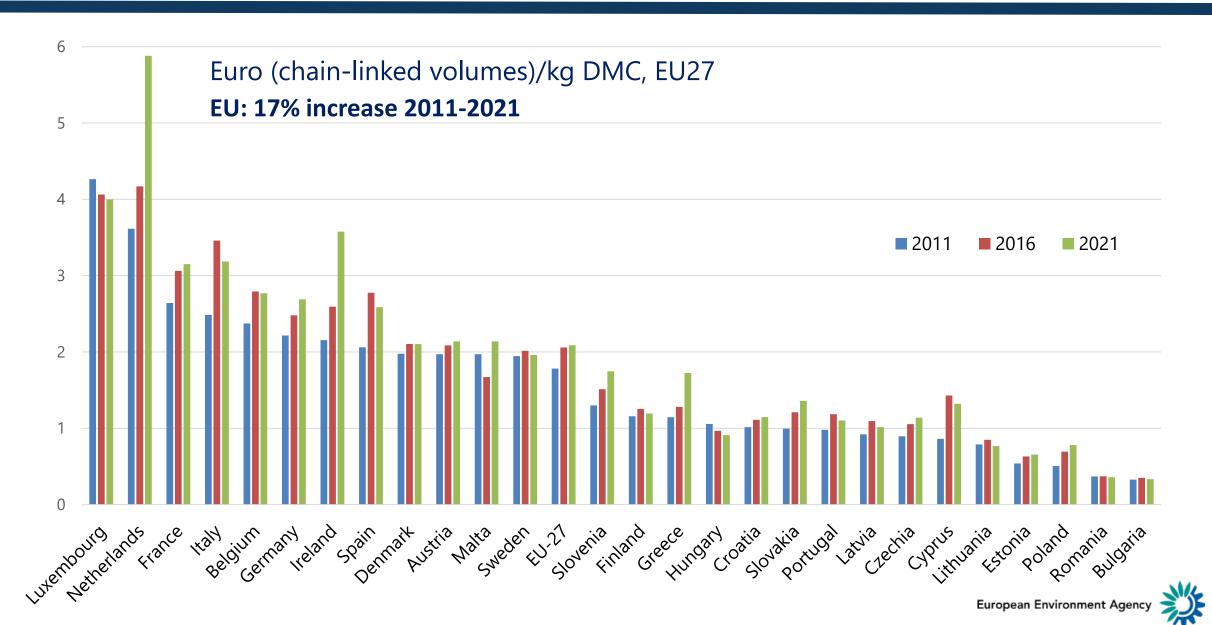
4. WHO: environment and **health** 



## Decoupling wellbeing from resource use and impacts

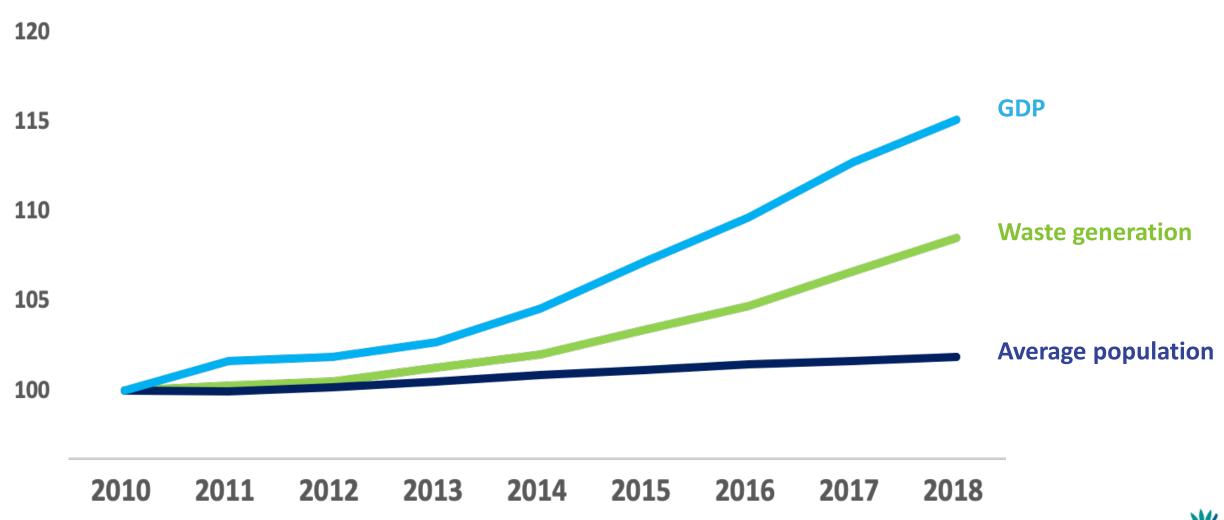


#### Resource efficiency is improving in Europe



# Waste generation is still increasing

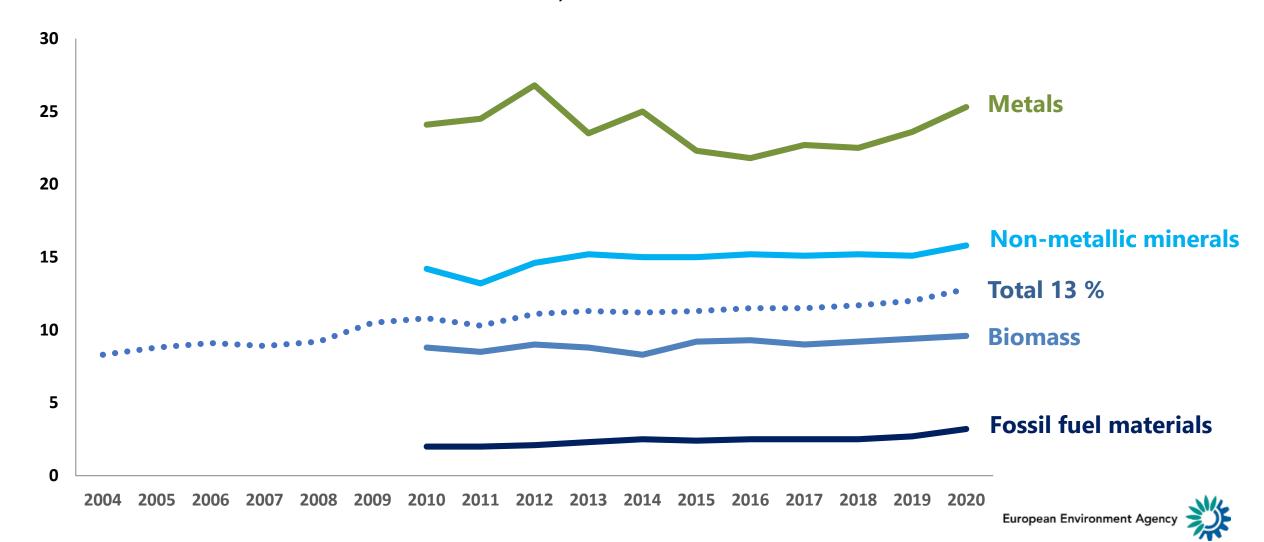
Trends in waste generation, economic development and population, EEA-33



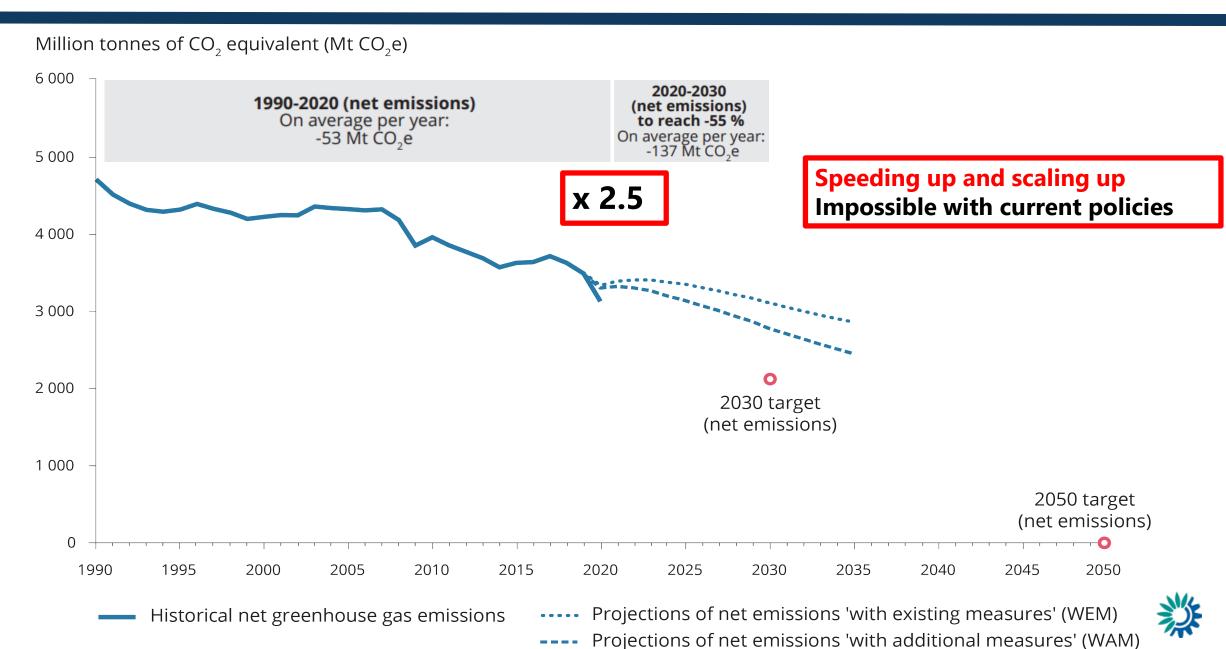


#### Circular use of materials is still low

Trends in the circular material use rate, % in EU-27



# Ambitious targets require a paradigm shift



#### Re-configuring the (circular) economy is an international challenge

Increasing global material use & globalised value chains

Changing demographics & incomes

Distribution of social impacts of material use

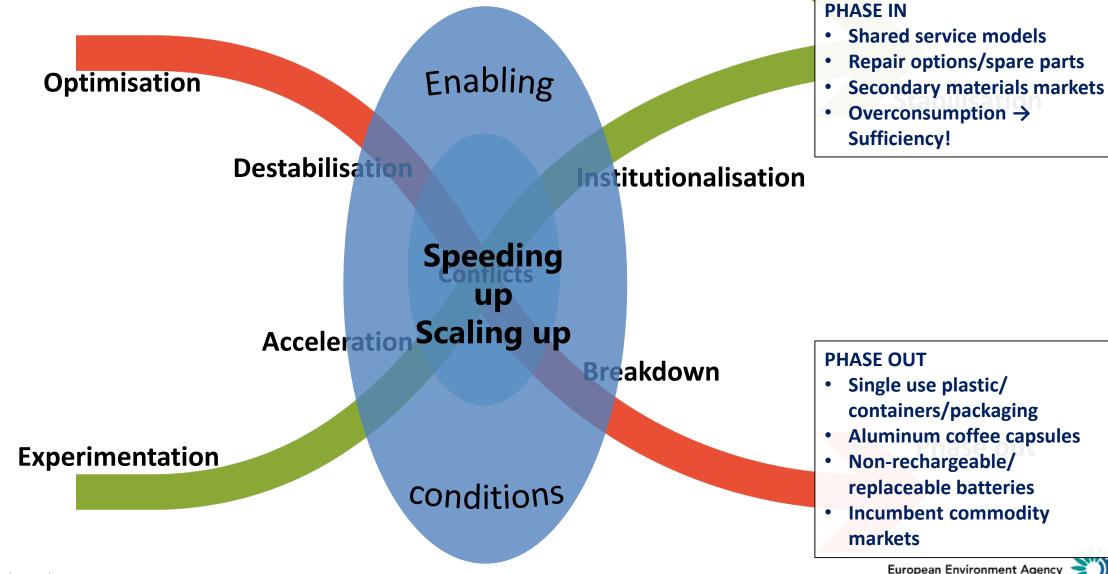
Distribution of supply chain know-how

Virgin vs recycled materials





#### Paradigm shifts/systemic change are disruptive: the 'x-curve'



# EEA-Eionet Strategy 2021-2030: Strategic objectives



SO1
Supporting policy implementation and sustainability transitions
SO4

Making full use of the potential of data, technology and digitalisation

Providing timely input to solutions for sustainability challenges

SO3
Building stronger
networks and
partnerships

SO5
Resourcing our shared ambitions

the **leading network** for policy-relevant environment and climate knowledge at European Union and country levels



#### **EEA** work areas supporting...

Biodiversity and ecosystems



Climate change mitigation and adaptation



Human health and the environment



Circular economy and resource use



Sustainability trends, prospects and responses



- First climate-neutral continent, incl. Adaptation Strategy
- Biodiversity Strategy 2030
- New Circular Economy Action Plan
- Zero pollution strategy
- Farm to fork strategy
- Just transition
- Sustainable European Investment Plan
- Future ready economy new industrial strategy

#### Addressing monitoring gaps: Bellagio process





























# Circular Economy monitoring at the EEA



- Bellagio partnership
- Country level
- Eurostat
- UNECE / OECD



- Piloting the use of novel data sources
- Harvesting data from product passports
- Pilot indicator on life spans
- Integrate in Circularity
   Metrics Lab



- CE State and Outlook report
- CircularityMetrics Lab
- EEA Indicator set
- Doubling CMUR



Metrics

# Member countries Cooperating countries

#### Circular economy and resource use: Systemic thinking across work areas

#### Areas of work

#### 13 groups

- Biodiversity and Ecosystems 1
- Biodiversity and Ecosystems 2
- Circular Economy and Resource Use
- Climate Change Impacts, Vulnerability and Adaptation
- Climate Change Mitigation and Energy Systems
- Communication
- Data, technologies and digitalisation
- Food Systems
- Foresight
- Human Health and Environment
- Land Systems
- Mobility Systems
- State of the Environment

