

# EU Environmental policies: a proactive approach for sustainable consumption and production.

1222 · 2022  
**800**  
ANNI

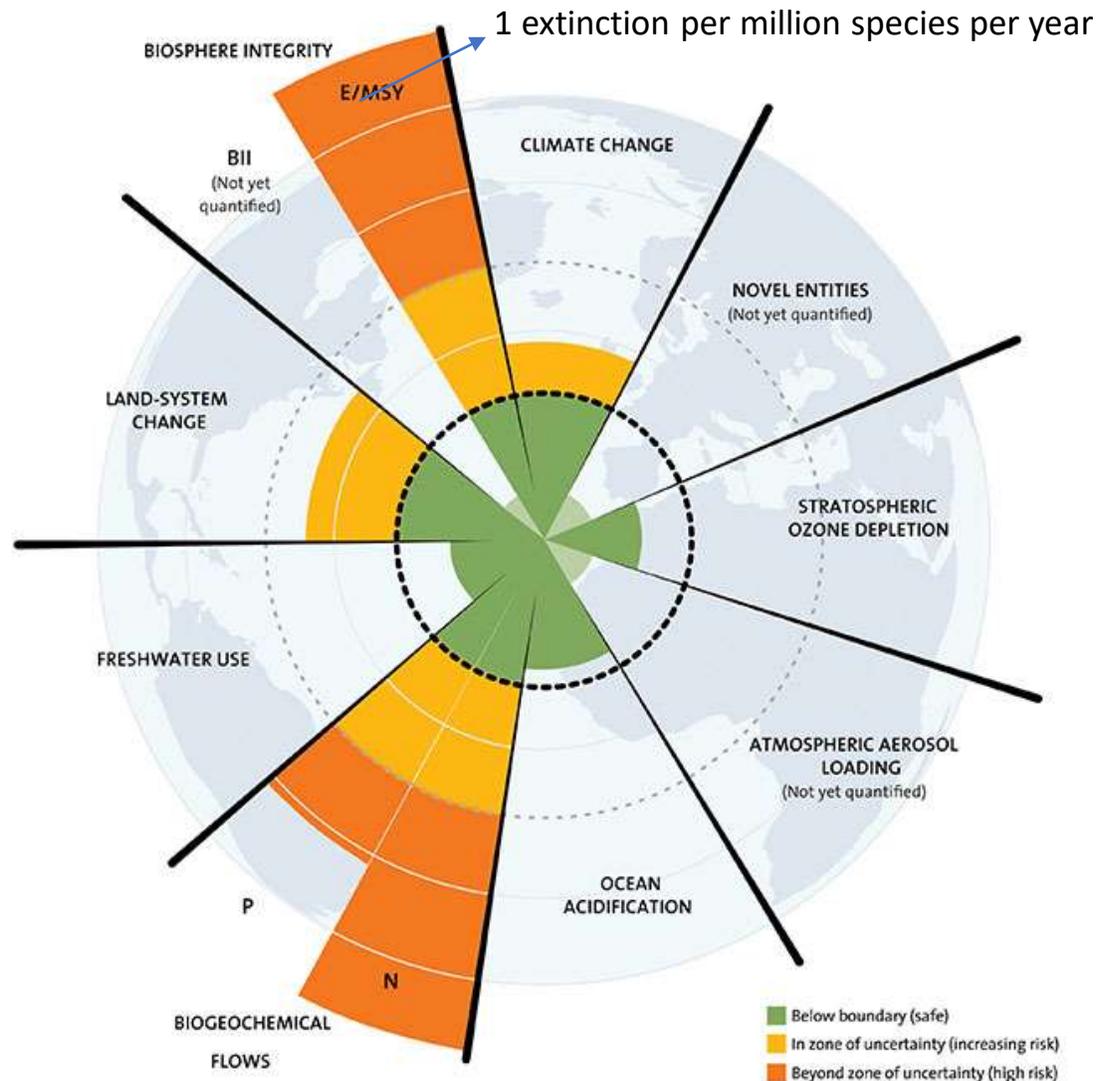


UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

PhD. Alessandro Manzardo  
[alessandro.manzardo@unipd.it](mailto:alessandro.manzardo@unipd.it)

25/06/2020

# The Context: Planetary Boundaries



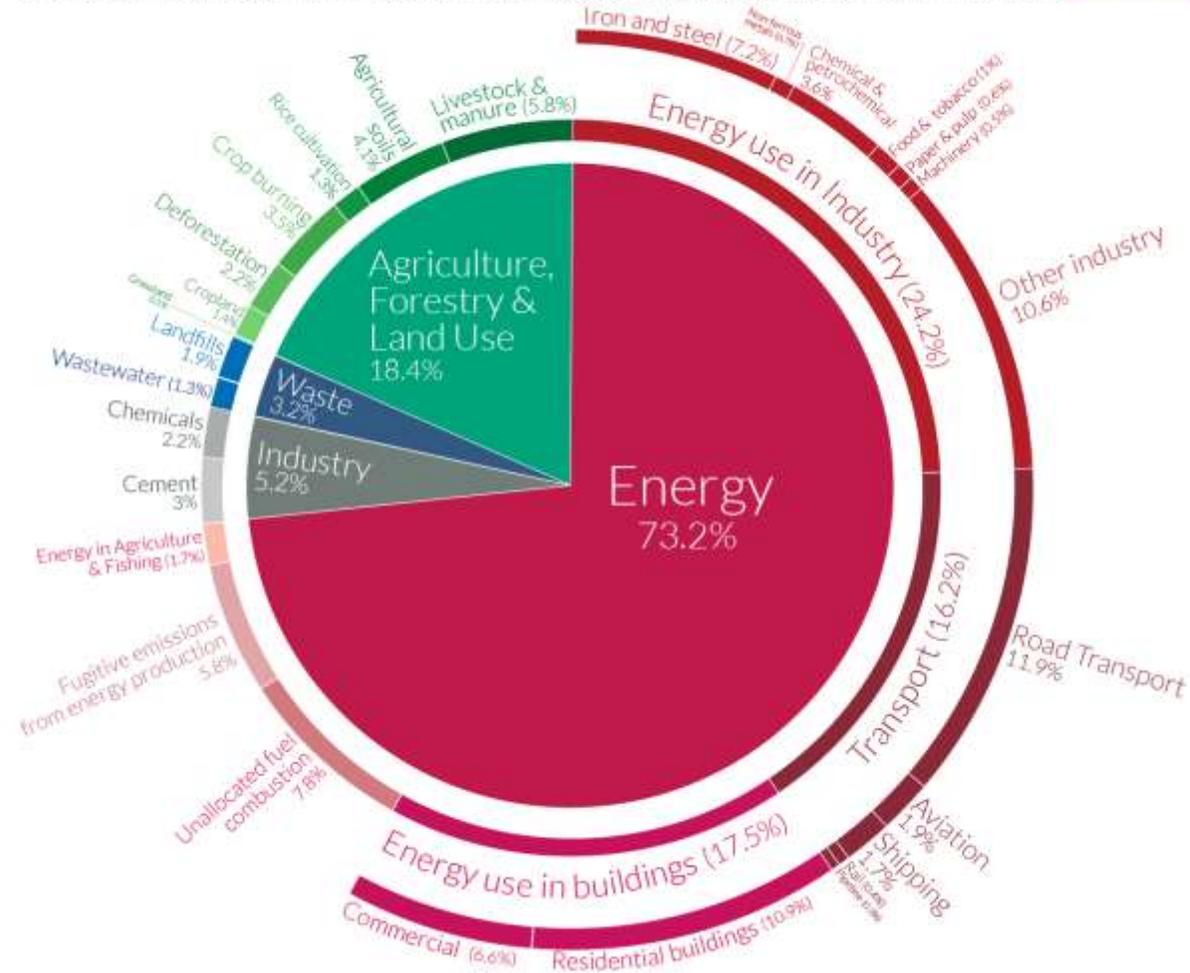
- Variety of aspects
- Interconnection among environmental compartments
- Uncertainty
- Lack of knowledge

# The Context: Focus on climate change burden sharing

## Global greenhouse gas emissions by sector



This is shown for the year 2016 – global greenhouse gas emissions were 49.4 billion tonnes CO<sub>2</sub>eq.



Production



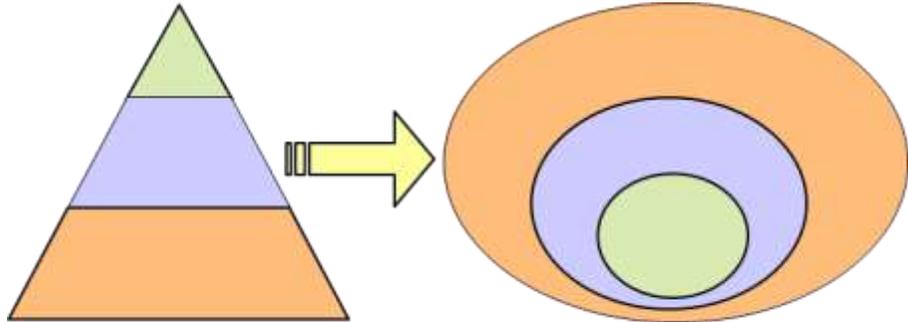
Consumption

# The Context: UN Sustainable Development Goals



Approved in 2015, refers to global sustainable challenges that need to be tackled by the international community

# The EU Policy: at the forefront of environmental action



- 1° Action programme (1973-1976)
- 2° Action programme (1977-1981)
- 3° Action programme (1983-1987)
- 4° Action programme (1987-1992)
- 5° Action programme (1992-2000)
- 6° Action programme (2002-2012)
- 7° Action programme (2013-2020)
- 8° Action programme (2021-2030)

- **FOCUS ORIENTED:** focus on sectorial environmental priorities such as waste management, pollutants emissions ruled by mandatory limits
- **COMMAND AND CONTROL:** mandatory limits and control from public authorities
- **VOLUNTARY AGREEMENT:** introduction of tools of voluntary adoption to manage environmental issues
- **COMPREHENSIVE APPROACH:** introduction of multidisciplinary approach towards environmental, social and economic dimensions of sustainability
- **LIFE CYCLE THINKING:** product extended responsibilities, development of supply chain control
- **NET ZERO GREEN HOUSE GAS EMISSIONS:** .....

# The EU Policy: at the forefront of environmental action

## INTEGRATED PRODUCT POLICY

1. All of the products and services have an Environmental impact
2. Economic Growth is directly influenced by the production and use of products

2003

## SUSTAINABLE PRODUCTION AND CONSUMPTION

1. Social, economic and environmental issues are inseparable and interdependent
2. SCP is in this context aimed at promoting economic growth and social cohesion without impairing environmental quality.

2008

**OBJECTIVE:** combine life styles and well being with environmental protection towards sustainable production and consumption.

**KEYWORDS:** Life Cycle Thinking, working with the market (e.g. directives, incentives, agreements), stakeholder involvement, continuous improvement

<http://europa.eu.int/comm/environment/ipp/integratedpp.htm>

<https://ec.europa.eu/jrc/en/research-topic/sustainable-production-and-consumption>

# The EU Policy: guiding principles for sustainable production and consumption



**Life Cycle Thinking:** look at products and organizations in a life cycle perspective from cradle to grave perspective to avoid the shift of potential impacts among life cycle stages;

**Comprehensiveness:** look at all of the potential relevant impacts to avoid the shift between environmental impact categories;



Zero emissions?

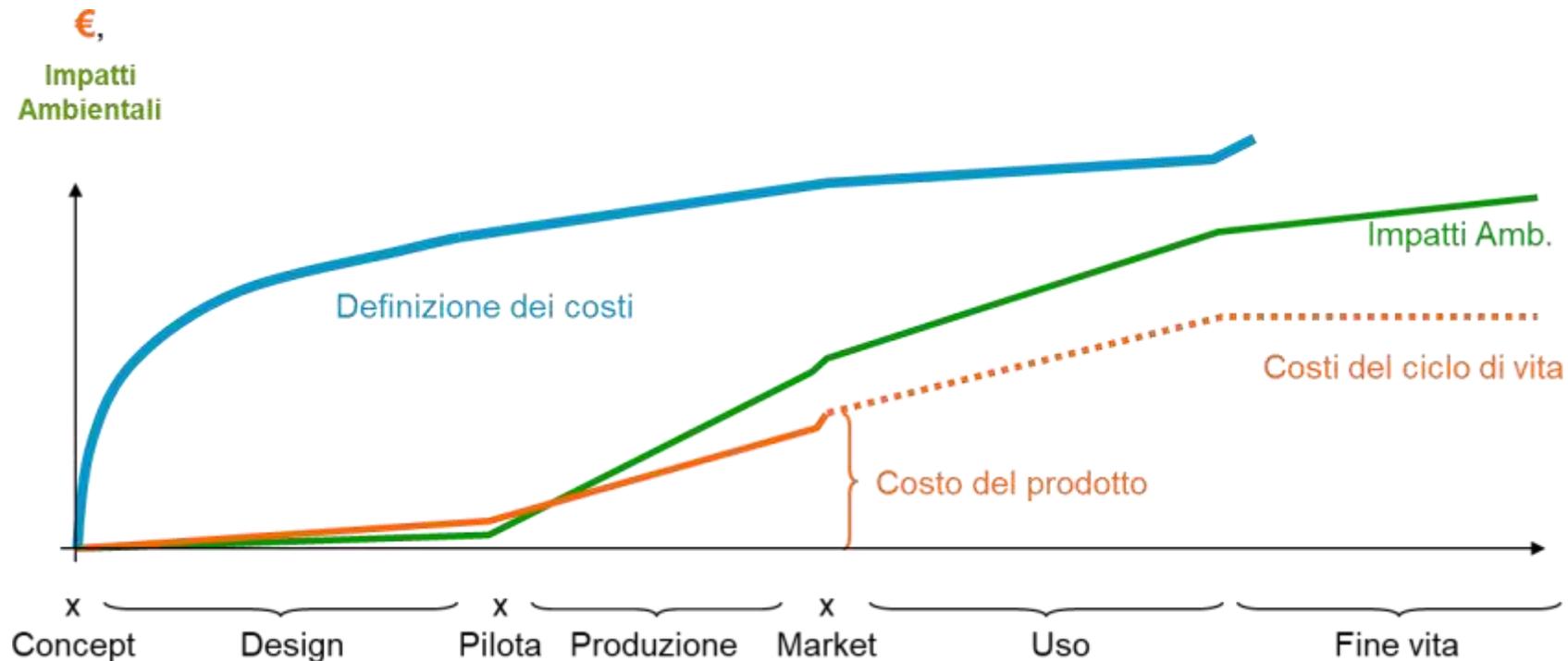
Or emissions somewhere else?

**System approach:** consider the product system and the actual and potential conditions under which the product is actually used and managed.

# The EU Policy: guiding principles for sustainable production and consumption

## Environmentally conscious design ECD

systematic approach which considers environmental aspects in the design and development with the aim to reduce adverse environmental impacts throughout the life cycle of a product»



# The EU Policy: the role of public bodies in procurement procedures

GPP is a voluntary instrument designed to support the market of products and services with **improved environmental performances.**

2008



2008

Public administration, when purchasing products and services (e.g. building, food, textiles, furniture etc.) have to pay attention to the environmental performances.

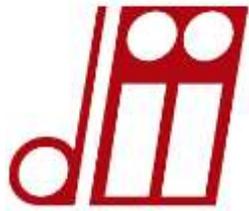
## COM (2020) 640 final of 11.12.2019

### 2.1.3. Mobilising industry for a clean and circular economy

Public authorities, including the EU institutions, should lead by example and ensure that their procurement is green. The Commission will propose **further legislation and guidance on green public purchasing.**



2019



THANK YOU!

1222 • 2022  
800  
ANNI



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

PhD. Alessandro Manzardo  
alessandro.manzardo@unipd.it