



# Transforming industry towards circular economy The policy context of H2020 calls

**Peter Dröll**

European Commission

DG Research and innovation

Directorate Prosperity

# A European Green Deal

*We will be a world leader in circular economy and clean technologies*

## **A JUST TRANSITION**

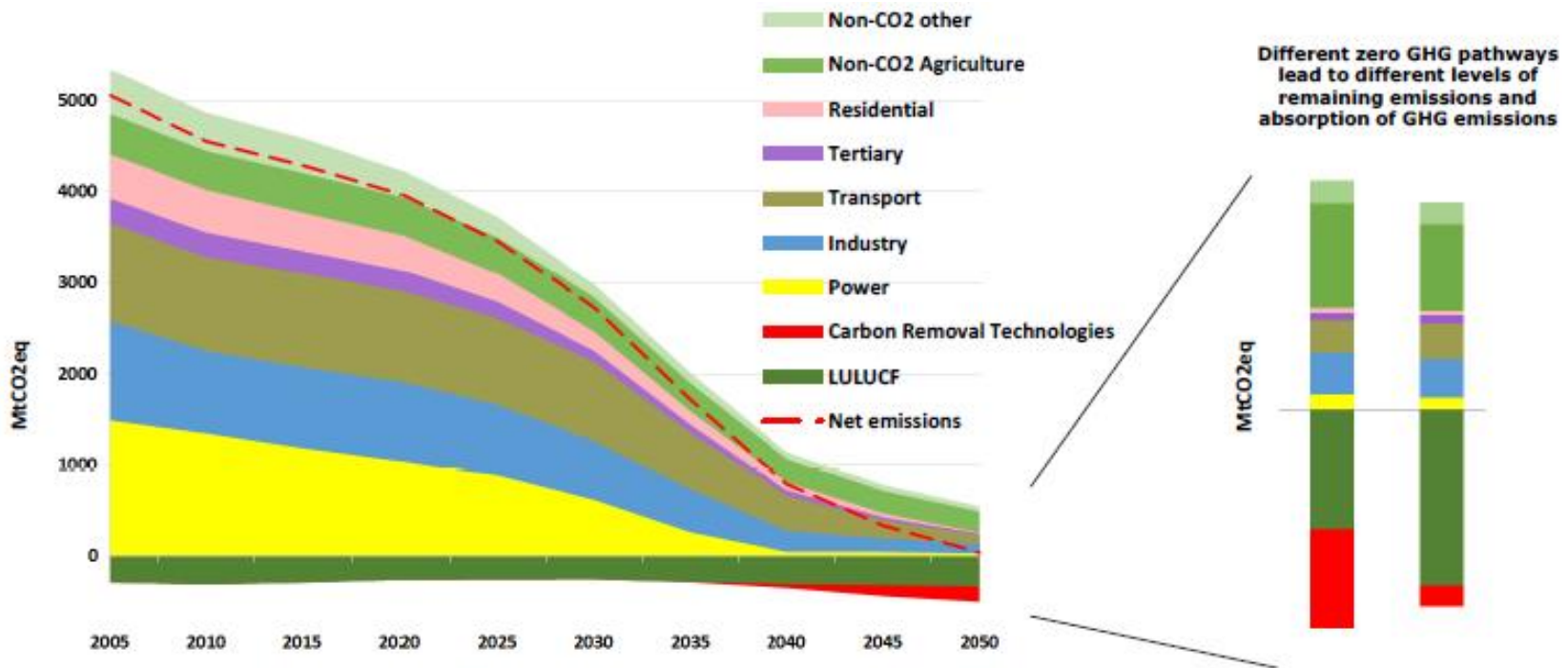
- *Extend the ETS*
- *Carbon Border Tax*
- *Cohesion funds*
- *A new Just Transition Fund*
- *A new **Circular Economy** Action Plan*



## **A SUSTAINABLE EUROPE INVESTMENT PLAN**

- *Strategy for green financing*
- *Turn parts of the EIB into Europe's climate bank*
- *Biodiversity Strategy for 2030*
- *"Farm to Fork Strategy" on sustainable food*
- *Zero-Pollution ambition*
- *Europe to lead on the issue of single-use plastics*

# GHG Emission curve to prevent a temperature increase below 1,5 °C



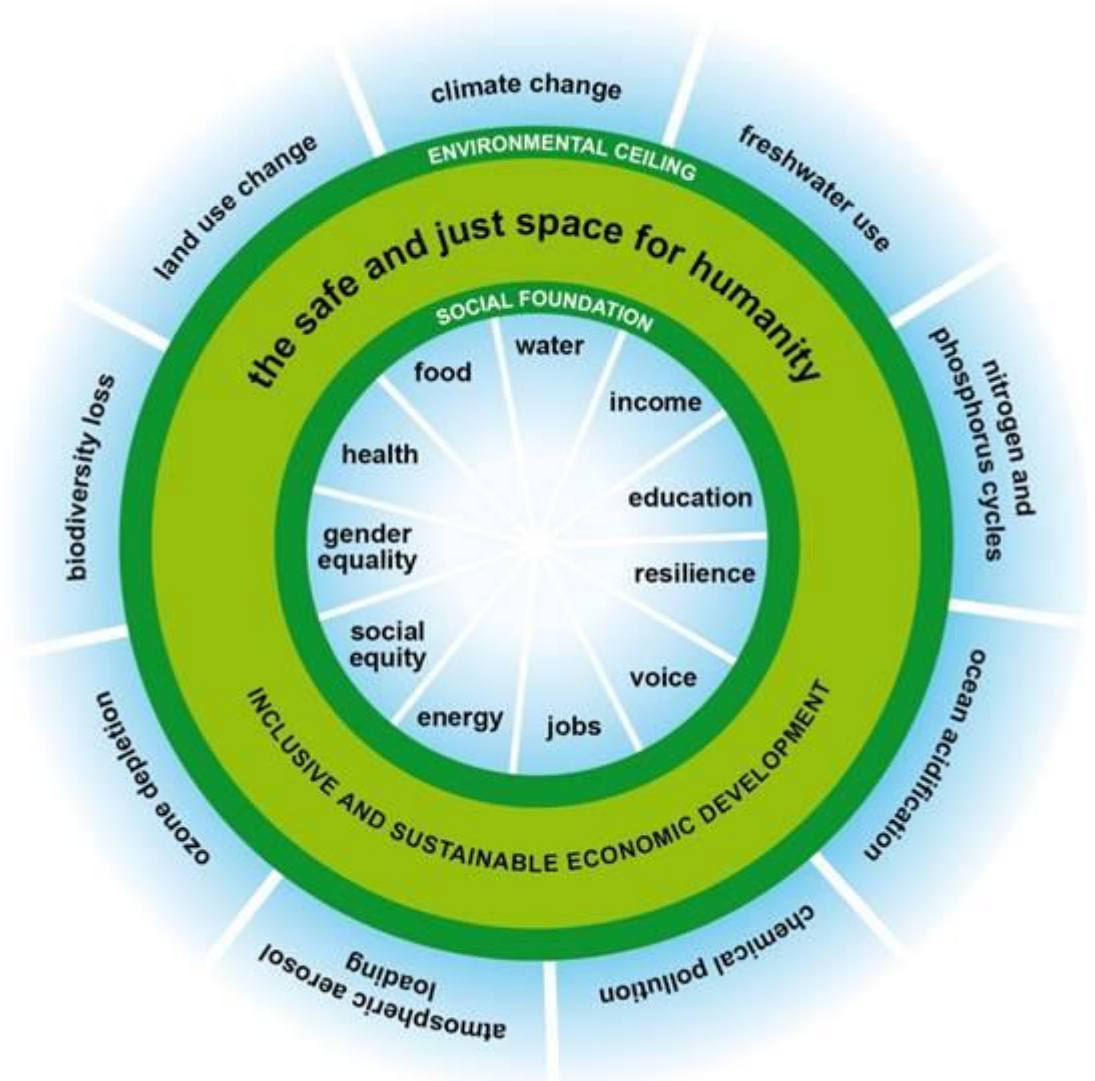
# Our vision

*A sustainable, fair and **prosperous** future for **people** and **planet** based on European values*

- *Tackling **climate change** (35% budgetary target)*
- *Helping to achieve the **Sustainable Development Goals***
- *Boosting the Union's **competitiveness and growth***



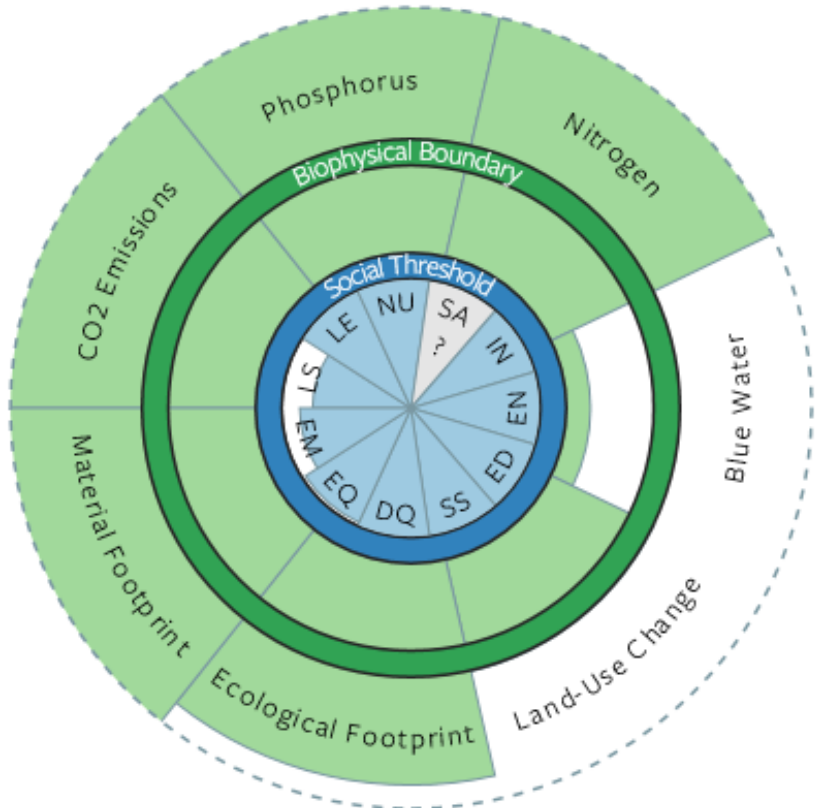
# Meet needs of all within the means of the planet (1)



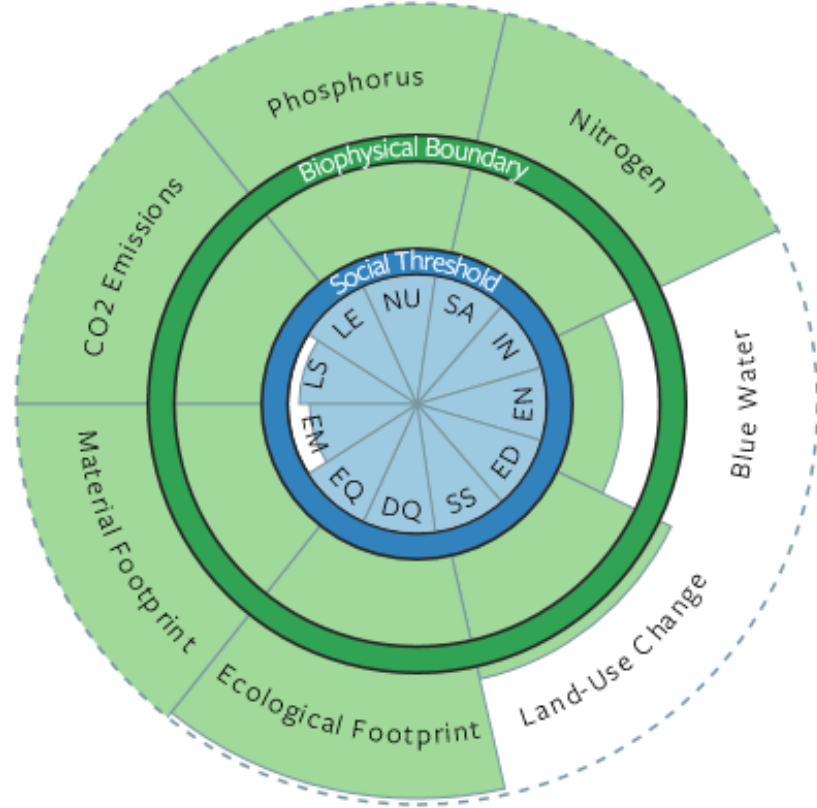
Source: <https://www.kateraworth.com/2014/10/16/doughnut-inequality/>

# Meet needs of all within the means of the planet (2)

## POLAND



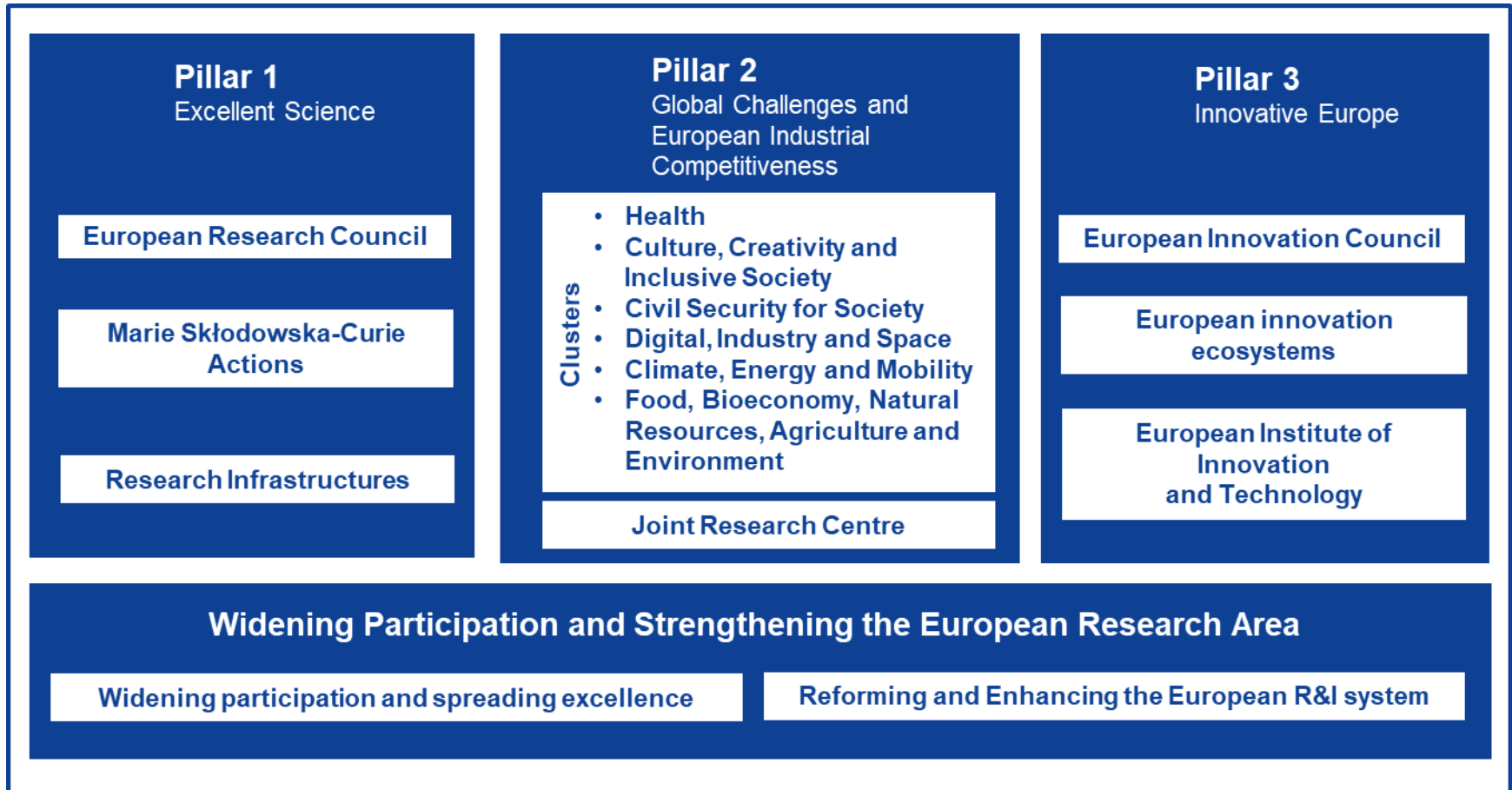
## EU-28



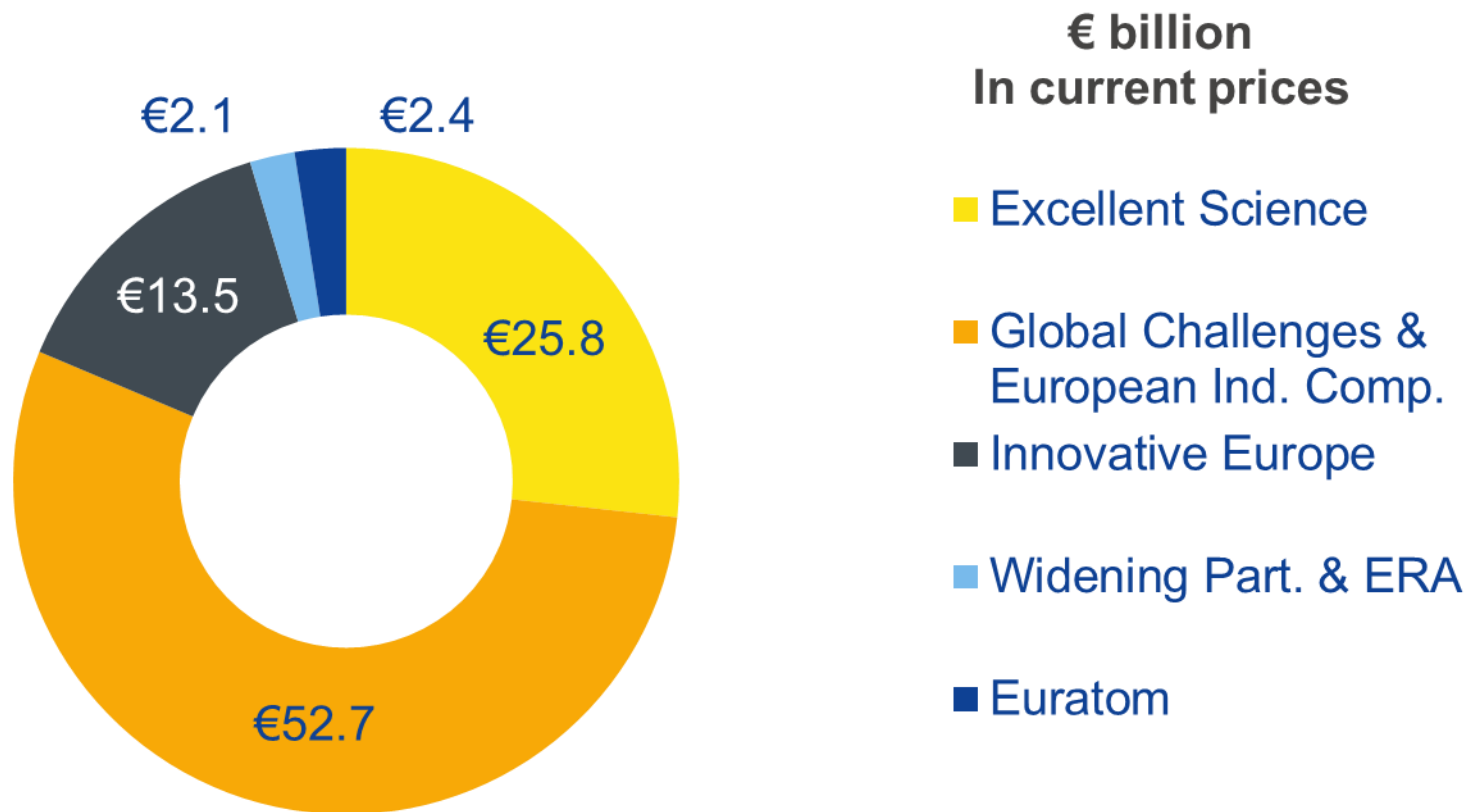
- |                           |                         |
|---------------------------|-------------------------|
| LS - Life Satisfaction    | ED - Education          |
| LE - Healthy Life Expect. | SS - Social Support     |
| NU - Nutrition            | DQ - Democratic Quality |
| SA - Sanitation           | EQ - Equality           |
| IN - Income               | EM - Employment         |
| EN - Access to Energy     |                         |



# Horizon Europe: preliminary structure



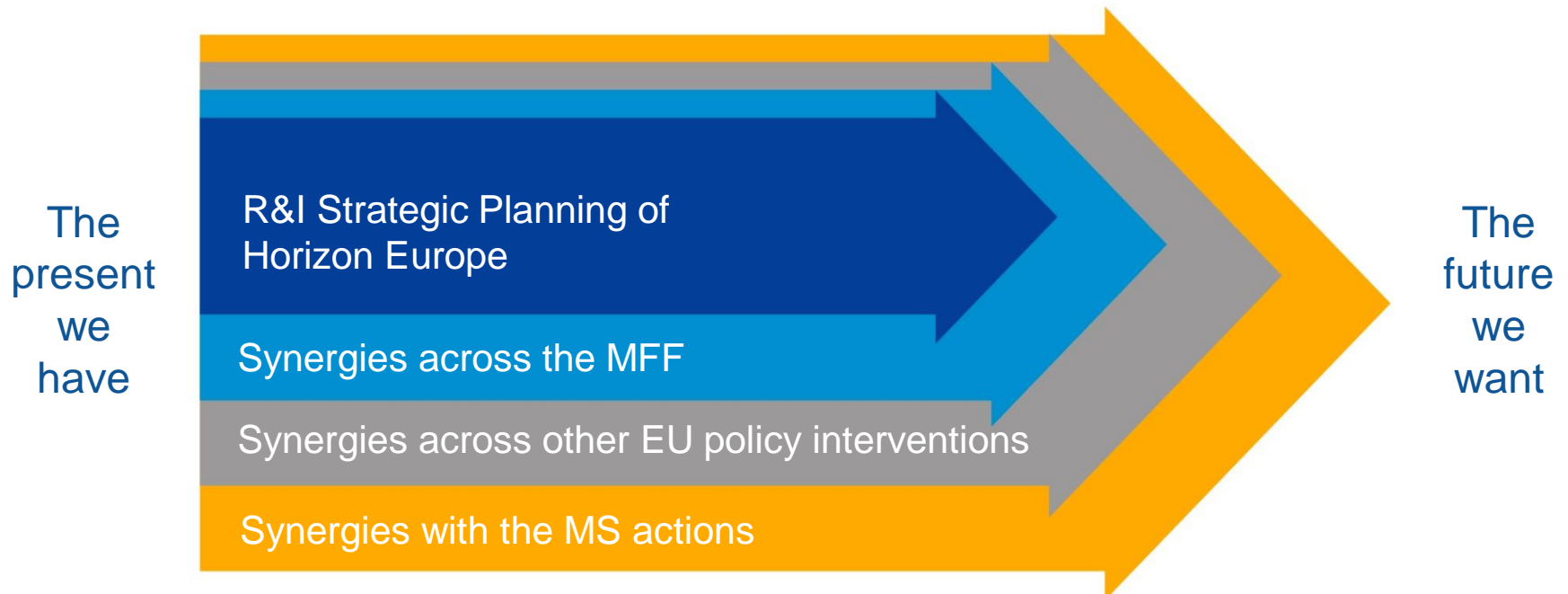
# Commission proposal for budget: €100 billion\* (2021-2027)



\* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund

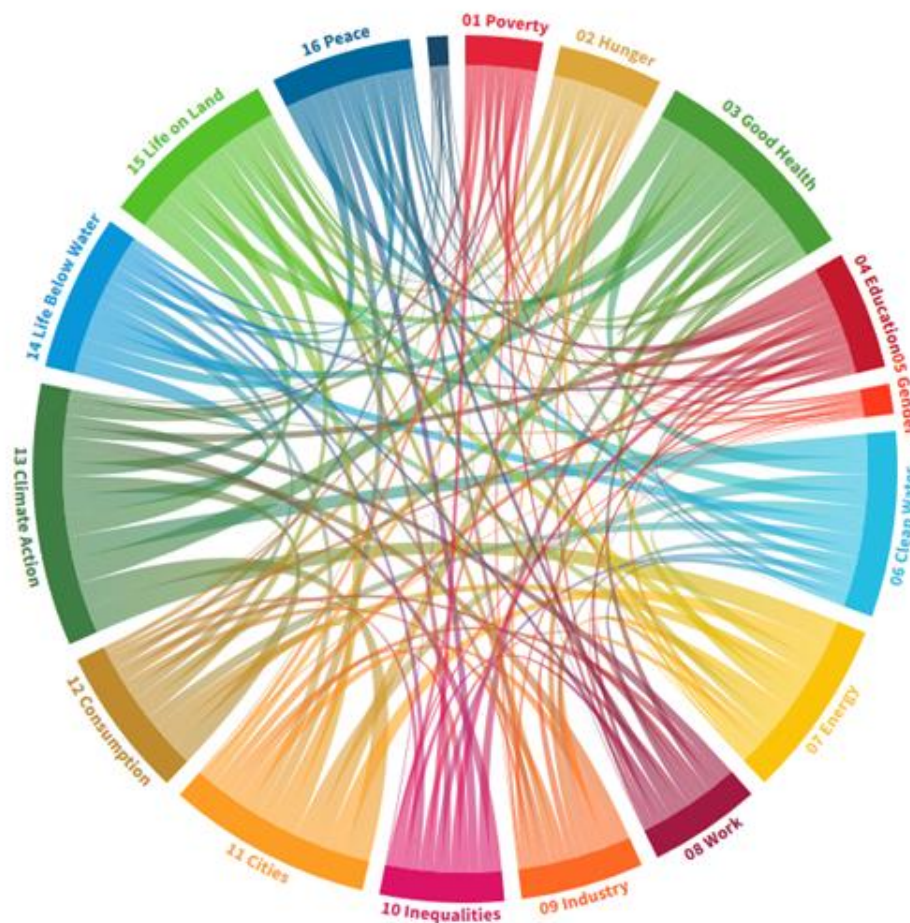


# The Strategic Planning Process



... and our strategic plan will attract attention and cooperation at international/global level

# Overview of the SDGs interlinks among H2020 investments



An average H2020 project potentially relates to three different SDGs

# Cross-Cutting Call: Competitive, Low Carbon and Circular Industries

NMBP	Budgets
<ol style="list-style-type: none"><li>1. NMBP - ERA-NET on materials, supporting the circular economy and Sustainable-Development-Goals</li><li>2. NMBP - Materials life cycle sustainability analysis (RIA)</li><li>3. SPIRE - Tapping into the potential of Industrial Symbiosis (IA)</li><li>4. SPIRE - Preserving fresh water: recycling industrial waters industry (IA)</li><li>5. SPIRE - Alternative mineral resources for high volume production (IA)</li></ol>	<b>118.5 M€</b>
<b>SC5</b> <ol style="list-style-type: none"><li>6. Develop, implement and assess a circular economy oriented product information management system for complex products from cradle to cradle (IA)</li><li>7. Raw materials innovation for the circular economy (IA): processing and refining of primary and/or secondary raw materials; recycling of raw materials from end-of-life products &amp; buildings; advanced sorting systems for high-performance recycling of complex end-of-life products, sustainable metallurgical processes</li><li>8. Raw materials policy support actions for the circular economy: Expert network on Critical Raw Materials (CSA)</li></ol>	<b>58 M€</b>
<b>SC3</b> <ol style="list-style-type: none"><li>9. Low carbon industrial production using CCUS (IA)</li><li>10. Industrial (Waste) Heat-to-Power conversion (IA)</li></ol>	<b>29 M€</b>

The overall budget is 205.5 M€

# Cross-Cutting Call: Competitive, Low Carbon and Circular Industries

Topics (Type of Action)	Budgets (EUR million)	Deadlines
<b>Opening: 03 July 2019</b>		
<b>CE-NMBP-41-2020 (ERA-NET-Cofund)</b>	15	05 Feb 2020
<b>CE-NMBP-42-2020 (RIA)</b>	6	
<b>CE-SC5-08-2020 (CSA)</b>	3	
<b>CE-SPIRE-01-2020 (IA)</b>	97.5	
<b>CE-SPIRE-07-2020 (IA)</b>		
<b>CE-SPIRE-09-2020 (IA)</b>		
<b>CE-SC5-07-2020 (IA)</b>	40	05 Feb 2020 (First Stage)
<b>CE-SC5-31-2020 (IA)</b>	15	03 Sep 2020 (Second Stage)
<b>Opening: 05 May 2020</b>		
<b>LC-SC3-CC-9-2020 (IA)</b>	14	01 Sep 2020
<b>LC-SC3-NZE-5-2020 (IA)</b>	15	
<b>Overall indicative budget</b>	<b>205.5</b>	