



Roundtable: Future of PPPs in Horizon Europe

Porto, 25 November 2019

Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
INVESTMENT PROGRAMME (2021 – 2027)

#HorizonEU

Based on the Commission Proposal for Horizon Europe, the common understanding between co-legislators and the Partial General Approach, both approved in April 2019

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Research and
Innovation



Overview

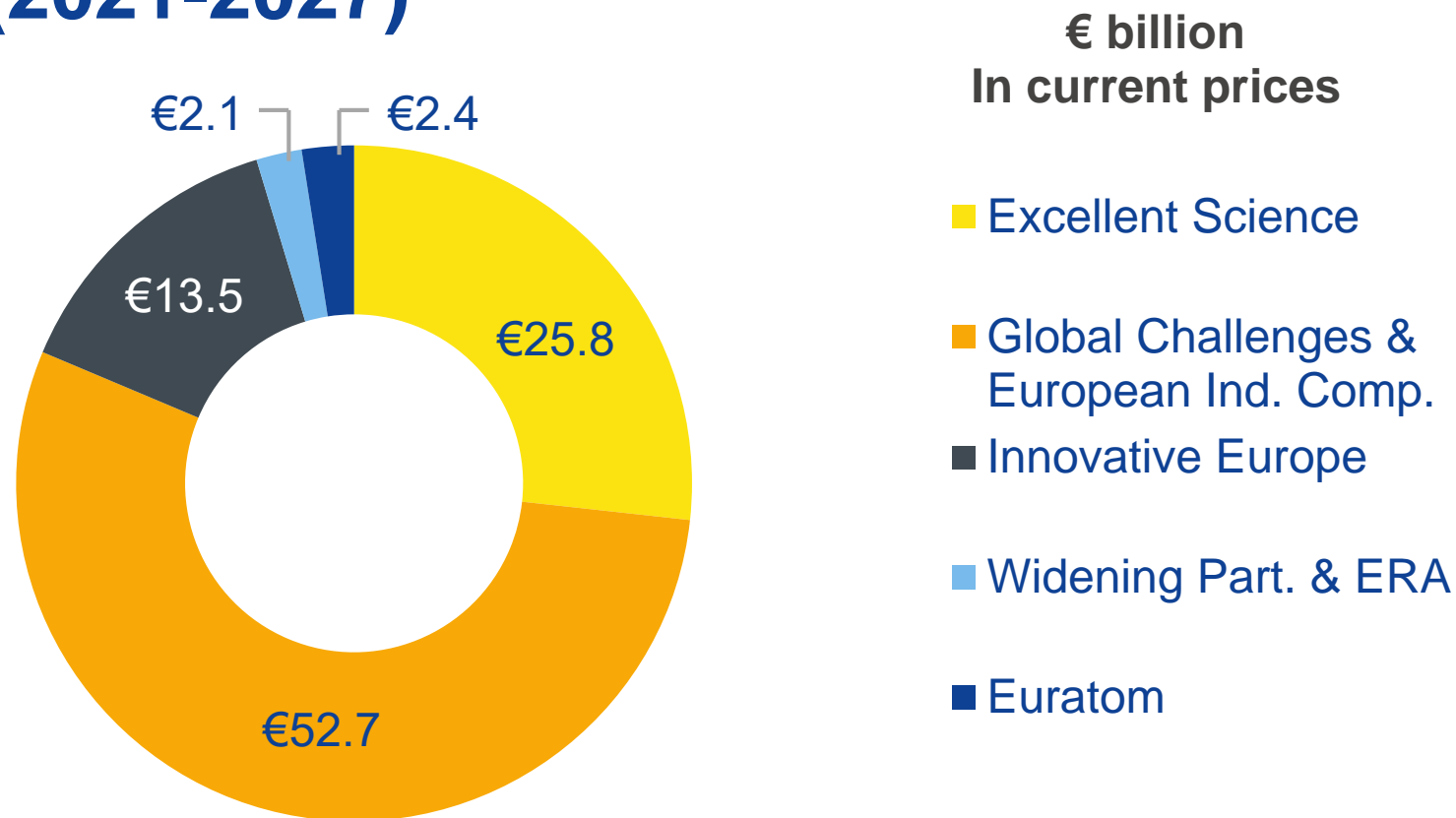
- *State of play – Horizon Europe (2021-2027)*
- *Strategic Plan and manufacturing (2021 – 2024)*
- *European partnership: From Factories of the Future to Made in Europe*

European Parliament and Council reached a common understanding on Horizon Europe on 19 March 2019

- Budget, synergies and third country association still pending, depending on the overall MFF negotiations
- Commission has started preparations for the implementation of Horizon Europe



Not agreed to date – budget under MFF: €100 billion* (2021-2027)

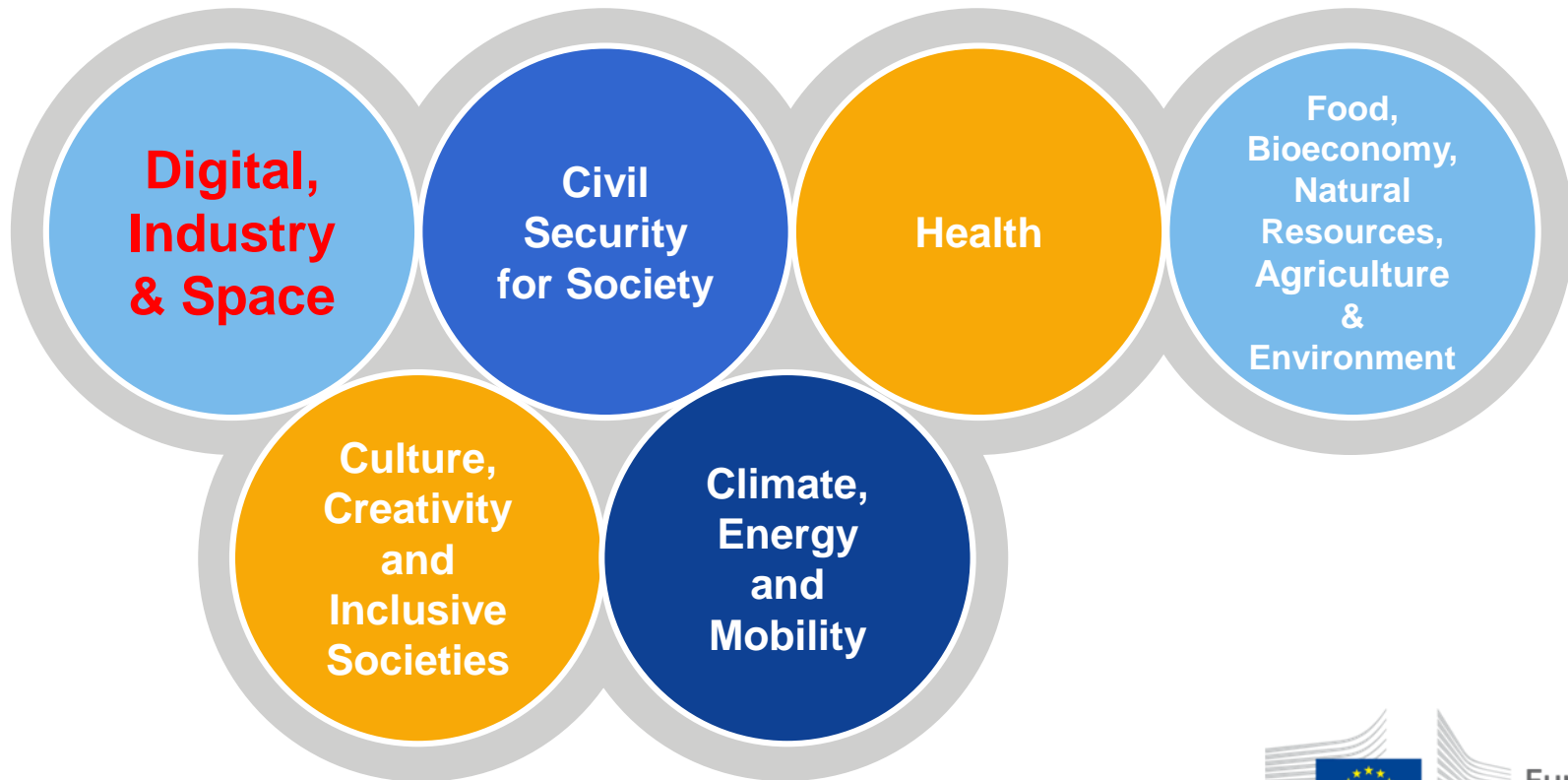


* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

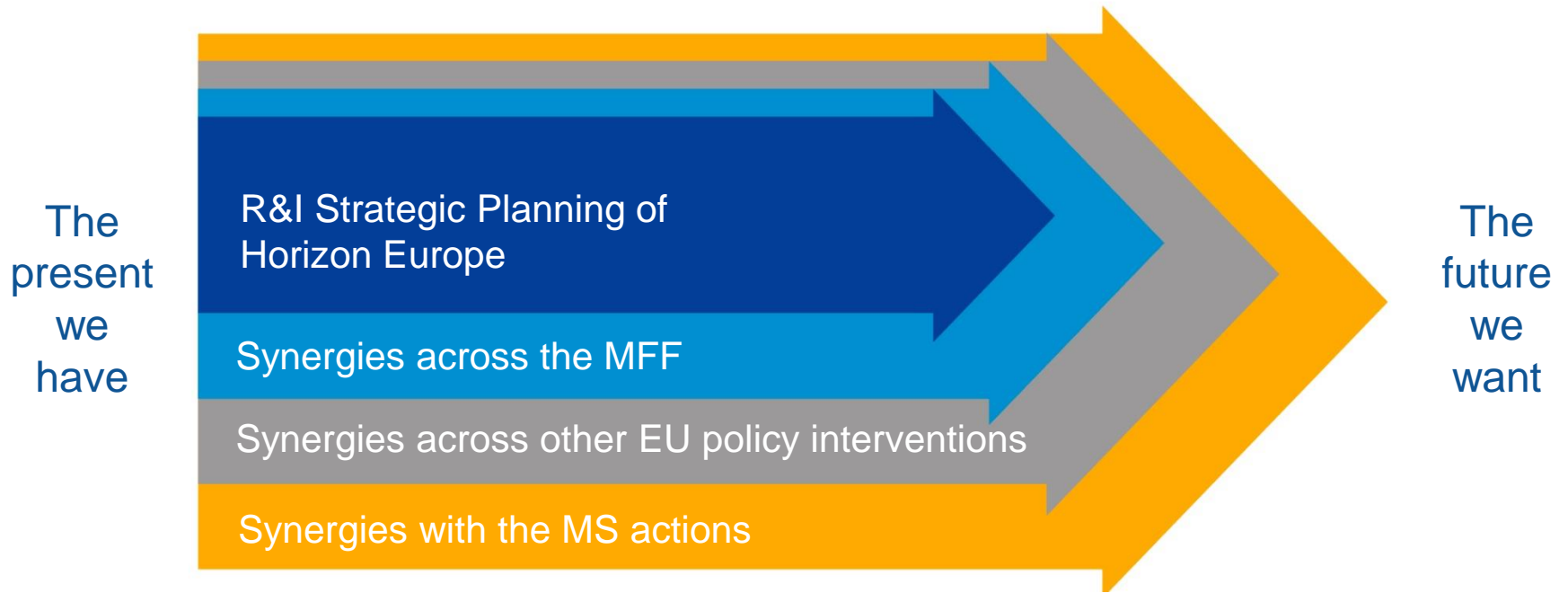
Strategic plan and manufacturing

Pillar 2 : Global Challenges & European Industrial Competitiveness: **Cluster 4**

Commission proposal for budget: € 52.7 billion



The Strategic Planning Process



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

Ongoing consultation!!

“

human centred, highly flexible and sustainable enterprises, providing attractive jobs, including in urban areas, supporting leadership in strategic value chains and offering new products for new markets

”

**Strategic plan to define
desired impact for our
investment in manufacturing**

Manufacturing under the Strategic plan (1)

- *New value added job creation*
 - Technologies in design, engineering, logistics and end-of life management
 - Customisation and product-service systems
 - Emerging technologies, such as artificial intelligence and human-robot collaboration
- *Value chains based on digital industrial platforms (B2B)*
 - In all production sectors (from automotive, aerospace to health and food processing)
- *Raise productivity and shorten innovation cycles*
 - New business models,
 - Urban and distributed manufacturing
 - Higher quality products

Manufacturing and strategic plan (2)

- *Circular economy: products reused in new value chains*
 - Zero-waste manufacturing
 - De- and remanufacturing, including smart recycling
 - Re-use of raw materials, repair and refurbishment
- *Bio-integrated manufacturing*
 - Research in biology, engineering, machine learning,
 - Biomachining, biomimetics, biomechanics, bio-inspired digital manufacturing
- *Enabling a new way to build*



European Partnerships: a new approach

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key features

- **Simple architecture and toolbox**
- **Coherent life-cycle approach**
- **Strategic orientation**

Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

Co-funded

Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

Made in Europe

**Replacing
Factories of the
Future (FoF)**

**Strategic plan
2021-2024**

**Work programme
2021/2022**

**Example of
CO-
programmed
partnership**

**Mainly Cluster 4
of Horizon
Europe**

**EIT
Manufacturing**

Synergies

Conclusions

1. Priorities set for manufacturing for 2021-2024
2. Competitiveness very important but also sustainability and inclusiveness
3. From “Factories of the Future” to “Made in Europe”



'We are now on track to launch the most ambitious ever European research and innovation programme in 2021, shaping the future for a strong, sustainable and competitive European economy and benefiting all regions in Europe.'

Carlos Moedas, Commissioner, 20/3/2019





Thank you!

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<http://ec.europa.eu/horizon-europe>