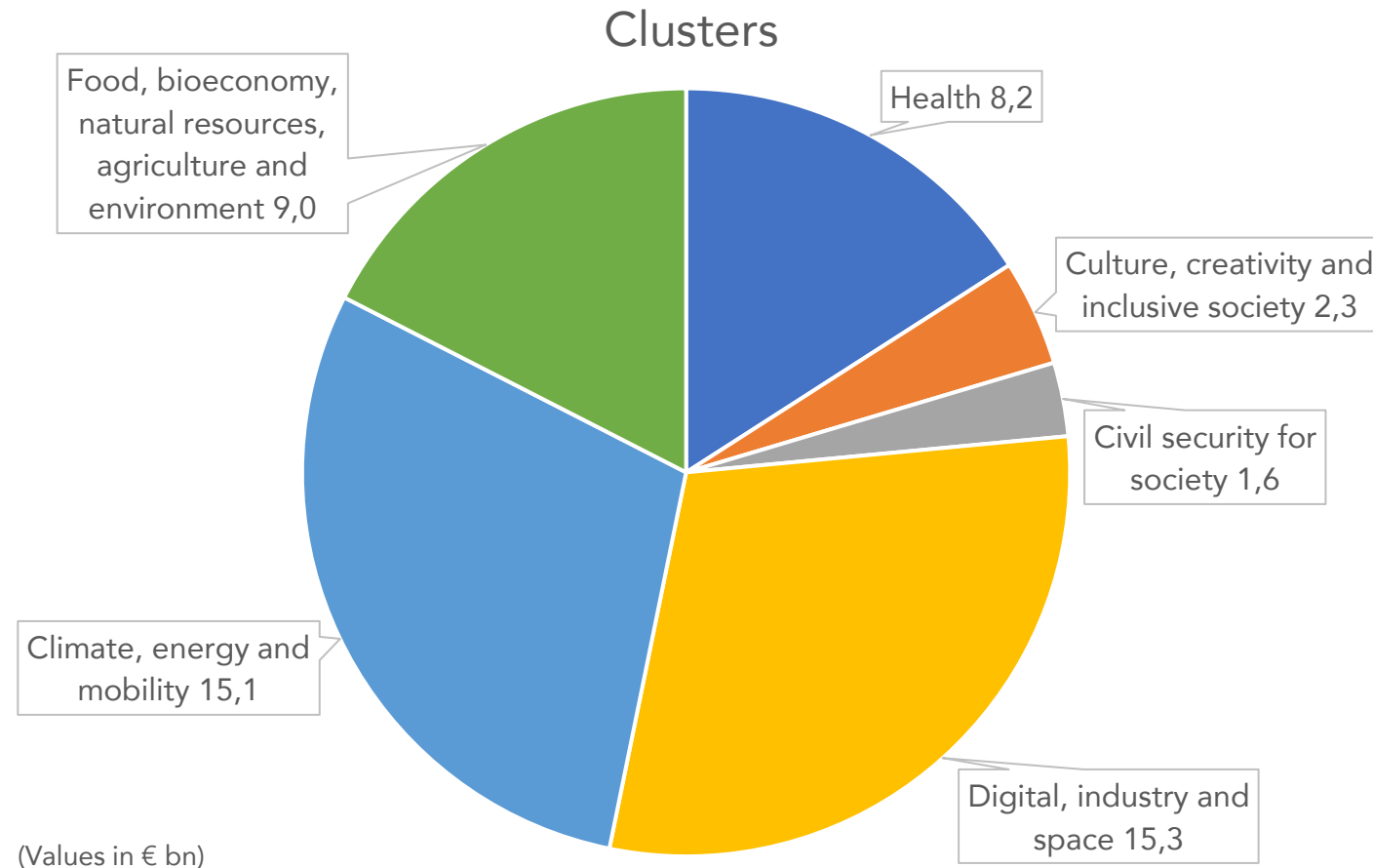# Horizon Europe
Global Challenges and European Industrial Competitiveness pillar

Uppsala University, 12.1.2021

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Global challenges and European Industrial Competitiveness (€53,5bn)

Clusters

Food, bioeconomy, natural resources, agriculture and environment 9,0

Health 8,2

Culture, creativity and inclusive society 2,3

Civil security for society 1,6

Climate, energy and mobility 15,1

Digital, industry and space 15,3

(Values in € bn)

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Examples of impact areas

Cluster 1: Health

- Understanding health and care needs throughout the life course, health promotion, development of innovative services and policies

- Tackling diseases and reducing disease burden

- Maintaining an innovative, sustainable and globally competitive health-related industry

- Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

Cluster 2: Culture, creativity, and inclusive society

- Reinvigorating democratic governance and strengthening active and inclusive citizenship

- Supporting cultural heritage, arts and cultural and creative sectors as a driver of sustainable innovation

- Supporting social and economic resilience through a better understanding of drivers of change such as technology, globalisation, demographics, mobility and migration

Examples of impact areas (2)

Cluster 5. Climate, energy and mobility

- Enabling transition to a climate-neutral and resilient society and economy through advanced climate science, pathways and responses to climate change (mitigation and adaptation) and behavioural transformations.

- More efficient, clean, sustainable, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions.

- Efficient and sustainable use of energy, accessible for all is ensured through a clean energy system and a just transition.

- Towards climate-neutral and environmental friendly mobility through clean solutions across all transport modes while increasing global competitiveness of the EU transport sector.

- Safe, seamless, smart, inclusive, resilient, climate neutral and sustainable mobility systems for people and goods thanks to user-centric technologies and services including digital technologies and advanced satellite navigation services.

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Cross-cutting features

- Interdisciplinarity & cross-sectoral collaboration

- Citizen engagement

- Gender aspects in all funded projects

- Blind evaluation in 2-stage calls

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R&I Missions

Cancer

Soil health and food

Climate-neutral and smart cities

Healthy oceans, seas, costal and inland waters

Adaptation to climate change, including societal transformation

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Action types & application

- **Research and innovation actions (RIA)** — Activities aiming primarily to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. This may include basic and applied research, technology development and integration, testing, demonstration and validation on a small-scale prototype in a laboratory or simulated environment.

- **Innovation actions (IA)** — Activities directly aimed at producing plans and arrangements or designs for new, altered or improved products, processes or services, possibly including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

- **Coordination and support actions (CSA)** — Activities contributing to the objectives of the Horizon Europe Programme, excluding research and innovation activities

- Consortium composition: 3 legal entities from 3 different EU Member States or Associated countries

- Limit for a full application is 45 pages unless specified otherwise (30 pages for CSAs)

- First application period is estimated for mid-April to September 2021

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