

DRIVING GROWTH ▲

"Horizon Europe at a Glance"

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RESEARCH
& INNOVATION
FOUNDATION

► Contents

- Framework Programmes
- Cyprus' participation
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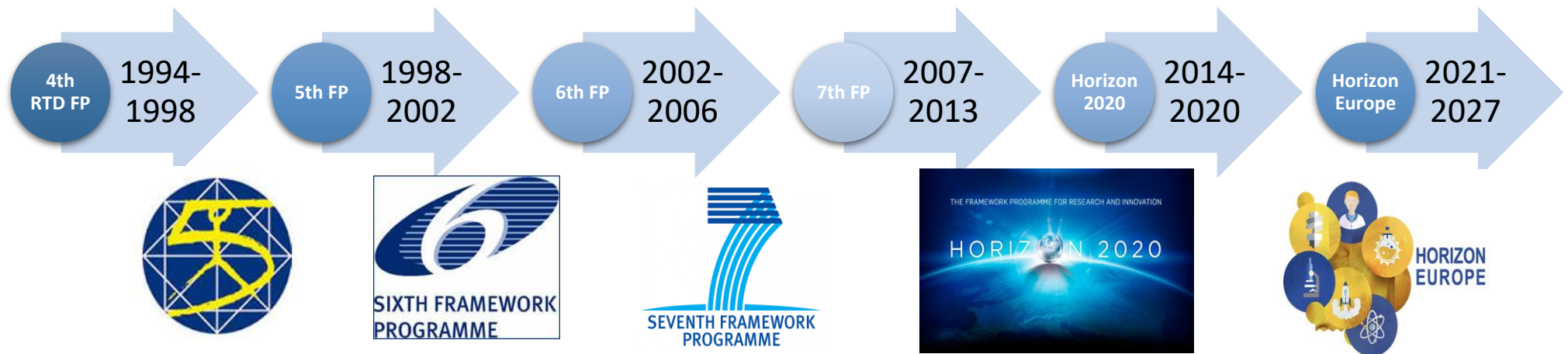


#HorizonEU
#InvestEUresearch
#EUResearchArea

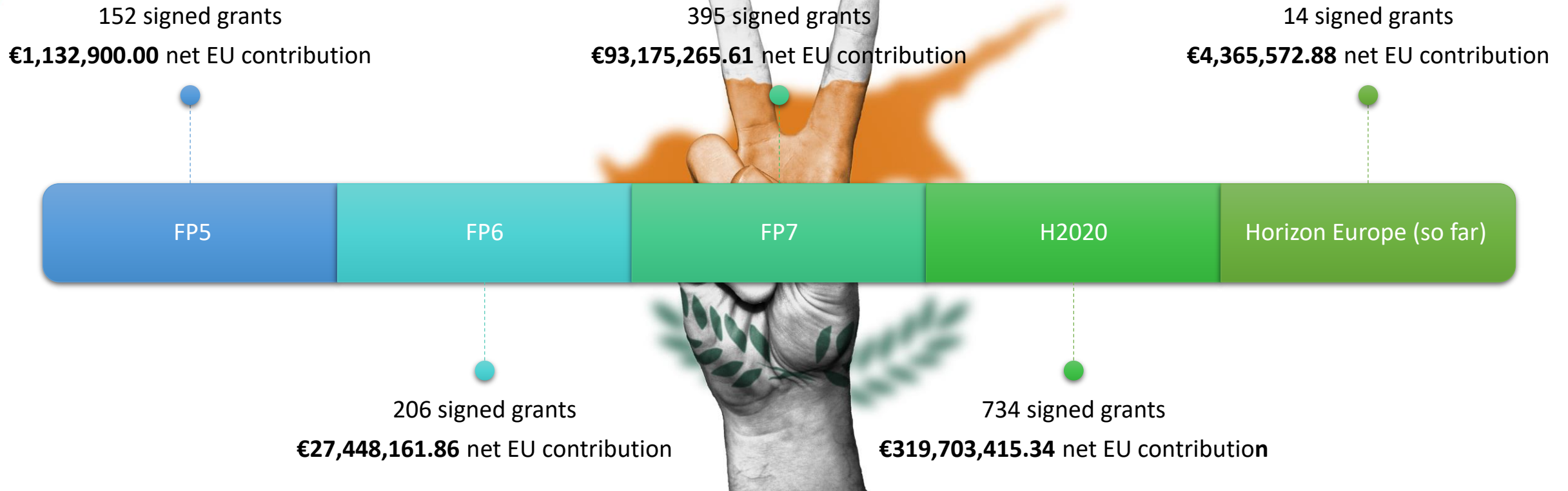
► Framework Programmes

Research and technological development activities have been defined and implemented by a series of multi-annual Framework Programmes (FP)

Main financial tools for the support of research and development activities



Cyprus' participation over the years





HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME

2021 – 2027

Research and
Innovation



Horizon Europe

The ambitious EU research and innovation framework programme 2021-2027



fuel EU's **scientific and technological excellence** and the strengthen the European Research Area (ERA)

Science & technology



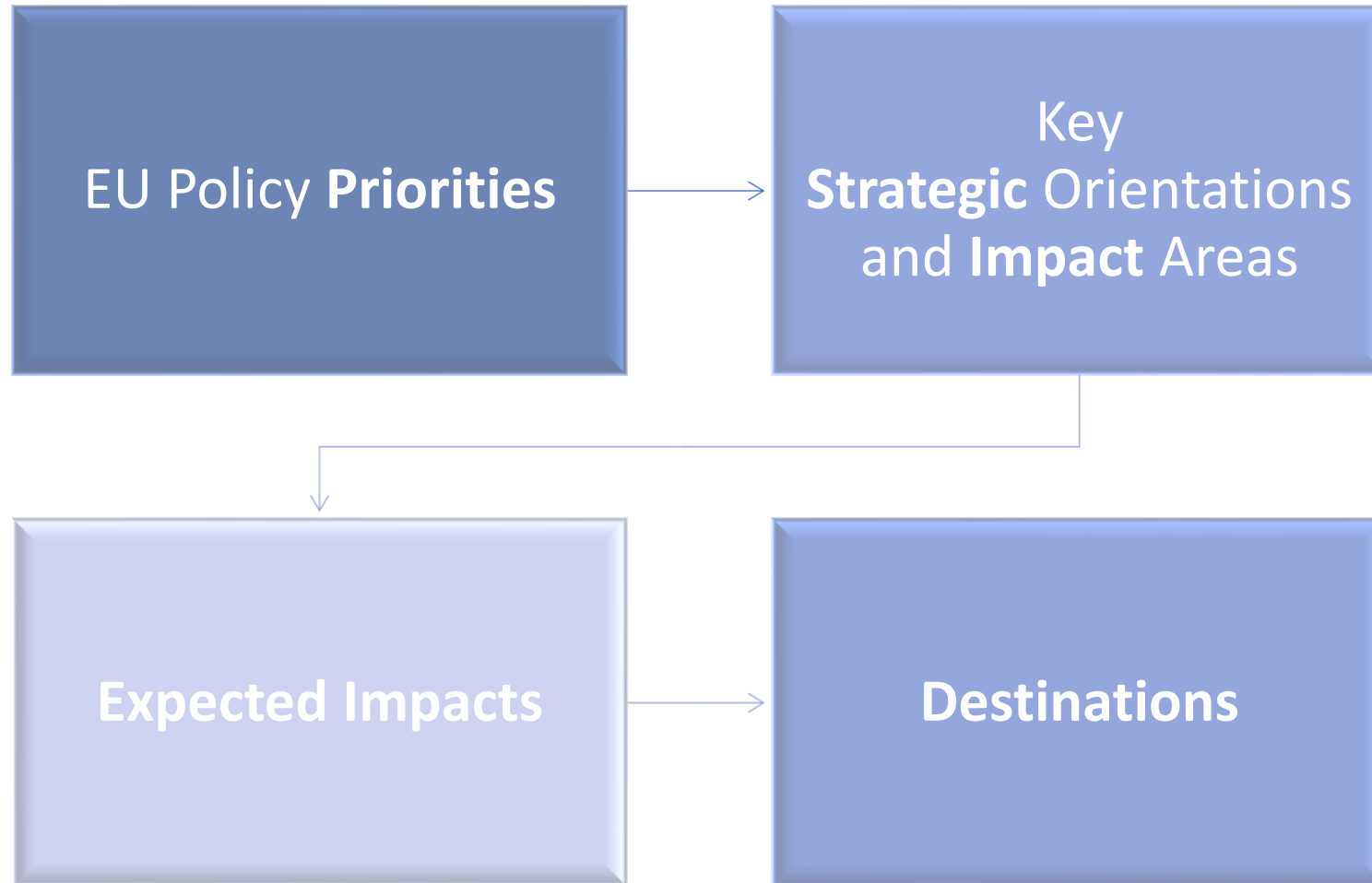
tackle policy priorities, including **green and digital transitions** and Sustainable Development Goals

Society



boost Europe's **innovation uptake, competitiveness and jobs**

Economy



Four key strategic orientations for greater impact

Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations



Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment



Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems



Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions



HORIZON EUROPE

Program Structure



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



**Pillar I
EXCELLENT SCIENCE**

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



**Pillar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS**

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



**Pillar III
INNOVATIVE EUROPE**

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint
Research
Center





* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

HORIZON EUROPE Budget: €95.5 billion (2021-2027)

HORIZON EUROPE BUDGET

Horizon Europe programme structure

Total
in € million

	EXCELLENT SCIENCE <i>of which</i>	25 011
	The European Research Council (ERC)	16 004
	Marie Skłodowska-Curie Actions (MSCA)	6 602
	Research infrastructures	2 406
	GLOBAL CHALLENGES AND EUROPEAN INDUSTRIAL COMPETITIVENESS <i>of which</i>	53 516
	Health	8 246
	Culture, creativity and inclusive society	2 280
	Civil Security for Society	1 596
	Digital, Industry and Space	15 349
	Climate, Energy and Mobility	15 123
	Food, Bioeconomy, Natural Resources, Agriculture and Environment	8 952
	Non-nuclear direct actions of the Joint Research Centre (JRC)	1 970
	INNOVATIVE EUROPE <i>of which</i>	13 597
	European Innovation Council (EIC)	10 105
	European innovation ecosystems	527
	European Institute of Innovation and Technology (EIT)	2 965
	WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA <i>of which</i>	3 393
	Widening participation and spreading excellence	2 955
	Reforming and enhancing the European R&I System	438

TOTAL HORIZON EUROPE

95 517



HORIZON EUROPE

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Pillar I EXCELLENT SCIENCE



European Research Council

Frontier research by the best researchers and their teams

€16 billion



Marie Skłodowska-Curie Actions

Equipping researchers with new knowledge and skills through mobility and training

€6.6 billion



Research Infrastructures

Integrated and inter-connected world-class research infrastructures

€2.4 billion



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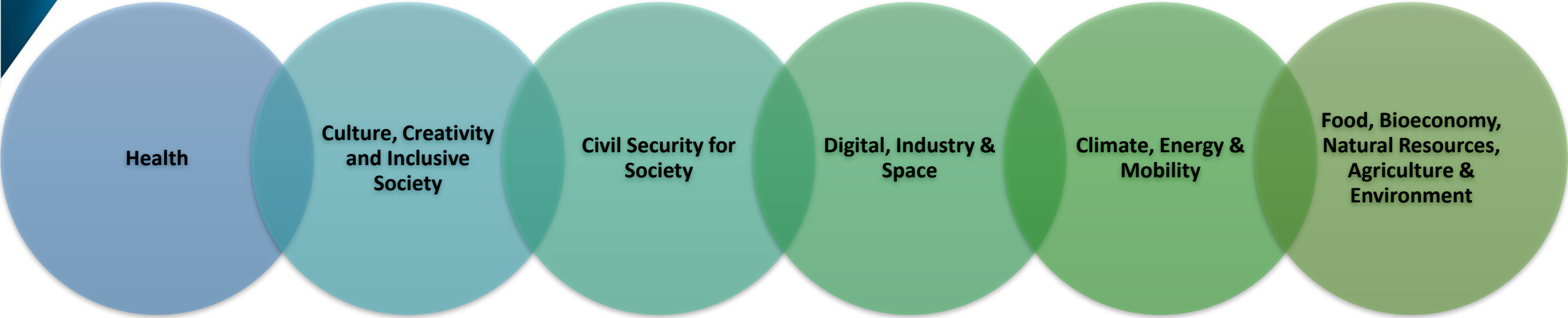
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Pillar II - Clusters

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS



€53.5 billion



DESTINATIONS

Health

- Destination 1 - Staying healthy in a rapidly changing society
- Destination 2 - Living and working in a health-promoting environment
- Destination 3 - Tackling diseases and reducing disease burden
- Destination 4 - Ensuring access to innovative, sustainable and high-quality health care
- Destination 5 - Unlocking the full potential of new tools, technologies and digital solutions for a healthy society
- Destination 6 - Maintaining an innovative, sustainable and globally competitive health industry

Culture, Creativity, and Inclusive Society

- Destination 1 - Innovative research on democracy and governance
- Destination 2 - Innovative research on European cultural heritage and the Cultural and Creative Industries (CCIs)
- Destination 3 - Innovative research on social and economic transformations

Civil Security for Society

- Destination 1 - Better protect the EU and its citizens against crime and terrorism
- Destination 2 - Effective management of EU external borders
- Destination 3 - Resilient infrastructure
- Destination 4 - Increased cybersecurity
- Destination 5 - A disaster resilient society for Europe
- Destination 6 - Strengthened Security Research & Innovation

Digital, Industry & Space

- Destination 1 - Climate neutral, circular and digitised production
- Destination 2 - Increased autonomy in key strategic value chains for resilient industry
- Destination 3 - World leading data and computing technologies
- Destination 4 - Digital and emerging technologies for competitiveness and fit for the green deal
- Destination 5 - Developing, deploying and using global space-based infrastructures, services, data and applications
- Destination 6 - A human-centred and ethical development of digital and industrial technologies

Climate, Energy and Mobility

- Destination 1 - Climate sciences and responses
- Destination 2 - Cross-sectoral solutions for the climate transition
- Destination 3 - Sustainable, secure and competitive energy supply
- Destination 4 - Efficient, sustainable and inclusive energy use
- Destination 5 - Clean and competitive solutions for all transport modes
- Destination 6 - Safe, Resilient Transport and Smart Mobility services for passengers and goods

Food, Bioeconomy, Natural Resources, Agriculture and Environment

- Destination 1 - Biodiversity and Ecosystem Services
- Destination 2 - Fair, healthy and environmentally friendly food systems from primary production to consumption
- Destination 3 - Circular economy and bioeconomy sectors
- Destination 4 - Clean Environment and Zero Pollution
- Destination 5 - Land, ocean and water for climate action
- Destination 6 - Resilient, inclusive, healthy and green rural, coastal & urban communities
- Destination 7 - Innovative governance, environmental observations and digital solutions in support of the Green Deal



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Pillar II JOINT RESEARCH CENTRE (JRC)

Independent Scientific Evidence for EU Policies



European Commission's science and knowledge service

Creates, manages and **makes sense of knowledge** and develop innovative tools and make them available to policy makers

Supports *EU policies with independent scientific evidence* throughout the whole policy cycle



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INNOVATIVE EUROPE:



Stimulating **market - creating breakthroughs and ecosystems** conducive to innovation

European Innovation Council

Support to innovations with breakthrough and market creating potential

European innovation ecosystems

Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

Bringing key actors (research, education and business) together around a common goal for nurturing innovation

€10.6 billion, incl. up to **€527 million** for ecosystems (including NGEU – Recovery Fund parts dedicated to EIC).

~ €3 billion



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Widening Participation & Strengthening the European Research Area (ERA)



Widening Participation and Spreading Excellence

€2.96 billion

- I.e., Teaming, Twinning, ERA Chairs,
- European Cooperation in Science and Technology (COST)
- Possibility for entities from widening countries to join already selected RIA projects (hop-on facility)
- Excellence hubs

Reforming and enhancing the EU R&I system

€0.44 billion

- I.e., Attractive researcher careers and links with higher education
- Open science, citizen science and science communication
- Gender equality
- Ethics and integrity



EU Missions



Adaptation to
climate change,
including societal
transformation



Cancer



Healthy oceans,
seas, coastal &
inland waters



Climate-neutral
& smart cities



Soil health &
food

Bold, inspirational and measurable goal within a set timeframe

Impact for society and policy making, significance for European population

Work Programme 2023-2024



Coming
Soon

▶ **Thanks!**

Research and Innovation Foundation

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