



April 2021



*"With a budget of EUR 95.5 billion, and a set of modern instruments, Horizon Europe will be an extremely powerful and world-leading research and innovation programme. It has been co-designed with European citizens to meet their expectations and needs. The programme's investment will return knowledge and solutions to improve our lives as well as create thousands of new jobs in research and innovation."*

**Mariya Gabriel** Commissioner for Innovation, Research, Culture, Education and Youth

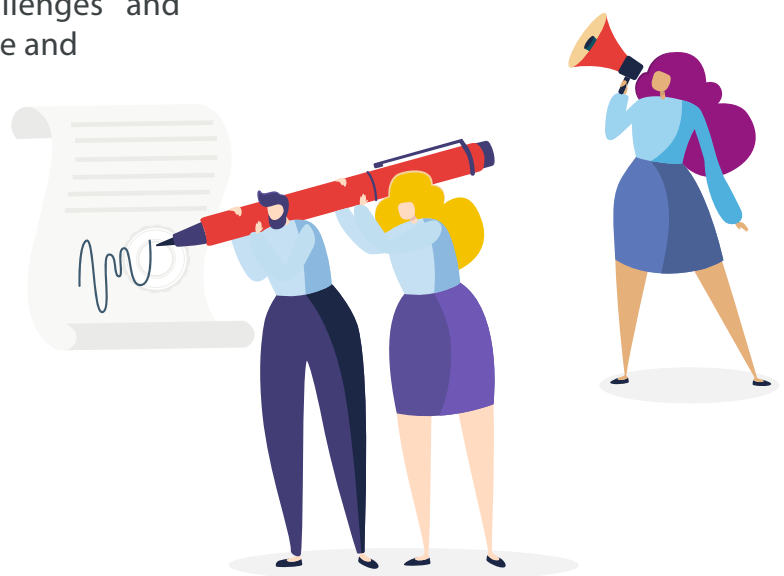
## BUDGET

### HORIZON EUROPE - THE MOST AMBITIOUS EU RESEARCH & INNOVATION PROGRAMME EVER

#### An ambitious budget to find solutions to our main challenges

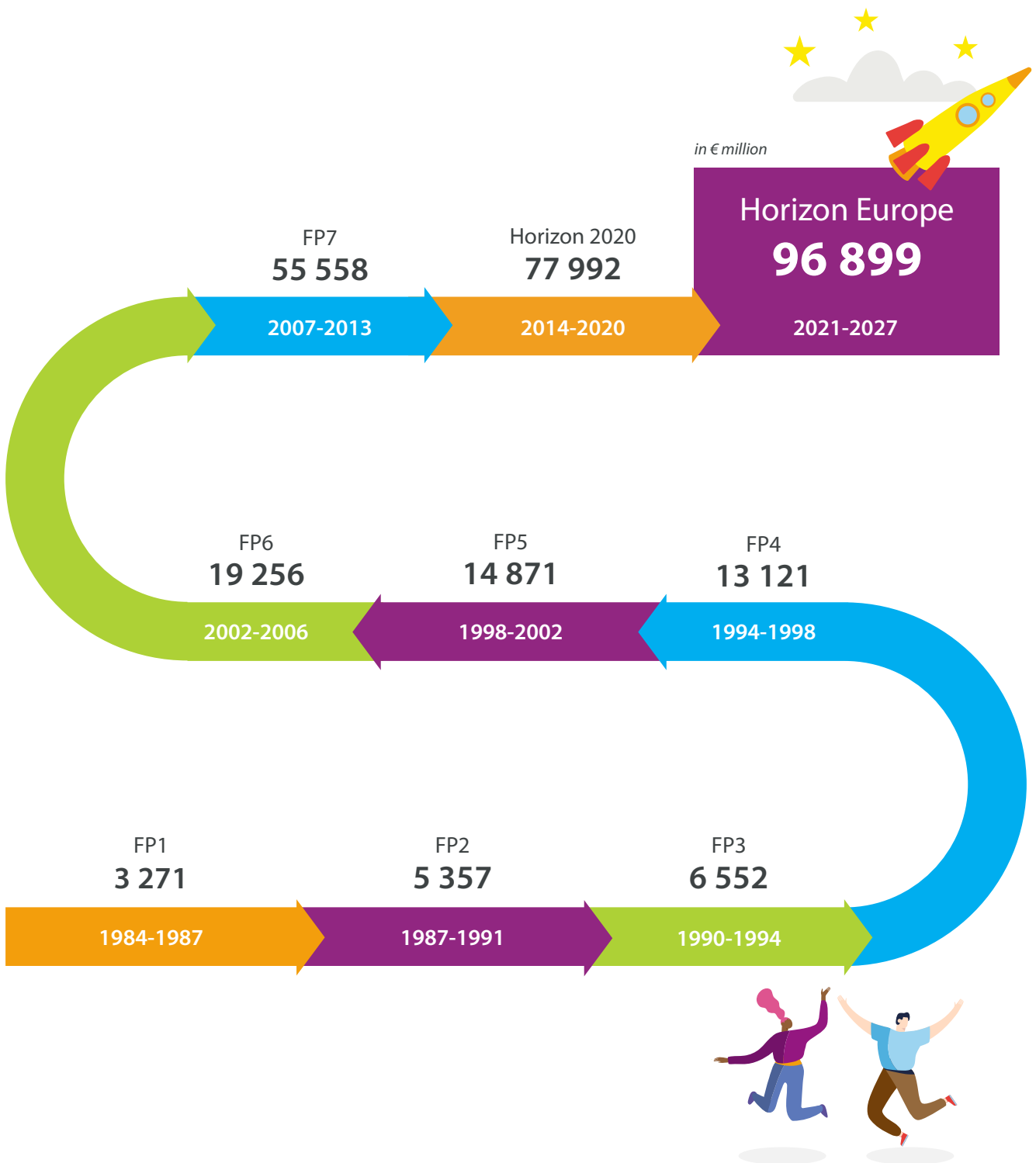
Horizon Europe has a budget of EUR 95.5 billion for the period from 2021-2027. This includes EUR 5.4 billion from the Next Generation EU instrument, particularly to support the green and digital recovery from the COVID crisis. The budget is divided amongst four pillars and 15 components to create a programme that will support all the [areas of Research and Innovation](#): excellent science, global challenges and industrial competitiveness, innovative Europe and widening participation and strengthening the European Research Area.

Horizon Europe is complemented by the Euratom 2021-2025 research and training programme. The Euratom Programme will pursue nuclear research and training activities with an emphasis on the continuous improvement of nuclear safety, security and radiation protection, as well as to complement the achievement of Horizon Europe's objectives. This programme has a budget of EUR 1.4 billion over the period 2021-2025, bringing the total budget available for both programmes to EUR 96.9 billion.



## EVOLUTION OF THE R&I FRAMEWORK PROGRAMMES BUDGET

The EU budget has been significantly rising over time from EUR 3 271 million in FP1 to EUR 96 899 million today for Horizon Europe and Euratom. This illustrates the clear ambition of the EU for its main R&I funding instrument and increases relevance of science and technology in society to address our challenges.







This budget compares favourably with the previous programme, Horizon 2020. In real terms, and excluding the participation of UK beneficiaries in Horizon 2020, there is a 30% increase. This demonstrates the broad consensus on the key role of Research and Innovation in accelerating Europe's green and digital transformation, strengthening Europe's resilience and preparedness to face future crises and supporting Europe's competitive edge in the global race for knowledge. The development of the budgets of the Research Framework Programmes is shown in table above.

## HORIZON EUROPE BUDGET

### Horizon Europe programme structure

**Total**  
in € million

	<b>EXCELLENT SCIENCE</b> <i>of which</i>	<b>25 011</b>
	The European Research Council (ERC)	16 004
	Marie Skłodowska-Curie Actions (MSCA)	6 602
	Research infrastructures	2 406
	<b>GLOBAL CHALLENGES AND EUROPEAN INDUSTRIAL COMPETITIVENESS</b> <i>of which</i>	<b>53 516</b>
	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
	<b>INNOVATIVE EUROPE</b> <i>of which</i>	<b>13 597</b>
	European Innovation Council (EIC)	10 105
	European innovation ecosystems	527
	European Institute of Innovation and Technology (EIT)	2 965
	<b>WIDENING PARTICIPATION &amp; STRENGTHENING THE EUROPEAN RESEARCH AREA</b> <i>of which</i>	<b>3 393</b>
	Widening participation and spreading excellence	2 955
	Reforming and enhancing the European R&I System	438
<b>TOTAL HORIZON EUROPE</b>		<b>95 517</b>

## EURATOM 2021-2025 BUDGET

### Euratom programme structure

**Total**  
in € million

<b>INDIRECT ACTIONS</b>	<b>850</b>
Fusion research and development	583
Nuclear fission, safety and radiation protection	266
<b>DIRECT ACTIONS</b>	<b>532</b>
Direct actions undertaken by the Joint Research Centre	532

**TOTAL 2021-2025 EURATOM**

**1 382**

## How will the budget be invested?

The budget will be used to support research and innovation across the European Union and Associated Countries, being paid directly to researchers, innovators and research institutions in the Member States and Associated Countries. Funding will mostly be through grants. The selection of projects to fund will mainly be through open calls for proposals, selected according to excellence, impact and the quality and efficiency of implementation. There is no fixed distribution by country or region. The programme will be administered by the European Commission, its Executive Agencies, and a range of legal entities established as Union Bodies.

Whilst grants under pillars 1 and 3 will mostly be to one beneficiary (monobeneficiary schemes), grants under pillar 2 will be mostly to a transnational consortium of beneficiaries, thus ensuring that researchers and research organisations from different countries collaborate with each other.

The Horizon Europe Regulation establishes a range of targets with respect to the use of the budget:

- 35% of the budget will contribute to climate objectives;
- there will be a substantial increase of spending in main digital research and innovation activities compared to Horizon 2020.
- 70% of the budget of the European Innovation Council will be allocated to small and medium size enterprises.
- At least 3.3% of the budget will be committed to the programme part widening participation and spreading excellence.
- Investments in Space should also be commensurate with those under Horizon 2020.
- the participation of industry in the actions should be supported at levels at least commensurate with those under Horizon 2020.
- The budget should contribute to the overall ambition of providing 7.5 % of annual spending under the MFF to biodiversity objectives in 2024 and 10 % of annual spending under the MFF to biodiversity objectives in 2026 and 2027.

The programme will also support investments in European Partnerships (up to 50% of the budget of Pillar 2), which are collaborations with Member States or industry to support particular research agendas, and missions (up to 10% of the Pillar 2 budget for the first 3 years).

The programme is intended to be open to the world, and the participation of legal entities established in third countries and of international organisations is promoted, based on mutual benefits and the Union's interests. This goes along with the formal association of a number of countries to the programme. These associated countries will make contributions to the programme, generally in line with their level of participation in it. These contributions increase the budget of the programme, allowing for greater investment in research and innovation.

In Horizon 2020 Norway and Iceland participated in the program as EEA/EFTA members, while Albania, Armenia, Bosnia-Herzegovina, Faroe Islands, Georgia, Israel, North Macedonia, Moldova, Montenegro, Serbia, Switzerland, Tunisia, Turkey and Ukraine are associated. It is hoped that all these countries will be associated to Horizon Europe, alongside the United Kingdom, and possibly others that meet the criteria set out in Article 16 of the Regulation.



## MORE INFORMATION

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

#HorizonEU

Luxembourg: Publications Office of the European Union, 2021

© European Union, 2021

Reuse is authorised provided the source is acknowledged and the original meaning or message of the document are not distorted. The European Commission shall not be liable for any consequence stemming from the reuse. The reuse policy of the European Commission documents is implemented by Commission Decision 2011/833/EU of 12 December 2011 on the reuse of Commission documents (OJ L 330, 14.12.2011, p. 39).

All images © European Union, unless otherwise stated. Image sources: © ivector # 235536634 # 249868181 # 251163013 # 266009682, # 273480523 # 362422833 # 241215668 # 244690530 # 245719946 # 251163053 # 252508849, 2020. Source: Stock.Adobe.com. Icons © Flaticon – all rights reserved.

Print ISBN 978-92-76-37068-0 doi:10.2777/714209 KI-05-21-042-EN-C

PDF ISBN 978-92-76-31601-5 doi:10.2777/202859 KI-05-21-042-EN-N



Publications Office  
of the European Union