DIGITAL
EUROPE
PROGRAMME

DG CNECT
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#DigitalEuropeProgramme

Digital Europe Programme

recap the main objectives

strategic autonomy

Compete globally

Other regions of the world invest huge amount of public capital in advanced technologies. For example, the US and China spend € 10-20 billion annually on AI alone

Achieve scale through collective co-investments

Given the size of investments needed, scale required and risks involved Europe needs to pool the resources together

Regain control over Europe's value chains

and ensure Europe's technological sovereignty

Better address Europe's economic and societal challenges

E.g. climate, health, mobility and public services

Ensure broad take-up of digital technologies across all regions of EU

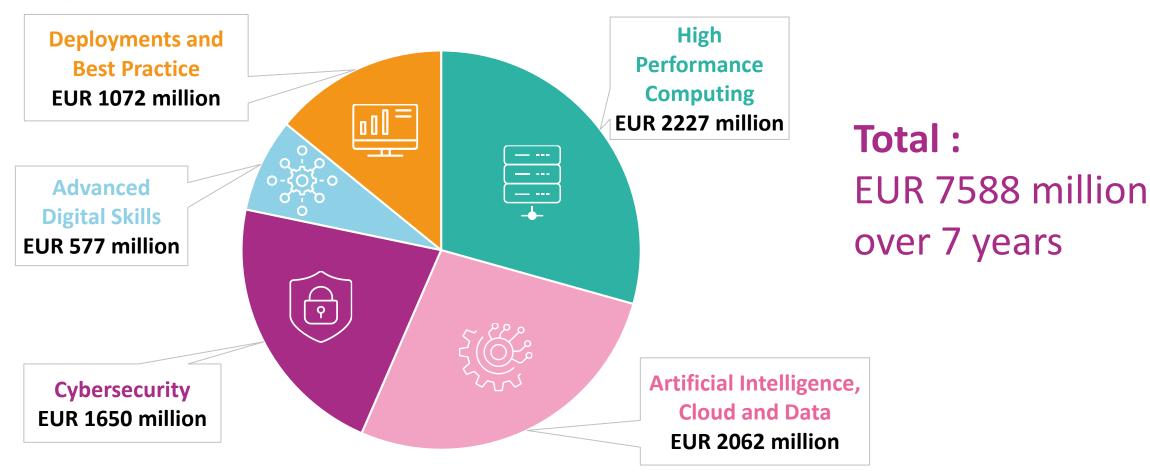In deploying latest technologies to offer best services to citizens and business

Support SMEs to acquire or access the latest technologies and skills

More than 400,000 EU vacancies in these fields

Budget as in Regulation

Deployments and Best Practice
EUR 1072 million

High Performance Computing
EUR 2227 million

Advanced Digital Skills
EUR 577 million

Total :
EUR 7588 million over 7 years

Cybersecurity
EUR 1650 million

Artificial Intelligence, Cloud and Data
EUR 2062 million

DIGITAL EUROPE PROGRAMME

Digital Europe is complementary to other programmes with investments in digital

EU-wide collective effort					National regional and local			Financial instrument
Horizon Europe	Digital Europe	CEF	Creative Europe	Health	Cohesion	Agriculture Funds	RRF	InvestEU
Research Innovation	Strategic capacities: computing, data, testbeds, etc. Advanced digital skills EU-Wide deployment	Broadband and 5G roll out Connecting Communities	Creative industry Media	Telemedicine eHDSI	Digital connectivity in white and grey areas Support to enterprises in line with Smart specialisation Digital skills for all citizens	Making use of Big Data for CAP monitoring Broadband rollout in rural areas	Connect Scale-up Modernise Reskill and Upskill 20% digital	Leverage private capital for investments in SMEs, research, digital, infrastructure, skills…

Some specific features

- Funding schemes : Similar but not exactly the same to Horizon Europe, e.g.
  - Grants with cost reimbursement 50% for everybody or with 75% for SMEs
  - CSA at 100%
  - Wider use of procurement

- Focus is on <u>delivery actual results</u>. It will make use of the most recent research results, but <u>it will not support research</u>. For example, the programmes will support:
  - The acquisition of HPC machines
  - The set-up of sectorial data spaces, eg manufacturing
  - The building or reinforcing of Testing and Experimentation Facilities
  - The set up and delivery of Master courses in key advanced digital technologies
  - The set-up, interoperability, operations and maintenance of a number of services in the eGov area

- The Call text specify the detailed information needed to submit a proposal

- The programme has specific restrictions to participation of entities not in the EU or in the EEA. These restrictions are specified in the wp and in its annexes.

- Four work programmes :

  - *High Performance Computing → managed by the EuroHPC JU and not part of the package to be adopted by the Commission*

  - Cybersecurity → managed by the ECCC and, ad interim, by DG CNECT

  - European Digital Innovation Hubs → managed by DG CNECT

  - "Main" work programme → managed by DG CNECT, EA HaDEA and making use of Indirect management for some actions

Timeline

- DEP Regulation adopted in March-April 2021 with a budget of EUR 7.6 billion over 7 years

- First Work programme (2021-2022) adopted by Commission on 10 November 2021

- First call opened on 17 November 2021 and closed on 22 February (except for the QCI calls that were open until 29 March)

- Second call opened on 22 February 2022.

- Third call will open in Q3 2022

- Second Work Programme (2023-2024) currently in preparation

Call for proposals 22 February – 17 May 2022.... TBC

Second call in the "Main" work programme:

SO	Area	Budget in million EUR
2	Topics covering data spaces	50
2	Sectorial TEFs	110
4	Topics on advanced Digital skills	28
5	European Blockchain Services Infrastructure (EBSI)	16
5	AI based pilots for the law enforcement	5
5	Topics covering European Digital Government Eco System (EDGES)	40
	Total	249

First call in the Cybersecurity work programme:

SO	Area	Budget in million EUR
3	European "cyber-shield"	10
3	Support to implementation of relevant EU legislation	33
	Total	43

Total: €292 million for this call for proposals (grants) covering 17 actions and 4 Specific Objectives

Third call in the "Main" work programme:

SO	Area	Budget in million EUR
2	Topics covering cloud-to-edge infrastructure	40
2	Topics covering data spaces	50
2	Topics covering AI	28
	Total	**118**

Second call in the Cybersecurity work programme:

SO	Area	Budget in million EUR
3	**Topics covering European "cyber-shield"**	**137**
3	**Topics covering Support to implementation of relevant EU legislation**	**47**
	Total	**184**

Total: €302 million for this call for proposals (grants) covering 13 actions and two Specific Objectives

Who can participate?

In order to be **eligible**, participants must be:

legal entities (public or private bodies and international organisations of European interest)

and

established in a **EU member state** (including overseas territories) or an **eligible non-EU country.**

In addition, there may be restrictions regarding **security** and **strategic autonomy**.

DIGITAL Europe Programme in summary

High-performance computing

- Independent annual work programme
- Adopted by the EuroHPC JU Governing Board
- Indicatively EUR 556 million for 2021-2022

Cybersecurity

- Independent work programme
- It will be managed by ECCC, but for the moment is with DG CNECT
- EUR 269 million for 2021-2022

Exception:

- Quantum communication infrastructure – QCI which is covered in the "main" work programme
- EUR 170 million for 2021-2022

European digital innovation hubs

- Independent work programme covering three years
- Managed by DG CNECT
- EUR 329.3 million for 2021-2023

Artificial intelligence, Data and Cloud

- In the "main" work programme, covering two years
- Adopted and managed by the Commission
- EUR 548 million for 2021-2022
    - EUR 204 million for topics related to cloud-to-edge infrastructure and services
    - EUR 206 million for sectorial data spaces and related activities
    - EUR 139 million for TEFs and AI-on-demand platform

Advanced digital skills

- In the "main" work programme, covering two years
- Managed by HaDEA
- EUR 166 million for 2021-2022

Deployments

- In the "main" work programme, covering two years
- Adopted by the Commission
- Mainly managed by HaDEA
- EUR 419.65 million for 2021-2022

EU's Digital Decade – Goals for 2030

Skills
ICT Specialists: 20 millions + Gender convergence
Basic Digital Skills: min 80% of population

Infrastructures
Connectivity: Gigabit for everyone, 5G everywhere
Cutting edge Semiconductors: double
EU share in global production
Data – Edge & Cloud: 10,000 climate
neutral highly secure edge nodes
Computing: first computer with quantum acceleration

Public Services
Key Public Services: 100% online
e-Health: 100% availability medical records
Digital Identity: 80% citizens using digital ID

Business
Tech up-take: 75% of EU companies using Cloud/AI/Big Data
Innovators: grow scale ups & finance to double EU Unicorns
Late adopters: more than 90% of European SMEs reach
at least a basic level of digital intensity

In DIGITAL Programmme:

Digital solutions in support of the New European Bauhaus
Data Space for smart communities
Advancing the digital transformation of smart communities
The Testing and Experimentation Facility for smart communities

…

Implementation of specialised Master's programmes
The European Digital Innovation Hubs

More information

- [Digital Programme | Shaping Europe's digital future (europa.eu)](https://digital-strategy.ec.europa.eu)

- Participants portal - Funding & tender opportunities

    - https://ec.europa.eu/info/funding-tenders/opportunities/portal

Thank you – Questions?

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