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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



Better address Europe's economic and societal challenges

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



Achieve scale through collective co-investments

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



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

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



Regain control over Europe's value chains

and ensure Europe's technological sovereignty



Support SMEs to acquire or access the latest technologies and skills

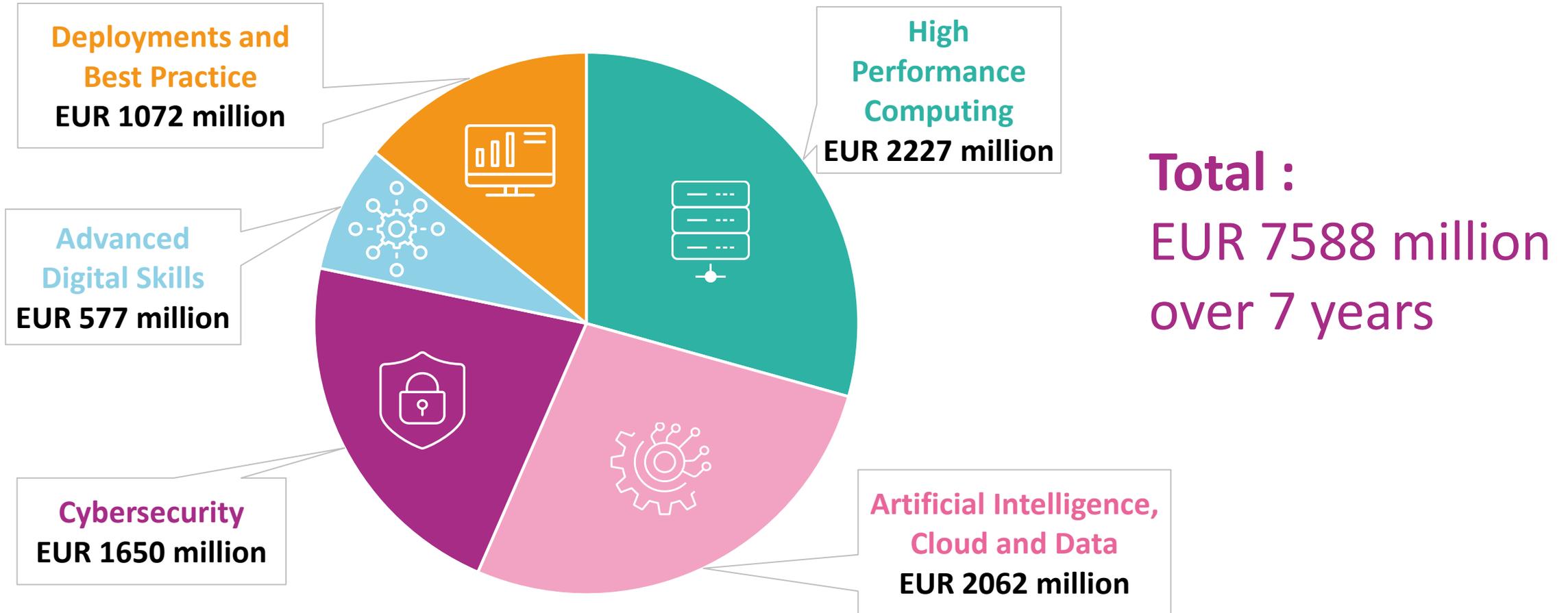
More than 400,000 EU vacancies in these fields



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...

Budget as in Regulation



Overall planning



- First Orientations July 2019 : public consultation until October 2019
- MFF Negotiation concluded in December 2020
- DEP Regulation adopted in March-April 2021 with an approx. budget of EUR 7.5 billion over 7 years

- Work programme content discussed with Member States Expert Group – in the meanwhile a formal Committee is being set-up
- Work programme expected to be ready in September 2021
- First call opens as soon as the work programme is adopted – Q3 2021
- Second call indicatively will open in Q2 2022
- Third call indicatively will open in Q3 2022



Digital Europe "deliverables"

- Focus is on delivery actual results. It will make use of the most recent research results, but it will not support research.
- 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



Some implementation features

For each topic to be funded :

- The work programme defines the objectives, the scope, the expected outcome, the type of action (e.g. grants, procurement) and if the topic is subject to participation restrictions
 - For Grants → The Call Text, published at call opening, defines all the technical details
 - For Procurements → the Tender Specifications will define the actions details

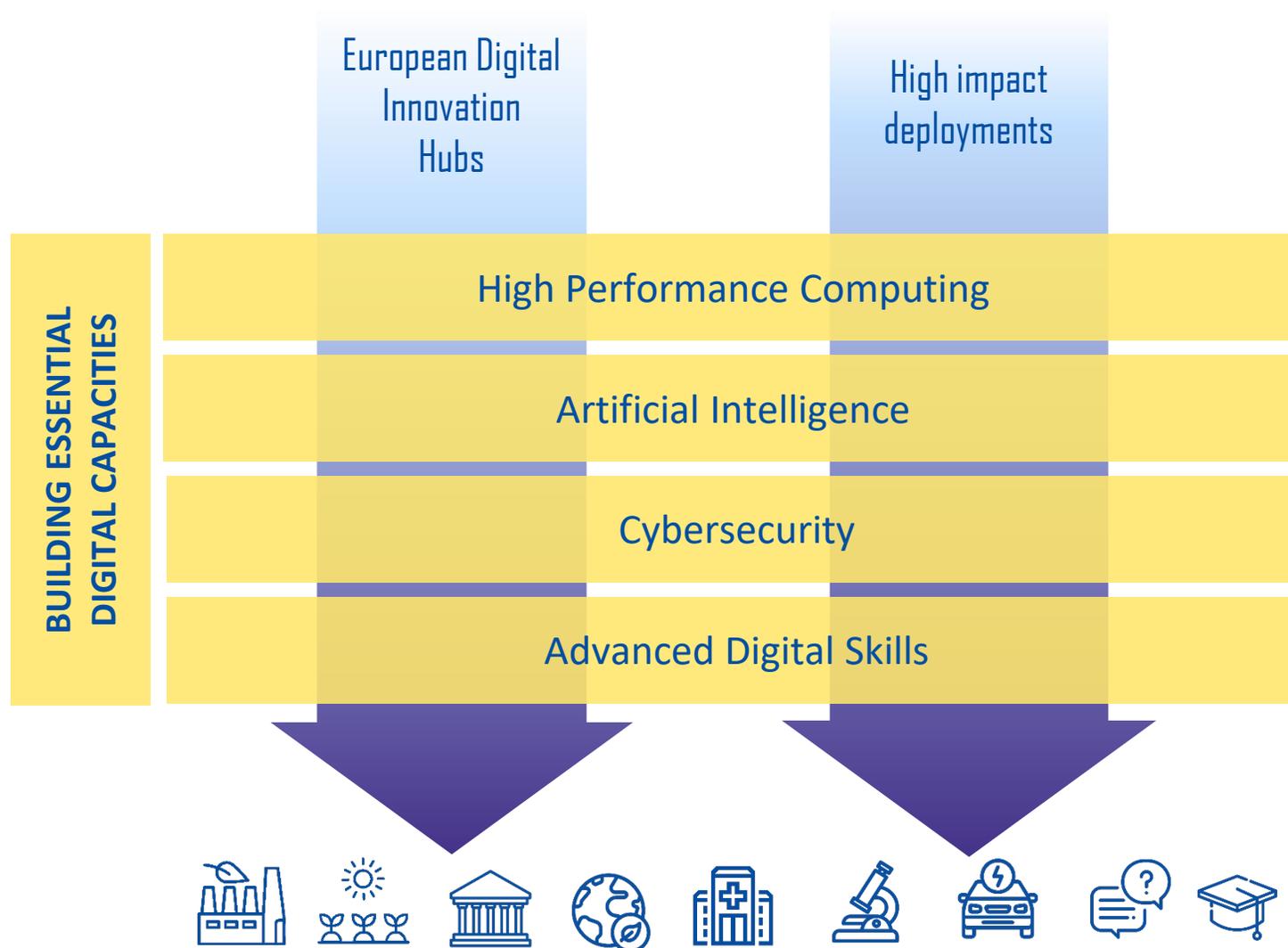
Funding schemes :

- Similar but not exactly the same to Horizon, e.g.
 - Grants with cost reimbursement 50% for everybody or with 75% for SMEs
 - CSA at 100%



Digital Europe programme structure

ACCELERATING THE BEST USE OF DIGITAL TECHNOLOGIES



High Performance Computing



- This action will be managed by the EuroHPC JU
 - Information below is only preliminary and will be finalised by the EuroHPC Governing Board

Procure exascale machines

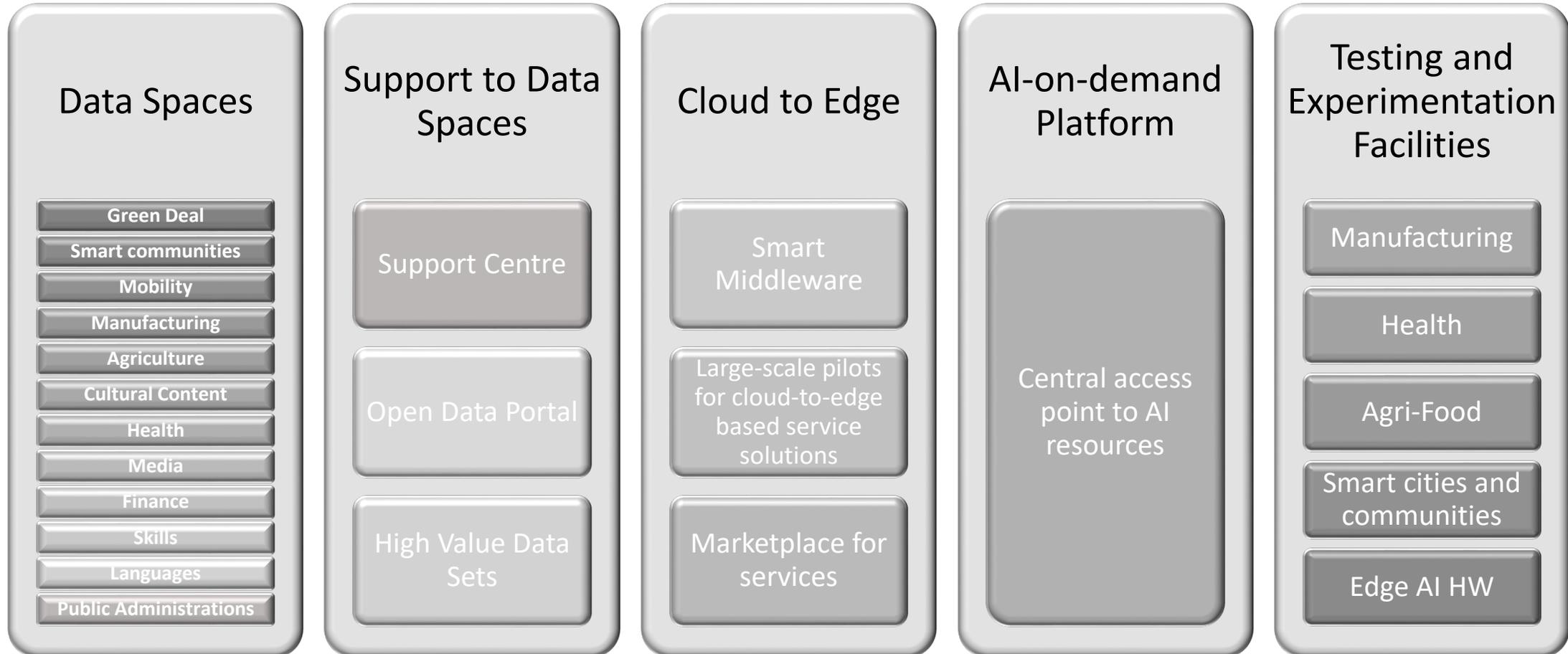
Upgrade existing supercomputers

Quantum Computing

Widen the access to and use of supercomputing



Artificial intelligence, data and cloud



Most of the actions will be managed directly by CNECT

Cybersecurity and trust



Most actions will be managed by the ECCC, once established, with the notable exception of QCI

Quantum Communication Infrastructure

Support to Implementation of relevant EU Legislation

Deployment of cybersecurity infrastructures

Support to market players and skills



Advanced digital skills

Actions will mostly be managed by HaDEA

Design and implementation of specialized education programmes and modules in key capacity areas (master classes)

Traineeships in key capacity areas

Short term trainings in advanced technologies (contribution to SME strategy)

Digital skills platform

Digital transformation of Education



Accelerating the best use of digital technologies

Actions will be managed through HaDEA, with the exception of the EDIH, which will be managed by CNECT

EDIH

European Digital Innovation Hubs:
one per region

Green Deal

Destination Earth

Urban digital twins for smart communities

Digital Product Passport

Blockchain

European Blockchain Service Infrastructure

European Digital Government Eco System

Core services from CEF and ISA2

Interop. Knowledge & Support Centre

Once only Principle

Digital Identity

GovTech

Justice and Consumer Protection

Law enforcement

Enhancing Confidence in Digital Transformation

Safer Internet

European Digital Media Observatory

Deployment, best use of digital capacity and interoperability



The European Digital Innovation Hubs

- The plan is to have at least one EDIH per region during the programme
- Task of the hubs : focus on digital transformation of SMEs and public sector (Adopt AI)
- EDIH will collaborate with all existing networks funded by other programmes and avoid overlap, also thanks to
- Member States involvement in designating the entities (consortia) which can participate to the call for proposal (existing centres might be designated to take over this additional role)



Examples of possible synergies

EuroHPC JU and the ECCC

The EDIH

The use of the deployed services and infrastructures

- Testing and Experimentation Facilities
- Data Spaces
- Cloud-to-edge

Contributions to *missions*

In summary



High-performance computing

- Procure exascale machines
- Upgrade existing supercomputers
- Quantum computing
- Widen the access to and use of supercomputing



Artificial intelligence

- Data4EU : common Data Spaces, clouds, platforms and infrastructure
- Large Testing and Experimentation Facilities for Agriculture, health, mobility, manufacturing and AI edge HW
- AI-on-demand platform



Advanced digital skills

- Master courses
- Short term trainings
- Job placements
- Platform for Skills and Jobs



Cybersecurity

- Deploy competence centers network
- Cybersecurity shield, quantum communication infrastructure - QCI
- Certification schemes
- Cybersecurity tools



Deployments : emphasis on

- Destination Earth
- Actions in support to Green Deal
- New Digital Identity and further investments (CEF – ISA2) & Interoperability
- Blockchain
- Enhancing confidence in the digital transformation

European digital innovation hubs

- At least one per MS or associated country





More information

- [Digital Programme | Shaping Europe's digital future \(europa.eu\)](https://ec.europa.eu/info/funding-tenders/opportunities/portal)
- Participants portal - Funding & tender opportunities
 - <https://ec.europa.eu/info/funding-tenders/opportunities/portal>



Thank you – Questions?



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