



Digital Europe

and Future Role of DIHs/S3

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DIGITAL IN MFF 2021-2027

Objective: *ensure that **Europe** drives the **digital transformation** of society and economy, bringing **benefits to all citizens and businesses***



More specifically to:

- Reinforce the EU's digital capacities
(computing, data, cybersecurity, AI,..)
- Ensure their widest possible roll out and maximise their benefits
(to all citizens and businesses including SMEs in all regions in all sectors)
- Prepare for and lead the development of next generation technologies
- Build a world-leading connectivity infrastructure

DIGITAL IN THE NEXT MFF: OVERVIEW

Digital Europe: Capacities & roll out

1. High Performance Computing
2. Artificial Intelligence (AI)
3. Cybersecurity
4. Advanced digital skills
5. Digital transformation and interoperability

€9.2 billion

Digital in Horizon Europe R&D&I

1. Digital under "global challenges"
 - Digital and industry cluster
 - Digital in other clusters - health, mobility, energy, environment,..
2. FET Open under EIC
3. Research Infra in Open Science

> Current budget (~14 B€)

Connecting Europe Facility - Digital Connectivity

- 5G roll out
- BB 4EU, Connecting communities
- Synergies with Transport /Energy

€3 billion

Creative Europe MEDIA

- Distribution of works
- Creation

€1.1 billion

Funding the digital transformation



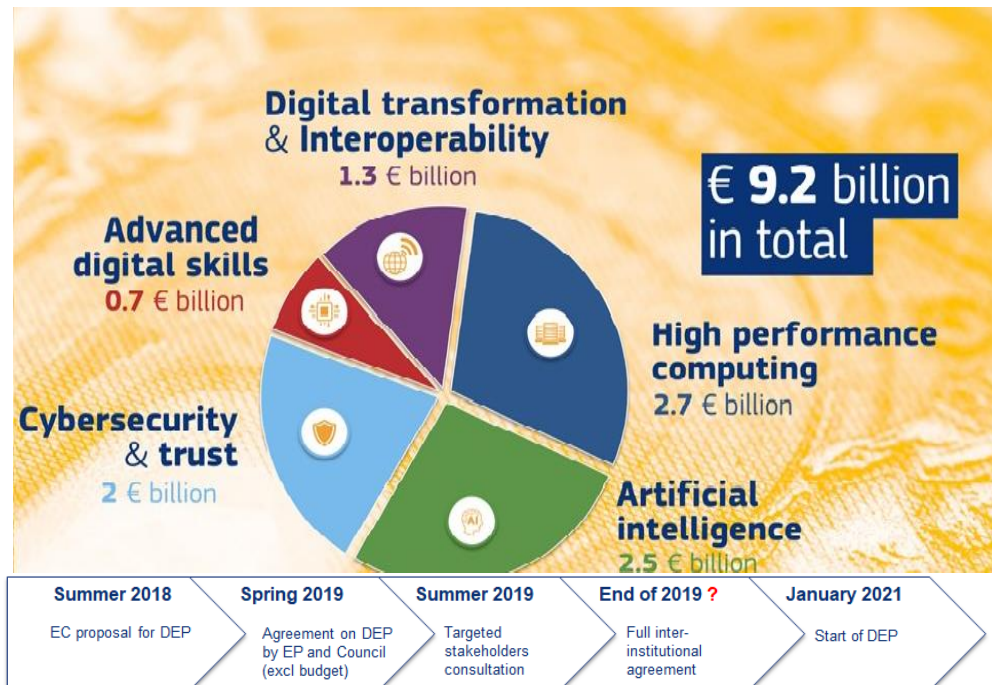
National regional and local EU wide Collective effort Financial Instrument	Cohesion	Cohesion	Cohesion	Cohesion	Cohesion Agri. funds
	Horizon Europe	Digital Europe	Connecting Europe Facility 2,0	Digital Europe , Horizon Europe	Digital Europe
	InvestEU	InvestEU	InvestEU	InvestEU	InvestEU

Digital Europe Programme

** Funding programme focused on building the strategic digital capacities of the EU and on facilitating the wide deployment of digital technologies, to be used by Europe's citizens and businesses*

What?

Why?



- Compete globally
- Achieve scale through collective co-investments
- Regain control over Europe's value chains and ensure Europe's strategic autonomy
- Better address Europe's economic and societal challenges
- Ensure broad take-up of digital technologies across all regions of EU
- Address difficulties SMEs face to acquire/access latest technologies and skills

Where do we stand today?

Areas of public interest

Inadequate uptake of digital solutions

- Europe slow in adopting and diffusing digital innovations
- Adoption uneven between Member States
- Solving the issue only at national level likely lead to fragmented approach due to different starting points
- Public sector does not play its role of "first mover" in deploying latest technologies to offer best services to citizens and business

Adoption of Digital Technologies by Businesses
Spread between Member States



EUROPE IS ONLINE

81% of EU citizens use the Internet regularly

GROWTH

Investment in ICT & competitiveness

30% of all economic growth in the EU for 2001-2011 can be attributed to ICT investment

JOBS

+ 2.7 million new ICT specialist posts in the EU (since 2005)

More than 50% of companies in the EU trying to recruit ICT specialists

NEW BUSINESS MODELS

New business models, e.g. online platforms (e.g. amazon)

Enable new useful interactions; **70% of "unicorns"** are online platforms

CROSS-BORDER TRADE

E-commerce potential

E-commerce has been growing **by 20% a year for a decade;** 8% of the world's retail spending

Building essential digital capacities

High Performance Computing

- Acquire exascale and new petascale machines while upgrading existing supercomputers
- Develop European access to supercomputers and federate European HPC and data resources
- Widen the use of HPC and applying it across sectors

Artificial Intelligence

- Establish EU-wide common data spaces
- Develop Large-scale Testing and Experimentation Facilities
- Scale up the European AI platform

Cybersecurity

- Key capacity building: the cybersecurity shield
- Accelerate cybersecurity certification
- Widen the deployment of cybersecurity tools
- Support the NIS Directive implementation

Building essential digital capacities (cont.)

Advanced Digital Skills

- Develop Master's programmes or modules in key capacity areas
- Develop short term training courses in key capacity areas
- Support job placements in key capacity areas
- Maintaining and populating the platform for Skills and Jobs

Accelerating the best use of technologies

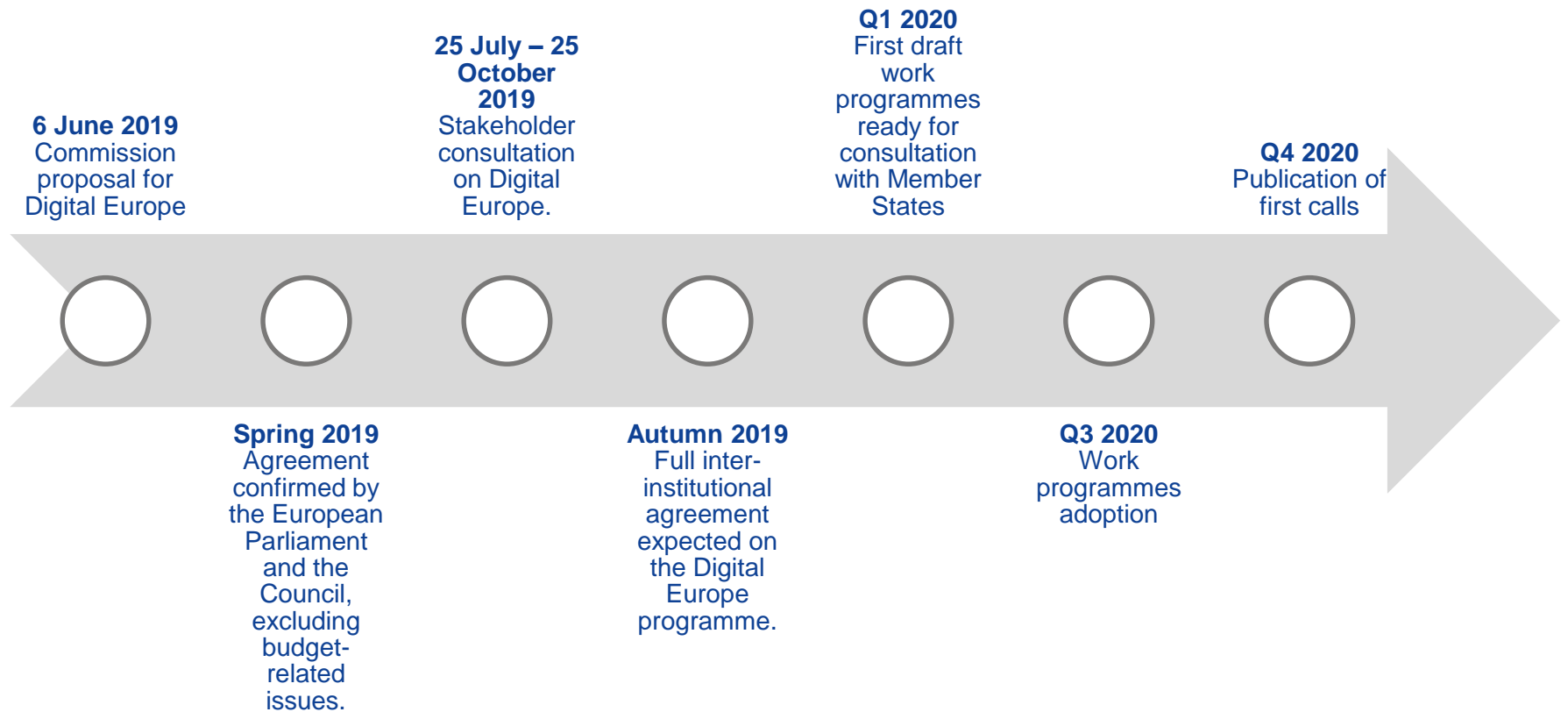
Aiming for high-impact deployment

- Climate & environment
- Modern public services
- Technologies supporting deployment of digital services

Widening the best use of digital technologies

- Building trust for the digital transformation.
- Language Technologies
- Digital Transformation of Learning and Education.

Indicative timeline



Thank you !

#DigitalEurope

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