Digital Decade – Europe's digital transformation until 2030

- 4 Cardinal points:

Skills

Citizens' Digital rights

Targets and milestones

Digitalisation of Public services

Infrastructures

Multi-country projects (MCPs)

Joint governance structure

Digital transformation of business

European Commission
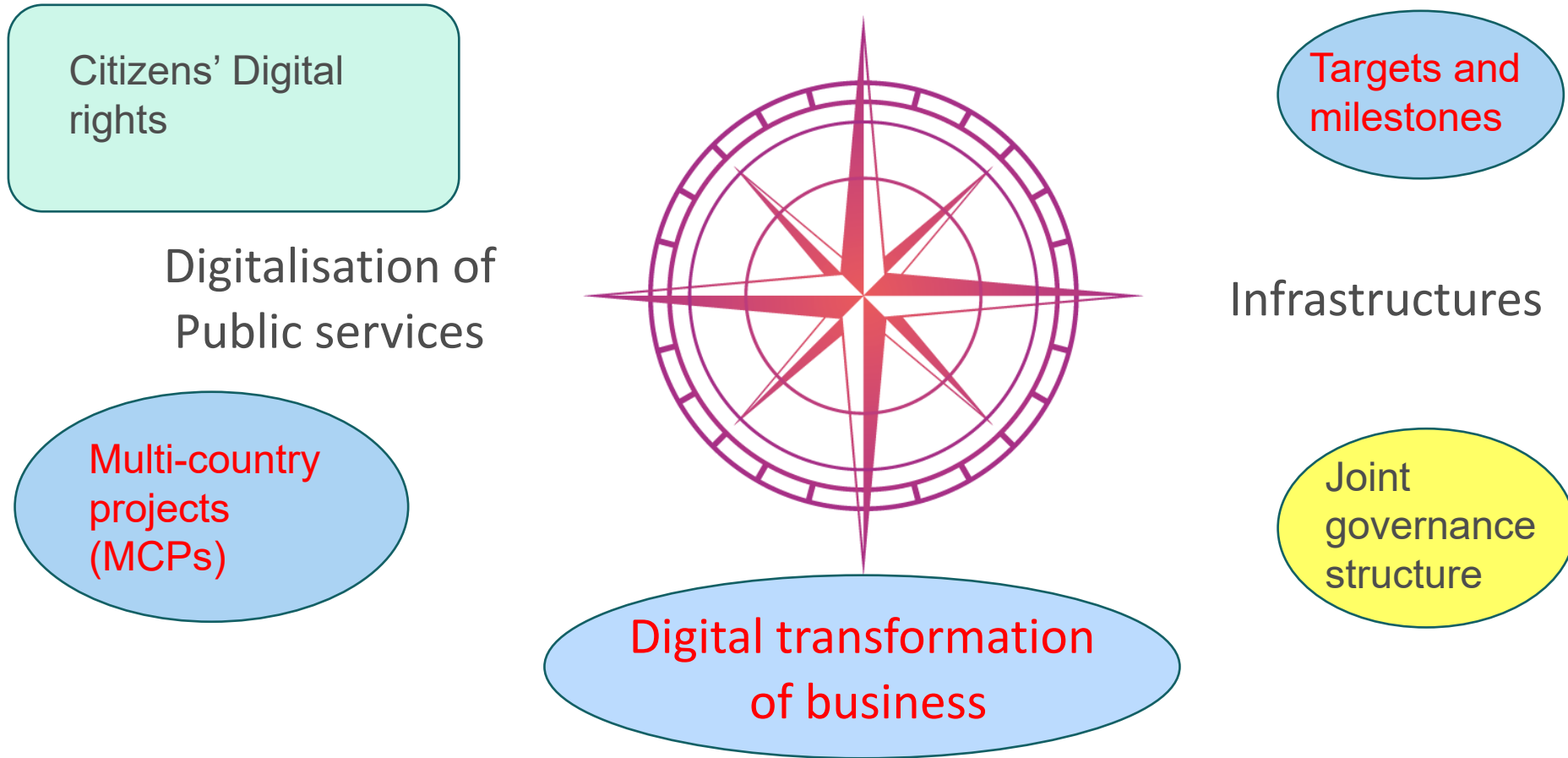
Digital Decade 2030 Targets

		EU Baseline	2030 Target
Skills	ICT specialists (nbr employed)	7.844.100	20.000.000
	Gender distribution	18% of women	convergence
	Basic digital skills	56%	80%
Infrastructures	Gigabit coverage	59%	100%
	5G in all populated areas	14%	100%
	Semiconductors (EU share of global production)	10%	20%
	Edge/Cloud (nbr of nodes)	0	10.000
	Quantum Computer	0	1
Business	Cloud Uptake	26%	75%
	Big Data Uptake	14%	75%
	AI Uptake	25%	75%
	SMEs with at least basic level of digital intensity	61%	90%
	EU Unicorns (nbr)	122	250
Government	Key Public Services Online (service completion score)	75	100
	Medical records availability	N.A.	100%
	Digital Identity Adoption	N.A.	80%

European Commission

Digital Europe program

- DIGITAL EUROPE program is the first EU program specifically dedicated to supporting the roll out of digital technologies across the economy.

- Grants **EUR 7.5 billion** for projects in 5 key capacity areas:

    - Super computers (HPC)

    - Artificial Intelligence (AI)

    - Cybersecurity

    - Advanced digital skills

    - European Digital Innovation Hubs.

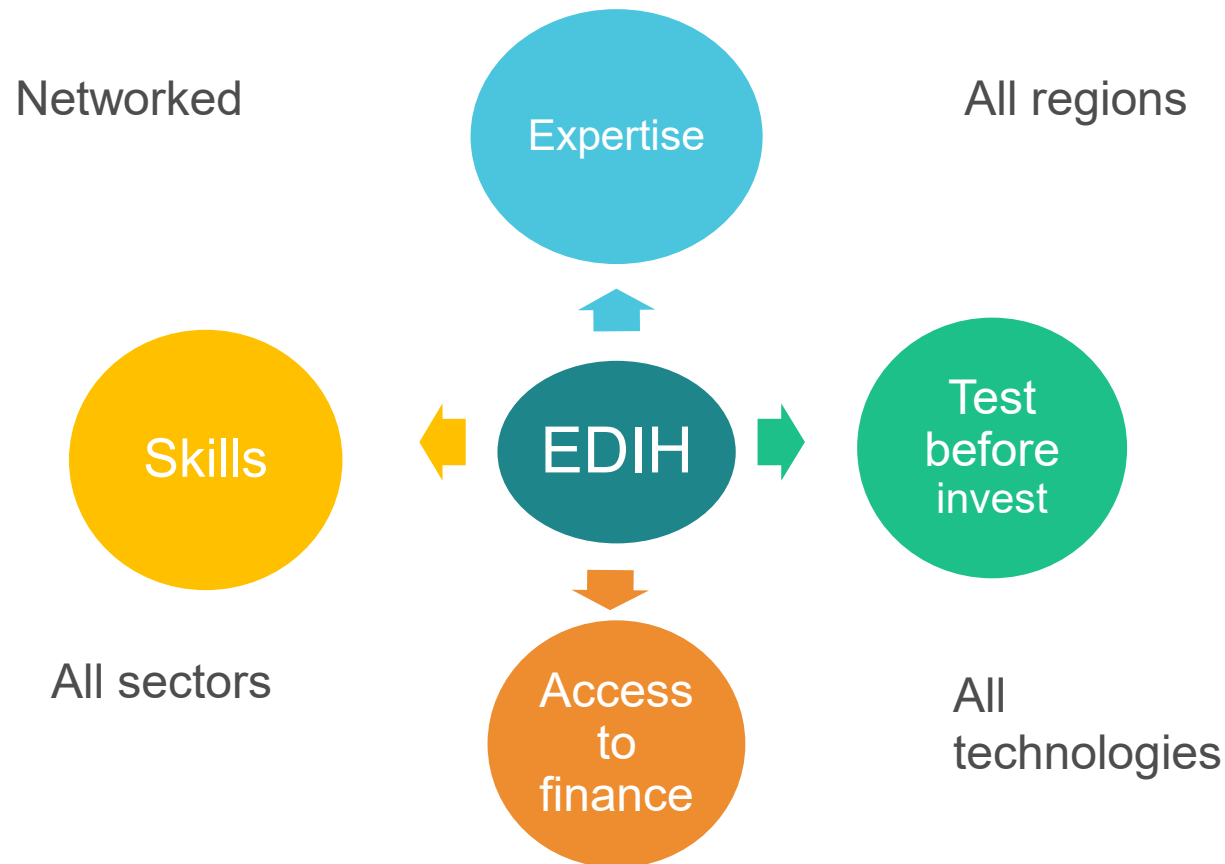European Commission

European Digital Innovation Hubs (EDIHs)

- EDIHs play a central role in the Digital Europe Program to stimulate the broad uptake of Artificial Intelligence, High Performance Computing (HPC) and Cybersecurity.

- Hubs will help companies to become more competitive with regard to their business/production processes, products or services using digital technologies, by providing access to technical expertise and experimentation, so that companies can "test before invest".

- They also provide innovation services, such as financing advice, training and skills development that are needed for a successful digital transformation. Environmental issues will be taken into account, in particular with regard to energy consumption and low carbon emissions.

European Commission

European Digital Innovation Hubs' (EDIH) network

- The European Commision, in order to promote the digitisation of businesses and public sector in the EU, provides EUR 750 m to assist the setup of an EU-wide network of European Digital Innovation Hubs (EDIHs) via the Digital Europe program.

- Apart from DIGITAL funds, Member States will also contribute to this digital transformation (50% co-funding) with the possibility of contributions from the private sector.

- Some Member States also chose to fund extra-hubs (30-50) under the Recovery and Resilience Fund (RRF). 26% of this RRF is dedicated to digital reforms and investments. 20% of the fund goes to businesses.

- Lastly, Member States can also rely on synergy funding to support their hubs e.g. ERDF (European Regional Development Fund)

Purpose and organization on EDIHs – reduce barriers to digitalisation

A one-stop-shop for digital transformation

Networked

All regions

All sectors

All technologies

Expertise

Skills

EDIH

Test before invest

Access to finance

- Digital maturity assessment

- EDIHs advice on:

- how to digitally transform the business

- technologies

- EDIHs access to technologies in order to test before investing

- Liaison to local businesses which provide digital technologies and technology services

- Training

- Support in accessing finance

European Commission

Creation of the network of EDIHs

SME/public entity

Local EDIH

DTA

Digital Transformation Accelerator

European Network
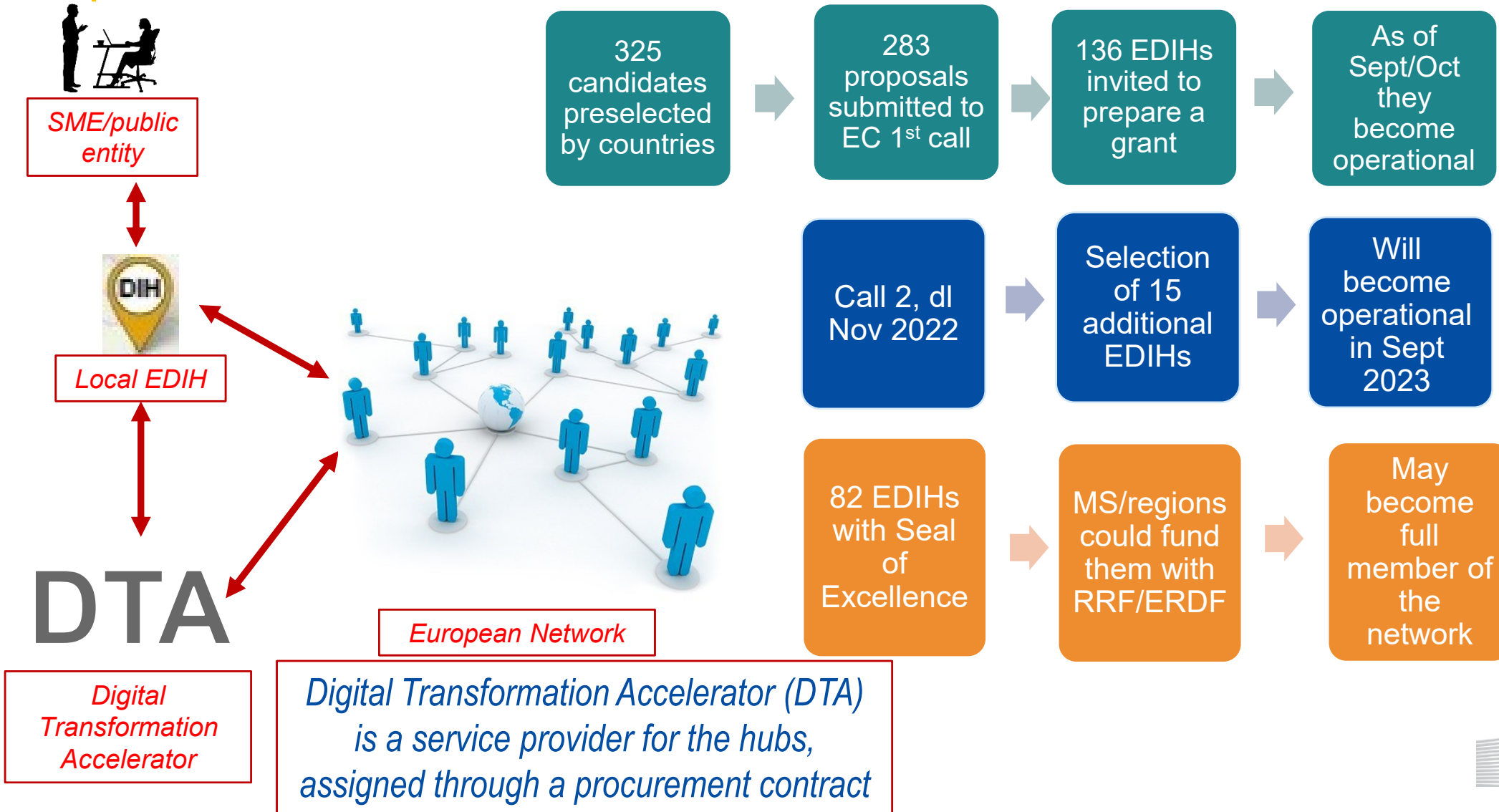
Digital Transformation Accelerator (DTA) is a service provider for the hubs, assigned through a procurement contract

325 candidates preselected by countries → 283 proposals submitted to EC 1st call → 136 EDIHs invited to prepare a grant → As of Sept/Oct they become operational

Call 2, dl Nov 2022 → Selection of 15 additional EDIHs → Will become operational in Sept 2023

82 EDIHs with Seal of Excellence → MS/regions could fund them with RRF/ERDF → May become full member of the network

European Commission

The Digital Transformation Accelerator
https://www.edihnetwork.eu/home   (DTA is active now!)

Community building and training

guidance for hubs

training services and material

matchmaking support

community building events

Train the trainer

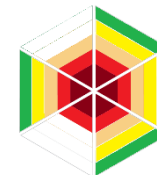on HPC, Cybersecurity, AI…

Connect to relevant initiatives

Startup Europe, EEN, Horizon Europe projects, NCP, other hubs, etc.

Impact assessment and roadmapping

help EC collect and analyse KPIs

Online presence, communication, tools and support

high-quality multi-lingual web portal, success stories, catalogue, media presence, IT tools
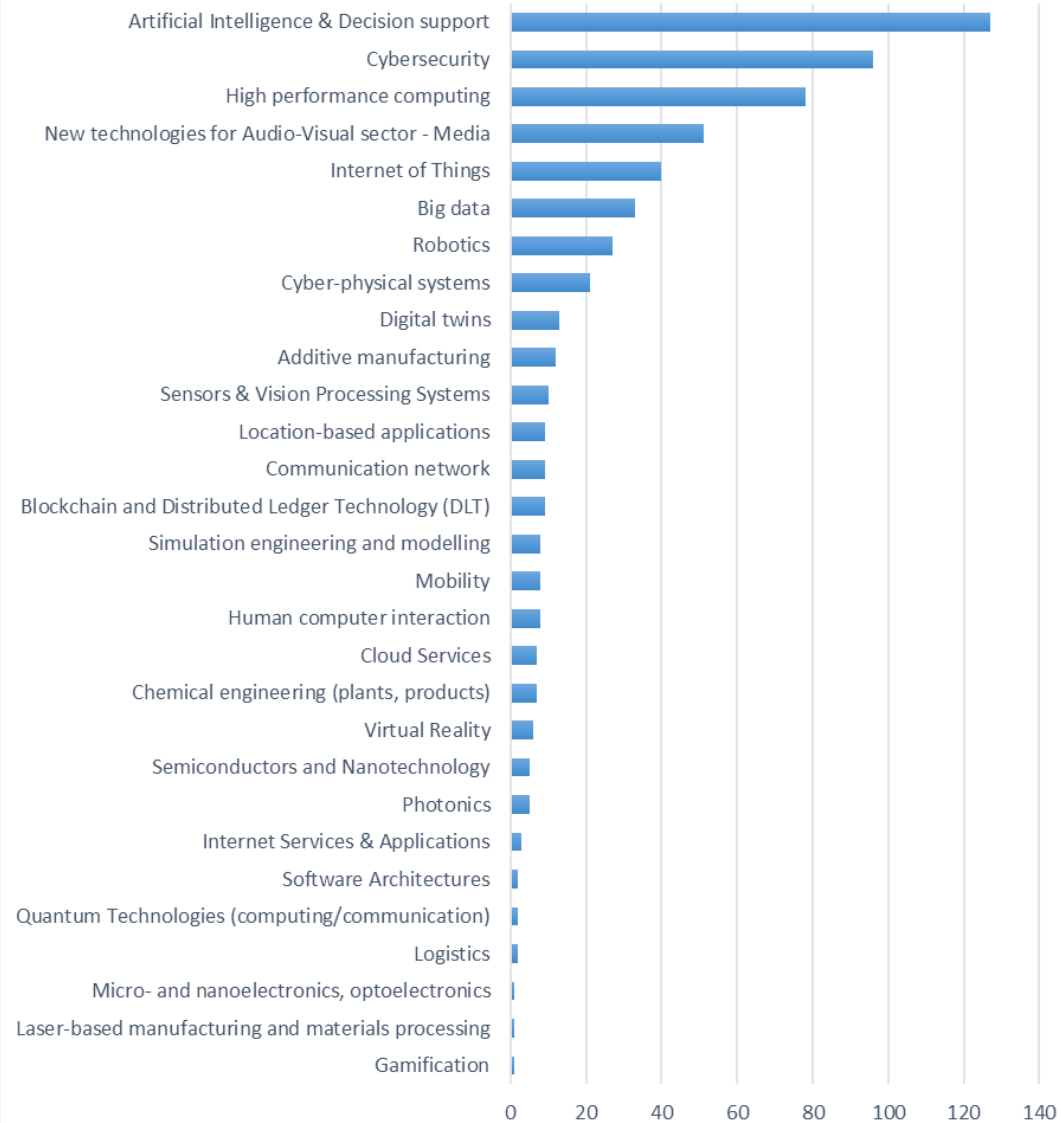
Overview of EDIHs in Europe
(funded by Digital Europe Programme)

Country	EDIHs selected in Call 1	Expected Nr of hubs to be funded in the 2nd Call
Austria	4	
Belgium	6	
Bulgaria	4	
Croatia	4	
Cyprus	1	
Czechia	5	1
Denmark	3	2
Estonia	1	
Finland	4	
France	10	5
Germany	14	2
Greece	4	
Hungary	3	2
Iceland	1	
Ireland	2	

Country	EDIHs selected in Call 1	Expected Nr of hubs to be funded in the 2nd Call
Italy	13	
Latvia	2	
Liechtenstein		1
Lithuania	3	
Luxembourg		1
Malta	1	
Netherlands	6	
Norway	2	
Poland	11	
Portugal	3	
Romania	7	1
Slovakia	4	
Slovenia	2	
Spain	12	
Sweden	4	
Total	**136**	**15**

Funded proposals – 1st EDIH Call

Technological coverage

- Artificial Intelligence & Decision support
- Cybersecurity
- High performance computing
- New technologies for Audio-Visual sector - Media
- Internet of Things
- Big data
- Robotics
- Cyber-physical systems
- Digital twins
- Additive manufacturing
- Sensors & Vision Processing Systems
- Location-based applications
- Communication network
- Blockchain and Distributed Ledger Technology (DLT)
- Simulation engineering and modelling
- Mobility
- Human computer interaction
- Cloud Services
- Chemical engineering (plants, products)
- Virtual Reality
- Semiconductors and Nanotechnology
- Photonics
- Internet Services & Applications
- Software Architectures
- Quantum Technologies (computing/communication)
- Logistics
- Micro- and nanoelectronics, optoelectronics
- Laser-based manufacturing and materials processing
- Gamification

Sectoral coverage

- Manufacturing and processing
- Health care
- Agricultural biotechnology and food biotechnology
- Public administration
- Energy
- Transport & Mobility
- Food and beverages
- Construction & Assembly
- Environment
- Travel and tourism
- Retail, wholesale or distribution
- Life sciences
- Education
- Smart City
- Maritime
- Automotive
- Aeronautics
- Financial
- Cultural and creative economy
- Textiles
- Paper and wood
- Transport sector
- Security
- Personal services
- NMP Non-Metallic Materials & basic processes
- Metal working and industrial production
- Community-Led Local Development
- Telecommunications
- Polymers and plastics
- Mining and extraction
- Consumer products

Why a second EDIH call?

In some countries, the budget from Digital Europe programme was not fully spent (not enough proposal above threshold), so the **country coverage was not complete**. **This call will allow those potential EDIHs who did not manage to succeed at the first instance to reapply a second time.**

Other countries expressed the intention to **fund further hubs using National budget**, on condition that they are evaluated above threshold (Seal of Excellence). **In this second call, a Seal of Excellence will be awarded to the proposals that will be evaluated above threshold, even if no budget is available in Digital Europe Programme for the country**.

From the (2ⁿᵈ) call document

This second call complements Call 1 and is therefore only opened for:
1) Designated potential EDIH for participating countries which have not submitted proposals in the first call namely **Liechtenstein and Luxembourg**; (2 EDIH)

2) Designated potential EDIH for participating countries in which the coverage after the first call was not complete, namely:

      a. **Czechia**: Liberec and Hradec Králové region

      b.**Denmark**: Greater Copenhagen; Southern Denmark on Smart Energy

      c. **Germany**: Bavaria, Sachsen-Anhalt, Thuringen

      d. **France**: Normandie, Centre-Val-de Loire, Paris Ile de France, Grand Est, Occitanie, La Réunion. Coverage of the outermost regions of France should be taken into account, if relevant

      e. **Hungary**: Artificial Intelligence; High Performance Computing with a maximum EU funding of 875 000€

      f. **Romania**: Sud-Vest Oltenia

3) **Designated potential EDIH aiming at getting the "seal of excellence".** These proposals will **not receive any funding of Digital Europe Programme,** but their countries have the intention to support them with national funding. With the Seal of Excellence they will have the possibility to become full members of the EDIH network. EDIHs which have already received a Seal of Excellence after the first call do not need to reapply. This possibility is open for: Bulgaria, Italy, Portugal, Poland, Spain and Sweden.

European Commission

Timeline DIGITAL-2022-EDIH-03

- Call 2 – for designated entities

  - Open: 29 September – 16 November

  - **Evaluation: 24 November to 16 December 2022**

  - Information on evaluation results: January 2023

  - Signature of the grant agreements: April 2023 to summer 2023

Sep
Oct
Nov
Dec
Jan 2023
Feb
Mar
Apr
May
Jun

Timeline is very compressed

Most of the proposals are resubmissions from the first call
All the proposals are pre-selected and supported by their Country

Timeline – the entire programme

- Call 1 EDIH (36-month contract)

- Call 2 EDIH (36-month contract)

- Call 3 EDIH (36-month contract), t.b.d.

NEW WORKPROGRAMME (<u>financial commitment not yet available</u>)

- Call 2023 EDIH (48-month contract)

Under the future workprogramme, a new call will be setup. All existing EDIH will be invited to submit a new proposal for another 4-year grant. Detailed information will be available after the financial commitment

| 2021 |
| 2022 |
| 2023 |
| 2024 |
| 2025 |
| 2026 |
| 2027 |
| 2028 |

European Commission
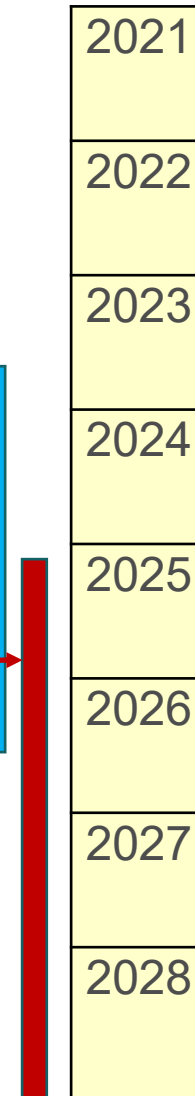
Where is the information?

Description of the call "Initial Network of European Digital Innovation Hubs" on the "Funding & tender opportunities" portal **https://europa.eu/!mF4TRm**

Main entry point

Work Programme 2021-2023 **https://europa.eu/!GcRDpB**

Call Document **https://europa.eu/!B4HYQW**

General Model Grant Agreement for the Digital Europe programme
https://europa.eu/!nxBvjj
Annotated Model Grant Agreement
https://europa.eu/!4KGHKX

Online Manual for the "Funding & tender opportunities" portal **https://europa.eu/!3fnFgG**

How to submit a proposal

Regulation establishing the Digital Europe Programme
https://europa.eu/!KYQMdB

Background and legal basis

European Commission

Where is the information?

List of contact persons in Member States:
https://europa.eu/!4wvBnq

If you need info from your MS

Catalogue of Digital Innovation Hubs and (candidate) European
Digital Innovation Hubs**: https://europa.eu/!Pu49KF**

Answers to many, many
questions we received

FAQ and other guidance documents **https://europa.eu/!Xu37yW**

Specific guidance for EDIH-EEN-Clusters cooperation
https://europa.eu/!gvWyWP

Cooperation outside the EDIH network

Digital Transformation Accelerator
https://www.edihnetwork.eu/home

European
Commission

Thank you

Contact

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