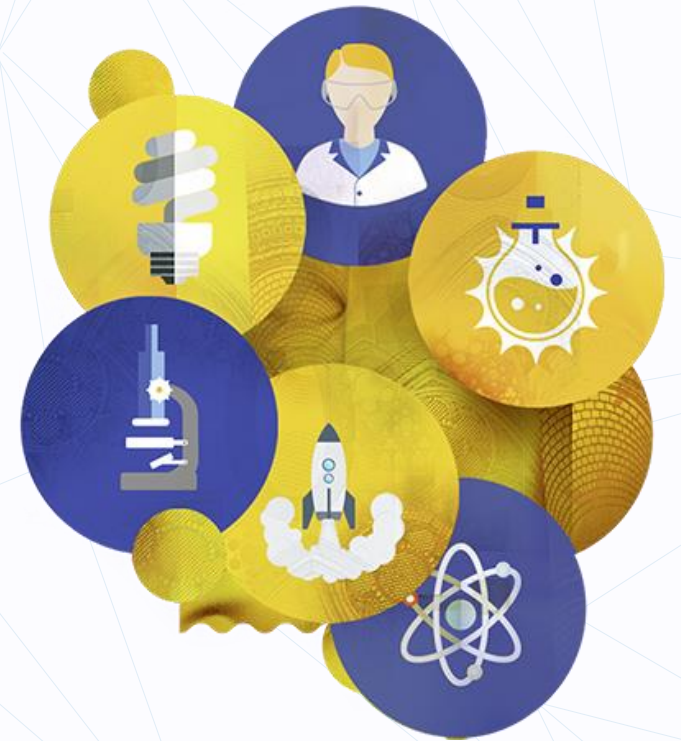


Horizon Europe Konzorciumépítés Partnerkeresés

Németh Edina

**Nemzeti Kutatási, Fejlesztési és Innovációs
Hivatal**



Partnerkeresés Horizon Europe



Felhívás elemzése

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/european-partnerships-horizon-europe_en

Topic description

ExpectedOutcome:

Proposal results are expected to contribute to at least one of the following expected outcomes:

- Truly mixed human-AI initiatives for human empowerment
- Trustworthy hybrid decision-support systems

Scope:

Build the next level of **perception, visualisation, interaction and collaboration** between humans and AI systems working together as partners to achieve common goals, sharing mutual understanding and learning of each other's abilities and respective roles.

Innovative and promising approaches are encouraged, including human-in the loop approaches for truly mixed human-AI initiatives combining the best of human and machine knowledge and capabilities, tacit knowledge extraction (to design the next generation AI-driven co-creation and collaboration tools embodied e.g. in industrial/working spaces environments).

Each proposal will exclusively focus on one of the two following research objectives, and must clearly identify its focus in the proposal:

1. Reach truly mixed human-AI initiatives for human empowerment. The approaches should combine the best of human and machine knowledge and capabilities including shared and sliding autonomy in interaction, addressing reactivity, and fluidity of interaction and making systems transparent, fair and intuitive to use, which will play a key role in acceptance. The systems should adapt to the user rather than the opposite, based on analysis, understanding and anticipation about human behaviour and expectations.
2. Trustworthy hybrid decision-support, including approaches for mixed and sliding decision-making, for context interpretation, for dealing with uncertainty, transparent anticipation, reliability, human-centric planning and decision-making, interdependencies, and augmented decision-making. Transparency, fairness, technical accuracy and robustness will be the key, together with validation strategies assessing also the quality of the decision of the AI supported socio-technical system.

All proposals should adopt a human-centred development of trustworthy AI and investigate and optimise ways of human-AI interaction, key for acceptance and democratisation of AI, to allow any user to take full advantage of the huge benefits such technology can offer, regardless of their age, race, gender or capabilities. This includes development of methods to improve transparency, in particular for human users, in terms of

4. klaszter

Digitális technológiák



Korábbi felhívások projektek

HORIZONT EURÓPA



1. pillér Kiváló tudomány

Európai Kutatási Tanács

Marie Skłodowska-Curie-cselekvések

Kutatási infrastruktúrák



2. pillér Globális kihívások és az európai ipar versenyképessége

- Klaszterek
- Egészségügy
 - Kultúra, kreativitás és befogadó társadalom
 - A társadalmat szolgáló polgari biztonság
 - Digitális gazdaság, ipar és világűr
 - Eghajlat, energia és mobilitás
 - Élelmiszerek, biogazdaság, természeti erőforrások és környezet

Közös Kutatóközpont



3. pillér Innovatív Európa

Európai Innovációs Tanács

Európai innovációs ökoszisztémák

Európai Innovációs és Technológiai Intézet

A részvétel bővítése és az Európai Kutatási Térség megerősítése

A részvétel bővítése és a kiválóság terjesztése

Az európai K+I-rendszer megreformálása és megerősítése

ICT

ICT

ICT

ICT

ICT

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ICT

Nyitott felhívások

Infokommunikációs technológia-orientált kutatások

Infokommunikációs technológiák alkalmazása

Tematikus és nyitott felhívások

D1 Klímasemleges, körforgásos és digitális termelés

D2 Digitális, erőforrás-hatékony és ellenálló ipar

D3 Adat- és nagy teljesítményű számítástechnika a világ élvonalában

D4 Digitális és áttörést jelentő technológiák a versenyképesség és az európai zöld megállapodás szolgálatában

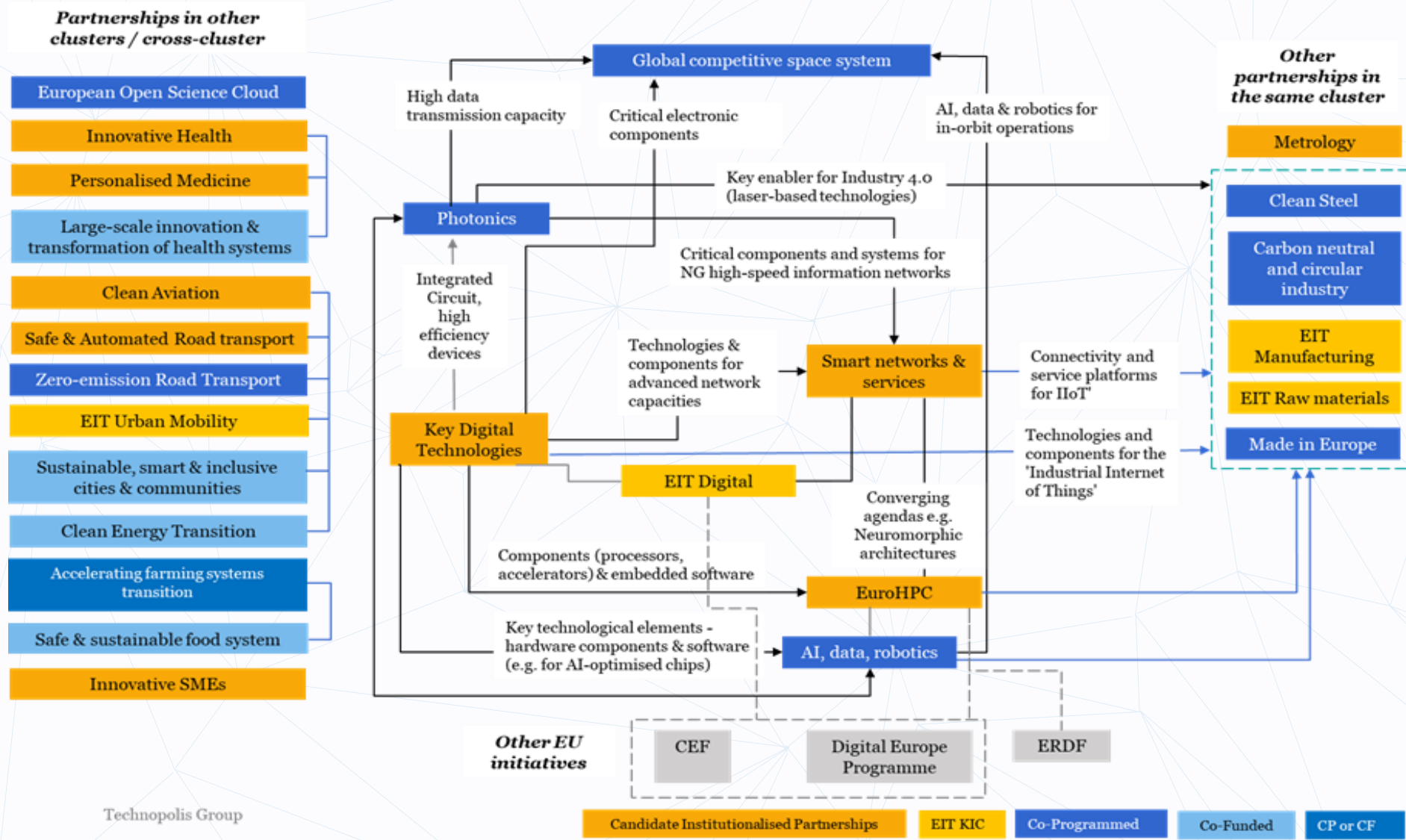
D5 Stratégiai autonómia globális űrinfrastruktúrák fejlesztésében, bevezetésében és alkalmazásában

D6 A digitalis és ipari technológiák emberközpontú és etikus fejlesztése

Partnerség vezérelt program

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/european-partnerships-horizon-europe_en

Horizon Europe



Partnerships in Horizon Europe

- **Co-programmed European Partnerships**

These are partnerships between the Commission and private and/or public partners. They are based on memoranda of understanding and/or contractual arrangements.

- **Co-funded European Partnerships using a programme co-fund action**

Partnerships involving EU countries, with research funders and other public authorities at the core of the consortium.

- **Institutionalised European Partnerships**

These are partnerships where the EU participates in research and innovation funding programmes that are undertaken by EU countries.

Digital Centric Partnerships

- **Key Digital Technologies** (proposed as institutionalised) addressing the technological challenges and emerging opportunities for Europe on key digital technologies. This include microelectronics, embedded software and smart microsystems enlarged with elements of photonics, higher-layers of software and complex system integration
- **High Performance Computing** (proposed as institutionalised) to develop and deploy highly competitive and innovative HPC ecosystems in Europe. It will build on the experience gained in EuroHPC for achieving world-class exascal eand post-exascale (HPC) technologies in Europe, including their integration with Quantum computing
- **Smart Networks and Services** (proposed as institutionalised) to strengthen the position of the European industry in the global race on digital connectivity infrastructures including "5G and beyond" and later "6G" network systems and associated services
- **Artificial Intelligence, data and robotics** (proposed as co-programmed) with a strong socio-economic transformational potential with impact in sectors like health, manufacturing, ship-building, construction, service industries and farming, etc.
- **Photonics** (proposed as co-programmed) with a strong and growing impact on a broad variety of end user industries, developing next-generation photonics components and systems fostering synergies and coordination amongst research and industrial actors.


Digital Transformation Partnerships


- **Innovative Health Initiative:** collaborative platform bringing the pharmaceuticals, diagnostics, medical devices, imaging and digital sectors together for precompetitive R&I in areas of unmet public health need, to accelerate the development and uptake of people-centred health care innovations.
- **Large-scale innovation and transformation of health systems in a digital and ageing society:** improving health and care models in an ageing, data-driven and digital society, shifting to holistic health promotion and person-centred care approaches through health policy and health systems research.
- **Made in Europe:** Towards a competitive discrete manufacturing industry with a world-leading reduction of the environmental footprint whilst guaranteeing the highest level of well-being for workers, consumers and society.
- **Mobility and Safety for Automated Road Transport:** long-term framework to the strategic planning of research and pre-deployment programmes for connected and automated driving on roads at EU and national levels in a systemic approach (vehicle, interactions, infrastructure, technical and non-technical enablers and societal impact)
- **Batteries:** Towards a competitive European industrial battery value chain: development of a world-class European R&I system on batteries, with a view towards European industrial leadership. Develop a coherent strategic programme, in cooperation with industry and research community, substantially contributing to fulfilling the Paris Agreement, and enhance the competitiveness of current and emerging European industries along the battery value chain.
- **Clean Energy Transition:** respond to the call for decarbonisation in medium-and long-term in a holistic way, synthesizing all fragmented actions to allow for greater integration of relevant research & innovation areas and provide greater impact.

Other Cluster 4 related partnerships

- **European Partnership for Globally competitive Space Systems:** The vision is to support the competitiveness of the sector and reinforce EU capacity to access and use space. The main objectives for 2030 are to contribute to capturing 50% of the global accessible telecom satellite market, becoming the worldwide leader for Earth observation systems, reducing the cost/price of launch services by 50% by 2030, reaching a maturity of technology readiness level 6 in the fields of ecosystem for on-orbit operation, doubling the accessible new services in the space transportation market available to European industry
- **Processes4Planet – Transforming the European Process Industry for a sustainable society:** The partnership aims at circularity and an extensive decarbonisation of European process industries, with a strong focus on competitiveness. Within a cross-sectorial approach, it will develop and deploy the innovations needed for a profound transformation of process industries, e.g., cement, chemical, steel, to achieve the EU Green Deal targets by 2050.
- **European Partnership on Metrology:** The partnership will accelerate the global lead of Europe in metrology research. By 2030, it will create sustainable European metrology networks in highly competitive and emerging metrology areas able to compete with China and the US. Europe will have a world-class metrology system, offering fit-for-purpose solutions supporting and stimulating new innovative products, responding to society's challenges and enabling effective design and implementation of regulation and standards underpinning public policies.
- **European Partnership for Clean Steel - Low Carbon Steelmaking:** Aligned with the European Green Deal targets, the partnership supports EU leadership in transforming the steel industry into a carbon-neutral one, serving as a catalyser for other strategic sectors. By 2027 it will implement at least 2 demonstration projects leading to a 50% reduction in CO2 emissions and achieve technology readiness level 8 by 2030 in at least 12 areas funded by the partnership. The final ambition is to reduce CO2 emissions by 80-95% by 2050, ultimately achieving carbon neutrality.







The 5G Infrastructure Public Private Partnership

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Plans & Papers
Events
European 5G Activities
Media & News
Contact

WORK GROUPS
Home /

Work Groups originate either from the 6G-IA (called '6G-IA WGs') or from 5G PPP Projects (called '5G PPP WGs'). '5G PPP WGs' are cross-projects work groups where the activities of multiple 5G PPP projects can converge to create positive synergies.

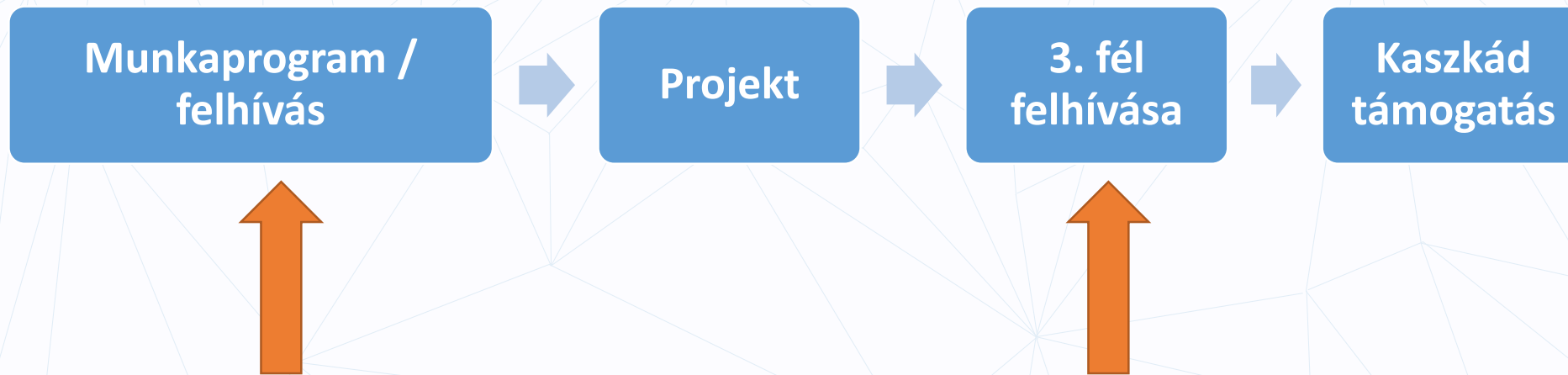
Access to WGs and their functioning is defined in the Terms of Reference of each WG. In general:

- '6G-IA WGs' are open to 6G IA Members and representatives of ongoing 5G PPP projects.
The 6G-IA's 'Trials WG' is open also to representatives from organisations that are not members of the 6G-IA or beneficiaries of a 5G PPP project (upon approval by the Chairperson of the WG).
- '5G PPP WGs' are open to representatives of ongoing 5G PPP projects.

WGs <small>(click to see Terms of References and WG contact details)</small>	Origin	Short description
Open Smart Networks and Services WG Aitor Garcia Viñas, Vodafone	6G-IA	The Open SNS WG promotes and supports the evaluation, adoption, deployment, and evolution of open solutions for 5G and beyond 5G/6G networks. One of the first tasks of the WG is to promote and support the evaluation, adoption, deployment, and evolution of open, disaggregated, intelligent and fully interoperable Radio Access Networks (RAN) as a key technology for future mobile networks (5G and beyond). For this, the Working Group is aiming to bridge the open initiatives in the industrial domain with the ongoing or planned R&D and standardization work (3GPP, O-RAN Alliance...), bringing together subject matter experts from the academy (university, research institutes, etc.) and industry

<https://5g-ppp.eu/5g-ppp-work-groups/>

Horizon Europe finanszírozás Harmadik felek felhívásai (más néven **Kaszád támogatások**)





Competitive calls and calls for third parties

EIT Raw Materials – Call for GEORIS Task Partner's selection

Deadline: 9 November 2022

open >

2nd EIT Manufacturing Call 2023 for Innovation, Education and Business Creation proposals

Deadline: 10 November 2022

open >

Call for EIT RawMaterials RIS Hub Activities 2022

Deadline: 14 November 2022

open >

EIT Food Public Engagement Proof of Concepts Call for Proposals 2023, 2024, 2025 (submission window 1)

Deadline: 15 November 2022 (submission window 1)

open >

EIT Digital Innovation Factory 2022

Deadline: 15 November 2022 (third cut-off)

open >

EIT Food Public Engagement Consumer Observatory Call for Proposals 2023

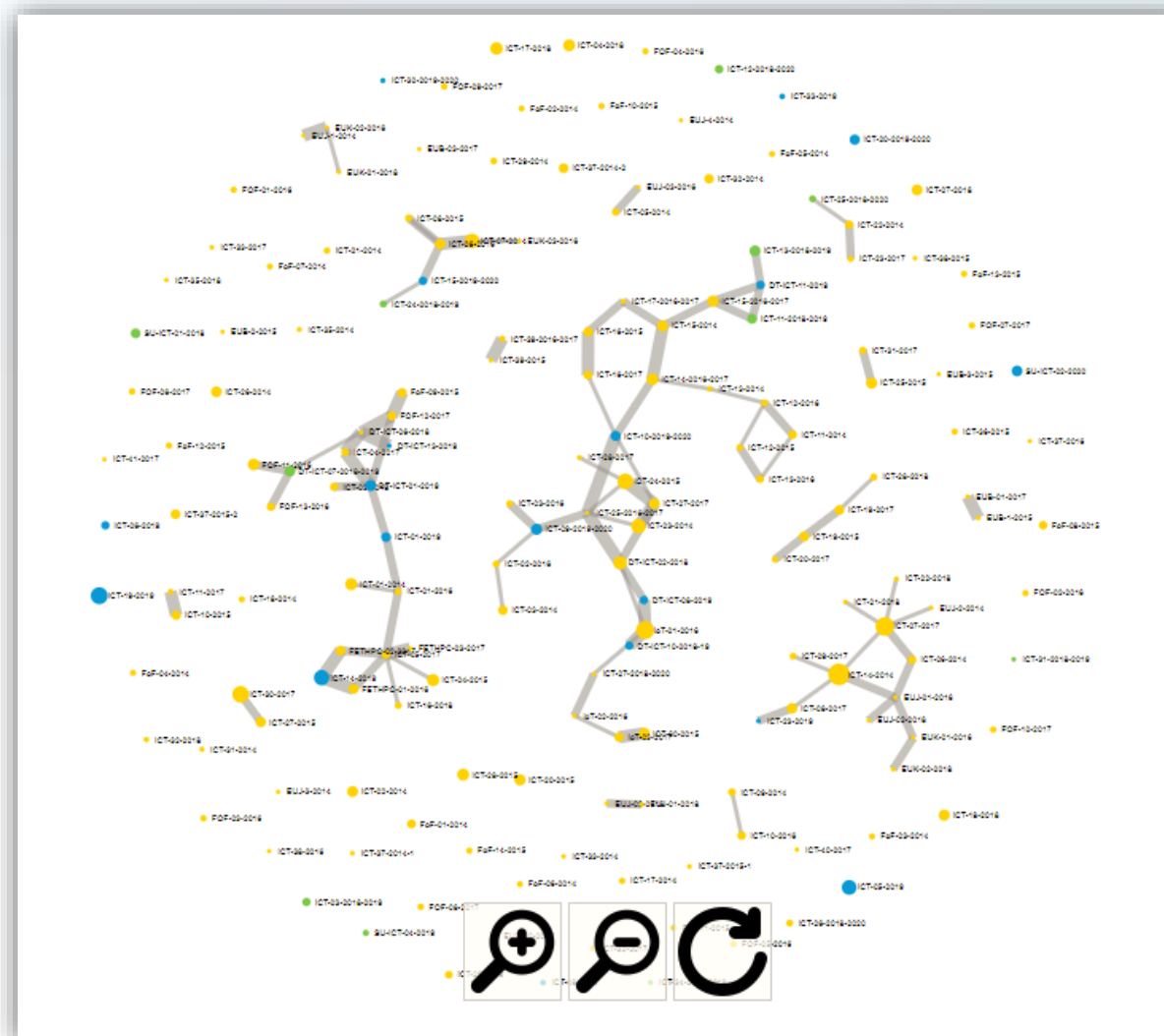
Deadline: 15 November 2022

open >

How are call topics linked?

How have these areas evolved over the years?

What is the new focus this year?



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 645216

Digitális Innovációs Ökoszisztémák

Digital Innovation Ecosystems

Are you looking for a faster and easier way to get involved in Horizon programmes and the European research and innovation ecosystem?

Many running projects offer funding opportunities for innovative ideas embedded in dynamic digital ecosystems. In addition, these initiatives offer access to facilities and competence centers to help you experiment with the latest digital technologies.

[Find out more on our Other Funding Sources](#)

Horizon Funding & Tenders Portal

Brokerage Events

Other Search Opportunities

Digital Innovation Ecosystems

Information days and Relevant Events



- 12-14 December 2022

[Information Day on Cluster 4 - Digital, Industry & Space](#)

- Digital: 15-16 December 2022 (organised by [IDEAL-IST](#))
- Industry: 14 December 2022 (organised by [NCP4Industry](#))
- Space: 8 December 2022 (organised by [COSMOS4HE](#))

[Brokerage Event - Digital & Industry](#)

ONLINE Partnerkereső

Partner search announcements

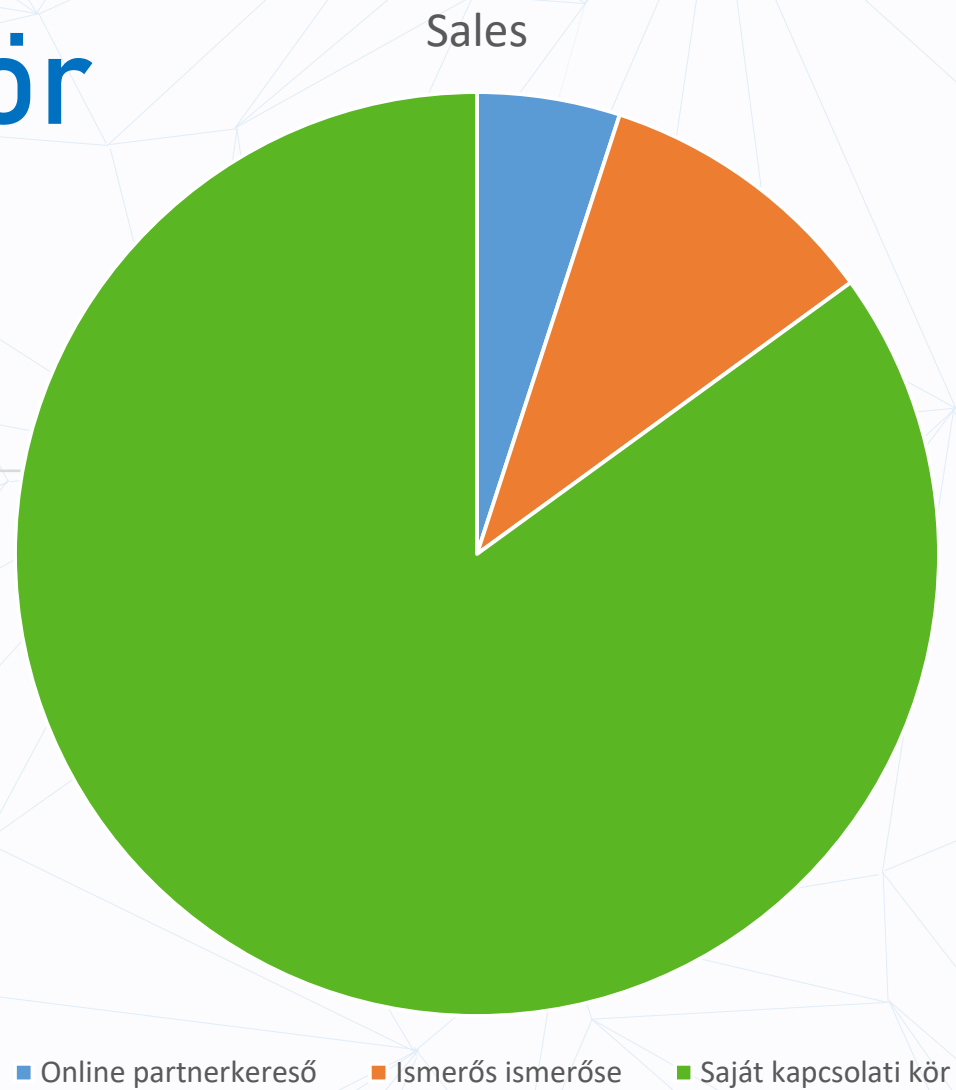
Searches of partners to collaborate on this topic

245

[View / Edit](#)

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal, as well as any user having an active public Person profile.

Saját Kapcsolati kör



CONNECT | DIGITIZE | TRANSFORM

Edina Nemeth

Programme Committee delegate, National Contact Point

Horizon Europe, Digital, Industry & Space (Cluster 4)

Horizon Europe, Cybersecurity (Cluster 3)

European Innovation Council – Pathfinder, Transition
(Pillar 3)

National Research, Development and Innovation Office

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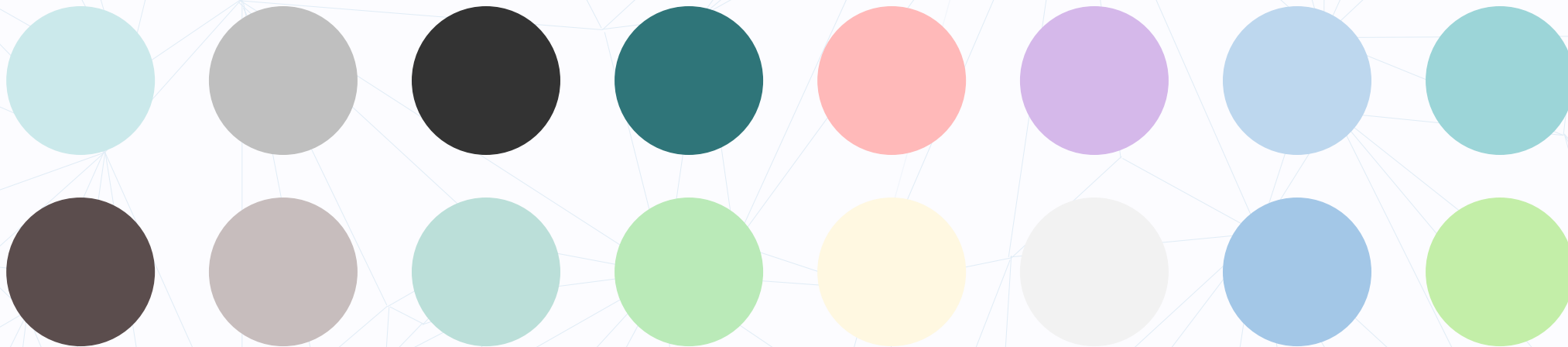
Ideal-ist – the network of National Contact Points

www.ideal-ist.eu



Színek

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