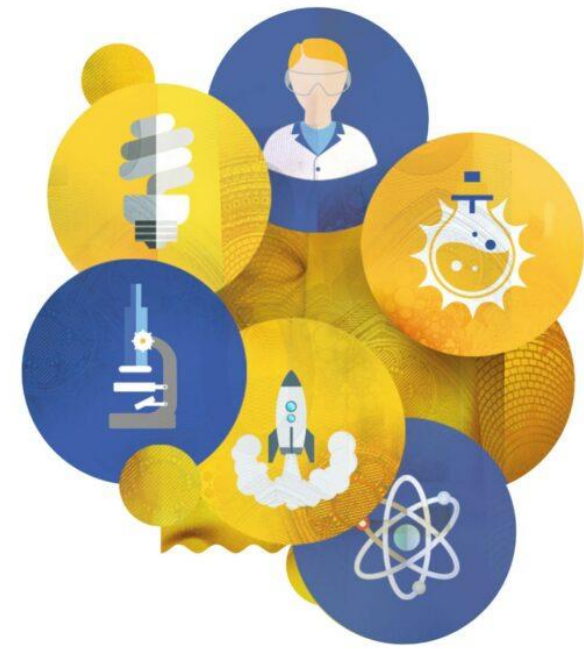

Horizon Europe



HORIZON EUROPE OPPORTUNITIES FOR SMES

Agnes Divinyi

National Research, Development and Innovation Office

Online, 30 June 2021



NATIONAL RESEARCH, DEVELOPMENT
AND INNOVATION OFFICE
HUNGARY

National Research, Development and Innovation Office

- Taking part in the planning of research and innovation programs financed by structural funds and the National Research, Development and Innovation Fund
- Financing research and innovation projects from the NRDI Fund
- Financing and coordinating multilateral and bilateral research and innovation collaborations
- Representing Hungary in Horizon Europe programme committees, operation of the national contact point (NCP) network, financing national calls to boost Hungarian participation in Horizon Europe calls
- Organisation of information events
- Development of national RDI ecosystem



Horizon Europe Program 2021-2027 - 95,5 billion €

- <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

Find calls for proposals and tenders

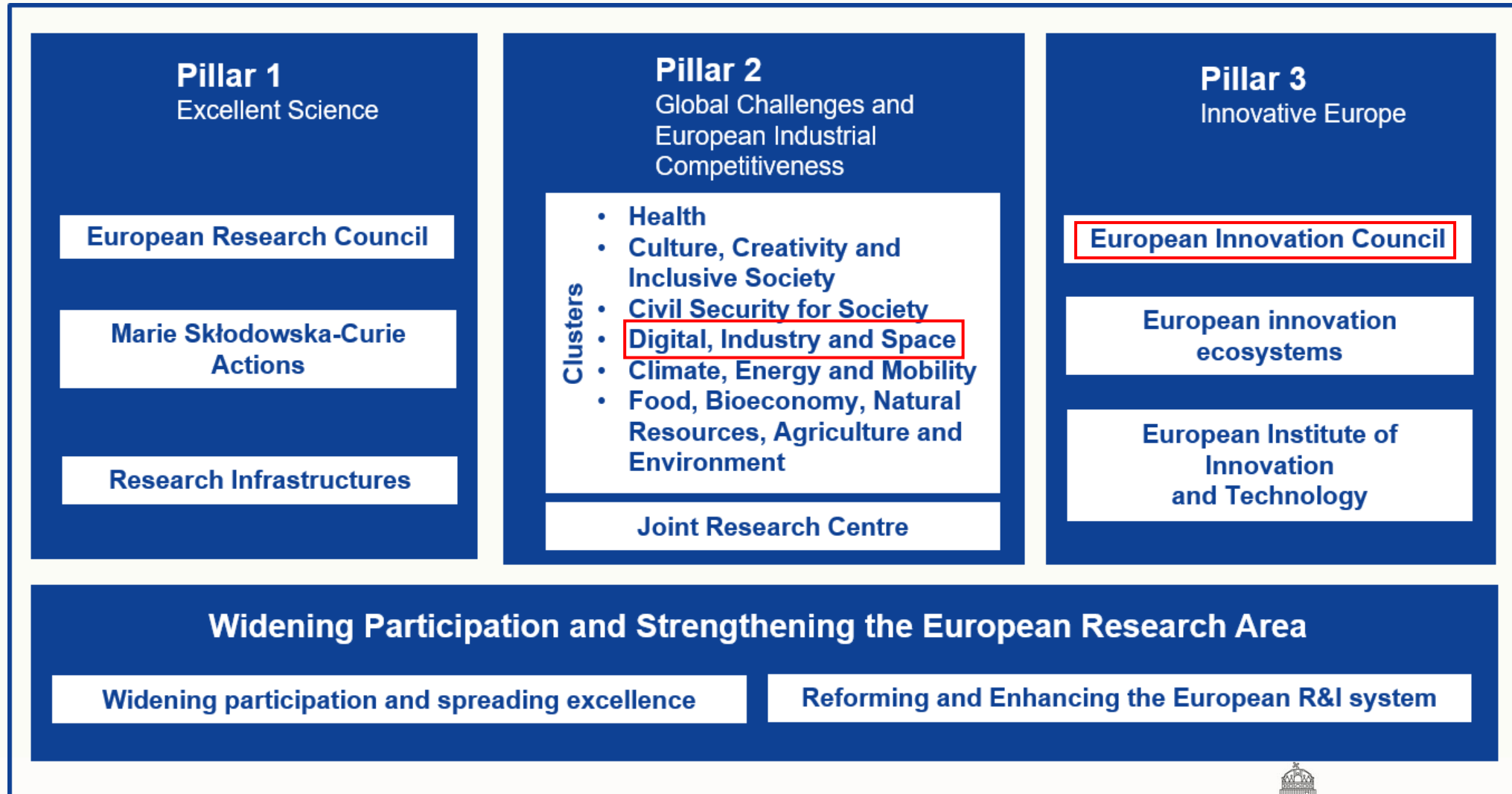
Search calls for proposals and tenders by keywords, programmes...

EU Programmes

Asylum, Migration and Integration Fund (AMIF)	Border Management and Visa Instrument (BMVI)	Customs Control Equipment Instrument (CCEI)	Citizens, Equality, Rights and Values Programme (CERV)	Creative Europe (CREA)	Customs Programme (CUST)
Digital Europe Programme (DIGITAL)	Europe Direct (ED)	European Parliament (EP)	European Solidarity Corps (ESC)	Erasmus+ Programme (ERASMUS+)	European Social Fund + (ESF)
European Maritime, Fisheries and Aquaculture Fund (EMFAF)	Fiscalis Programme (FISC)	Innovation Fund (INNOVFUND)	Internal Security Fund (ISF)	Horizon Europe (HORIZON)	Single Market Programme (SMP)
Social Prerogative and Specific Competencies Lines (SOCPL)	EU External Action (RELEX)	Justice Programme (JUST)	Protection of the Euro against Counterfeiting Programme (PERICLES)	Pilot Projects and Preparatory Actions (PPPA)	Programme for the Environment and Climate Action (LIFE)



Horizon Europe research and innovation program



Horizon Europe

Research and innovation framework program of the European Union

- Direct European Union funding for organisations doing international level research and innovation
- International consortia of at least 3 partners from 3 different countries (at least 1 from an EU country)
- Funding rate: research and innovation actions (RIA) 100%, innovation actions (IA) 70% for SMEs.
- Online, electronic project proposal preparation, submission, contracting and reporting



Participation possibilities for SMEs

- Thematic calls (RIA, IA) – consortium member
- Networking projects (CSA) - consortium member
- Cascading grants (financial support for third parties - Competitive calls and calls for third parties): ecosystem building, testing, validation and introduction of innovative technologies, helping access to finance
- EIC Accelerator – single applicant
- Thematic Partnerships – consortium member
- 8 EIT KICs (e.g. EIT Digital, EIT Manufacturing)



Overview of 49 candidate European Partnerships

PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen
Global Health Partnership	Smart Networks & Services	Clean Aviation
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)
Rare diseases*	Photonics	Batteries
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People
	Global competitive space systems**	Clean Energy Transition
		Driving Urban Transitions

PILLAR III - Innovative Europe

EIT	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

CROSS-PILLARS II AND III

European Open Science Cloud

- Institutionalised Partnerships (Art 185/7)
- Institutionalised partnerships / EIT KICs
- Co-Programmed
- Co-Funded

* Calls with opening dates in 2023-24
 ** Calls with opening dates not before 2022



Cluster 4: Digital, Industry and Space

Calls in the Work Programme for 2021-2022

Total budget: EUR 3,5 billion

Half of the budget through partnerships (AI, Data and Robotics, Made in Europe, Processes4Planet, Clean Steel, Photonics Partnerships)

CLIMATE NEUTRAL, CIRCULAR AND DIGITISED PRODUCTION,
TWIN GREEN AND DIGITAL TRANSITION (manufacturing, improving circularity)

INCREASED AUTONOMY IN KEY STRATEGIC VALUE CHAINS FOR
DIGITISED, RESOURCE-EFFICIENT AND RESILIENT INDUSTRY
(sustainable, circular raw materials, improved value chains)



Cluster 4: Digital, Industry and Space

WORLD LEADING DATA AND COMPUTING TECHNOLOGIES

(Data management)

DIGITAL AND EMERGING TECHNOLOGIES FOR
COMPETITIVENESS AND FIT FOR THE GREEN DEAL

(Ultra-low power processors, Advanced optical communication components, 6G and foundational connectivity technologies, AI, Robotics, Quantum technologies, 2D materials-based devices and systems)

OPEN STRATEGIC AUTONOMY IN DEVELOPING, DEPLOYING
AND USING GLOBAL SPACE-BASED INFRASTRUCTURES,
SERVICES, APPLICATIONS AND DATA



Key Digital Technologies (KDT) Partnership

Objective: to support the digital transformation of all sectors of the economy and society. Electronic and photonic (light based technologies) components, and the software that defines how they work as part of a system, are the Key Digital Technologies.

Type: Institutionalised partnership

Management: KDT Joint Undertaking

Members:

- European Commission -funding for applicants from Horizon Europe budget,
- participating states - national funding for applicants,
- industry associations: AENEAS (micro-, nanoelectronics), ARTEMISIA (cyber-physical systems, embedded systems, IoT, digital platforms), EPOSS (smart system integration)

Yearly calls (RIA, IA), large consortia, events (EF ECS, brokerage)



European Innovation Council: Accelerator

The objective is to support individual SMEs, start-ups in the development (grant up to 2,5 million €) and commercialisation (investment up to 15 million €) of their innovative, market creating products and services.

Calls:

- open (any topics) – budget for 2021: 592 million €,
- challenges (digital and health technologies, green deal innovations) – budget for 2021: 495 million €

Application: short proposal (any time – evaluation within 4 weeks),
full proposal (deadlines),
interview

Next submission deadline for the full proposal: 6 October, 2021



European Innovation Council: Innovative SMEs (EUROSTARS)

- Co-funded partnership (EC and EUREKA/EUROSTARS participating states)
- Supporting innovative SMEs to develop innovative products and services
- International cooperation (consortium of at least 2 partners from 2 EUREKA/EUROSTARS member states)
- Bottom-up
- EUREKA Association: management (international calls (2 cut-offs/year), international evaluation of proposals and technical reporting of projects)
- Participating states (in Hungary, NRDI Office as NFB): contracting, technical and financial monitoring of the partner
- Launch of the call: August 2021 with the international deadline by 7 October 2021 (preliminary information!)



More information

<https://nkfi.gov.hu/about-the-office>

More information from NCPs: <https://nkfi.gov.hu/english-2017/horizon-2020-180603/national-contact-points>

Thank you for your attention!

