

Συμπράξεις έρευνας και καινοτομίας (Partnerships)

Βασιλική Καλοδήμου



Contents

- › What are the partnerships?
- › Why do they exist?
- › What's new in Horizon Europe
- › Types of partnerships
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What are the EU Partnerships?

European Partnerships are initiatives in which the EU Commission and private and/or public partners commit themselves to jointly support the development and implementation of a research and innovation programme.

They make a significant contribution in achieving EU's political priorities, such as the Green Deal, Europe's digital strategy, pandemic preparedness

Source: ERA-Learn: <https://www.era-learn.eu/>



What are partnerships?

Collaborative framework between EU + Member States

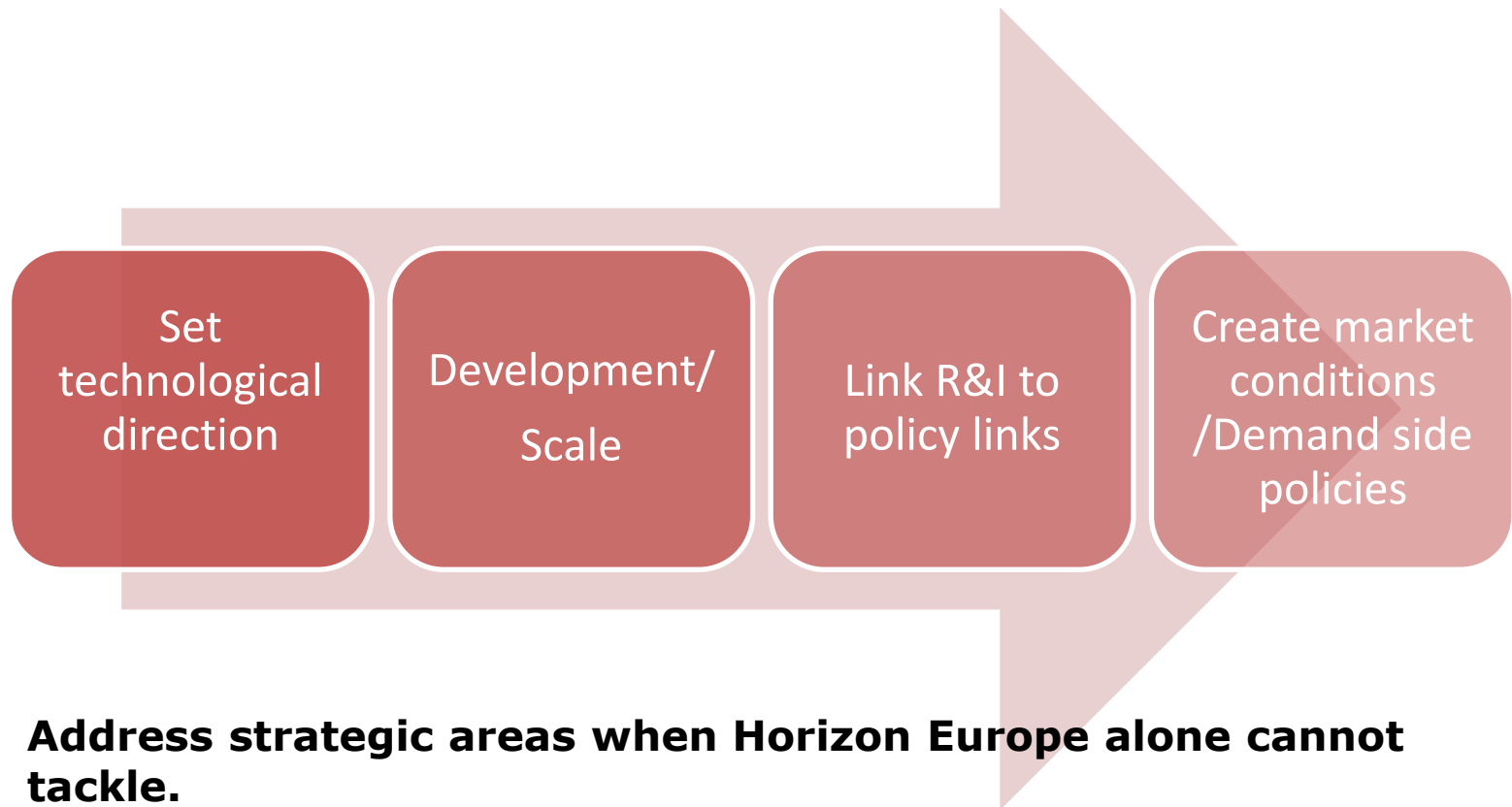


National Target:
5% for Joint R&I
programmes



Why do they exist?

Help the European Research Area overcome fragmentation of R&I landscape



Address strategic areas when Horizon Europe alone cannot tackle.



Current constellation of partnerships

Impact Assessment annex 8-5: current partnership landscape

Partnership approaches	Public-public partnerships (P2P)	Public-private partnerships (PPP)	EIT-KICs*	FET Flagships**
Implementation modes	ERA-NET-Cofund, EJP Cofund, Article 185, Joint Programming Initiative (JPI)	Contractual Arrangement (cPPP) Article 187	H2020 Grant agreements for different types of actions Framework	
Currently active R&I Partnerships (Horizon 2020)	a) ERA-NETs: ~70 b) EJP Cofund: 5 c) Article 185: 6 d) JPIs***: 10	a) JUs: 7 (+HPC) b) cPPPs: 10	a) KICs: 6 until 2020	
Financial contribution from H2020,	2.500 M€ (3,1% of H2020)	13.450 M€ (17,5% of H2020 budget)	2.400 M€ (3,1% of budget)	
Communities (KICs) of the European Institute for Innovation and Emerging Technologies programme (FET) are no EU level instruments but support via ERA-NETs and/or CSAs				

- Innovative Medicine (IMI)
- Fuel Cells and Hydrogen (FCH)
- Clean Sky
- Biobased Industries
- Shift2rail
- ECSEL, SESAR, EURO HPC

- Factories of the Future
- Energy Efficient Buildings
- European Green Vehicles Association
- Sustainable process Industries
- Photonics 21
- HPC



Simplified – impact driven partnerships



New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key Features

- Strategic orientation
- Simple architecture and toolbox
- Common set of criteria for the life-cycle (Horizon Europe regulation Article 8 and Annex III)

CO-PROGRAMMED

Based on Memoranda of Understanding/contractual arrangements; implemented independently by the partners and by Horizon Europe

CO-FUNDED

Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

INSTITUTIONALISED

Based on long-term dimension and need for high integration; partnerships based on Art 185/187 of TFEU and the EIT legal acts for 2021-2027

Main difference in the legal form



New categorization – explained (1/3)

1. CO-FUNDED Partnerships (16)

- › Centralised blending of EU – National, and other R&I programmes
- › **Core consortium:** programme managers + research funders across Member States
- › **Legal form:** Grant agreement between the EU + the core consortium
- › **EU Contribution:** 30%
- › **Joint calls & additional initiatives:** After elaboration of a common agenda
 - Organised centrally
 - Project beneficiaries are funded at national level
- › **EU contribution: 2,2 bn euros**



New categorization – explained (2/3)

2. CO-PROGRAMMED Partnerships (12)

- › **Consortium:** EU, Member States/Associated Countries, other stakeholders
- › **Legal form:** Based on MoUs/contractual arrangements between partners – EC
 - **Association:** back office work/coordination of the partnership
 - **Commitments** (financial/in kind) by the partners
- › **Joint calls:** Under Horizon Europe Work Programmes based on strategic research agendas
- › **EU Contribution:** 8,4 billion euros



New categorization – explained (3/3)

3. INSTITUTIONALISED partnerships

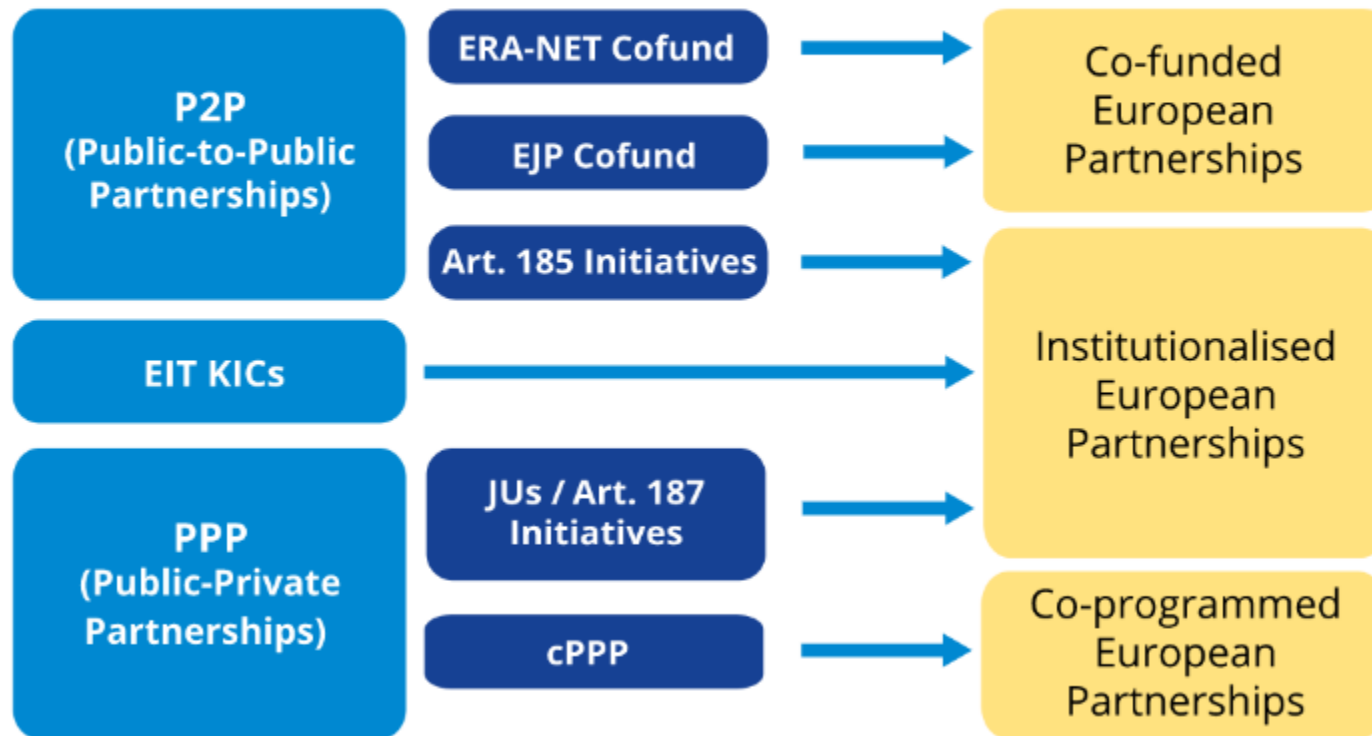
- › **Legal framework:** Art. 185, 187, EIT Regulation
- › **Pre-conditions:** Only when expected impacts are not achieved otherwise
- › **Legal structure:** Requires EU legislation setting up new structures
---- High degree of integration
- › **Key partners (members):** EU + Industry and other stakeholders.
 - EIT KICs: Higher Education Institutions, Research organisations, Companies and other stakeholders
- › **Financial contributions:** Central management
 - Required of all partners
- › **EU Contribution:** 10,8 bn euros + 2,6 for KICs



Old and new

Horizon 2020

Horizon Europe



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Common elements of Horizon Europe partnerships

› **Strategic orientation**

- Contribution to achieving policy objectives (Green Deal, Europe fit for the Digital Age), Industrial strategy

› **Key conditions** for launching partnerships

- Strategic Research & Innovation Agenda (SRIA)
- Ex-ante commitment from partners to mobilise resources and investment

› **Implementation** via Annual Work Programmes

› **Systemic approach**: Portfolio beyond technological development



Current candidate partnerships

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	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail	Water4All
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People	
	Global competitive space systems**	Clean Energy Transition	
		Driving Urban Transitions	

- 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

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





Time-line

-  **2018:** Identification of priorities
-  **2018-2020:** Consultation with Member states
-  **2021:** Strategic Plan 2021-2024
-  **2021 - June:** Launch of co-programmed partnerships - June 2021
-  **2021 - Q1:** Adoption of commission proposals for **Metrology & 9**
 **Undertakings** (Article 185-187)
-  **2021 - Q4:** Launch of first **co-funded** partnerships
-  **2022 - Q1:** Signature of the grant agreement with ministries and national authorities, research funders



Greek participation in Horizon EU partnerships for 2021-2022

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CROSS-PILLARS II AND III	
European Open Science Cloud	

1M euro/y/
partnership

15 M euro
for Horizon Europe

* Calls with opening dates before 2023
 ** Calls with opening dates not before 2022





How to participate - Membership(entity level)

Eligibility of participants dependent on the type of partnership

CO-FUNDED + HPC + Key Digital Technologies:

- › Upon participation of Member-States
- › Individual applicants apply to call for proposals

CO-PROGRAMMED & INSTITUTIONALISED

- › Direct membership at the association level that is contracted to the EU
- › Call for proposals
 - Co-Programmed: Open to all applicants
 - Institutionalised: Calls Open for non members + Closed for members



Benefits for membership at entity level (research, academia, other stakeholders)

Except CO-FUNDED

- › Have a say at strategic agendas for research & innovation
- › Networking with counterparts and other multi-actor networks
- › Joint research with counterparts within framework programmes, the partnerships own activities, etc.



Greek figures for ERA NETs

No of networks involved	104 networks
No. of networks involved as a coordinator	2 networks
No. of Joint Calls involved in	163 Joint calls
No. of organisations involved in networks	35 organisations
No. of funded projects	256 funded projects



Comparative figures with EU-13 (part of the widening group)

Networks: participations of EU-13 funding orgs. in Public-Public Partnerships





CO-FUND Statistics

Participations and Net EU Contribution/EU Contribution by country - region	
Country	H2020 EU Contribution (EUR)
Totaux	€ 921.129.485
Germany	€ 271.124.458
France	€ 124.738.694
Italy	€ 118.253.949
United Kingdom	€ 90.767.042
Spain	€ 49.327.389
Switzerland	€ 37.789.879
Belgium	€ 33.055.442
Netherlands	€ 33.248.640
Sweden	€ 21.242.285
Finland	€ 17.945.599
Denmark	€ 16.909.215
Austria	€ 14.370.234
Portugal	€ 13.494.807
Poland	€ 12.997.020
Czechia	€ 12.502.518
Slovenia	€ 6.934.997
Greece	€ 6.492.211
Hungary	€ 6.199.369
Norway	€ 4.489.593



EU Ranking in partnership related activities

Country	H2020 Participations	%	H2020 Net EU Contribution
Totals	15.551	100,0%	€ 6.437.224.330
France	2.030	13,1%	€ 1.156.281.424
Germany	2.263	14,6%	€ 1.080.197.039
United Kingdom	1.225	7,9%	€ 674.041.308
Spain	1.764	11,3%	€ 658.960.880
Italy	1.609	10,3%	€ 633.579.238
Netherlands	1.165	7,5%	€ 558.761.640
Belgium	871	5,6%	€ 323.791.632
Sweden	569	3,7%	€ 205.222.699
Austria	671	4,3%	€ 203.507.836
Switzerland	442	2,8%	€ 112.268.150
Finland	355	2,3%	€ 105.594.453
Norway	300	1,9%	€ 117.796.573
Ireland	195	1,3%	€ 64.387.182
Denmark	256	1,6%	€ 69.836.280
Czechia	271	1,7%	€ 72.736.767
Israel	93	0,6%	€ 54.995.400
Portugal	224	1,4%	€ 44.368.295
Poland	190	1,2%	€ 40.426.024
Romania	69	0,4%	€ 35.868.848
Greece	144	0,9%	€ 34.720.905



Top performing organisations in Partnerships vs H2020

Legal Name	Country	City	H2020 Participations	H2020 Net EU Contribution
Totals			144	€ 34.720.905
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	Greece	THERMI THESSALONI...	19	€ 4.380.675
HELLENIC AEROSPACE INDUSTRY SA	Greece	ATHENS	4	€ 3.085.642
PANEPISTIMIO PATRON	Greece	RIO PATRAS	10	€ 2.180.220
API EUROPE MONOPROSOPI ETAIREIA PERIORISMENIS EFTHINIS YPIRESION	Greece	ATHINA	1	€ 1.836.580
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA	Greece	ATHINA	8	€ 1.730.387
ARISTOTELIO PANEPISTIMIO THESSALONIKIS	Greece	THESSALONI...	3	€ 1.375.311
GEOPONIKO PANEPISTIMION ATHINON	Greece	ATHINA	4	€ 1.355.027
NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	Greece	AGIA PARASKEVI	5	€ 1.191.750
IDRYMA TECHNOLOGIAS KAI EREVNAS	Greece	IRAKLEIO	3	€ 1.098.013
CLUSTER VIOOIKONOMIAS KAI PERIVALLONTOS DYTIKIS MAKEDONIAS	Greece	KOZANI	2	€ 822.750
ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS	Greece	MAROUSSI	3	€ 845.625
Q-PLAN INTERNATIONAL ADVISORS PC	Greece	KALAMARIA, THESSALONI...	4	€ 840.172

Legal Name	Country	City	H2020 Participations	H2020 Net EU Contribution
Totals			5.209	€ 1.647.702.817
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	Greece	THERMI THESSALONI...	364	€ 166.800.000
IDRYMA TECHNOLOGIAS KAI EREVNAS	Greece	IRAKLEIO	288	€ 119.403.507
INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS	Greece	ATHINA	287	€ 102.325.990
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA	Greece	ATHINA	231	€ 97.183.290
ARISTOTELIO PANEPISTIMIO THESSALONIKIS	Greece	THESSALONI...	201	€ 79.784.402
PANEPISTIMIO PATRON	Greece	RIO PATRAS	146	€ 62.585.780
ETHNIKO KAI KAPODISTRAKO PANEPISTIMIO ATHINON	Greece	ATHINA	154	€ 56.404.750
NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	Greece	AGIA PARASKEVI	117	€ 46.740.898
KENTRO MELETON ASFALIAS	Greece	ATHINA	70	€ 43.409.620
ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS	Greece	MAROUSSI	61	€ 38.528.544
UNIVERSITY OF PIRAEUS RESEARCH CENTER	Greece	PIRAEUS	60	€ 21.300.807
ETHNIKO ASTEROSKOPEIO ATHINON	Greece	ATHINA	50	€ 19.702.846
HELLENIC CENTRE FOR MARINE RESEARCH	Greece	ATTIKIA ANAVISSOS	61	€ 18.492.977



European Research & Innovation Days



EUROPEAN RESEARCH & INNOVATION DAYS

#RiDaysEU

DIGITAL

Memorandum of Understanding signature ceremony for EU Partnerships

Speakers: [Frans Timmermans](#), [Jean Eric Paquet](#), [Karel Luyben](#), [Marina Bill](#), [Giorgio Anania](#), [Axel Eggert](#), [Joaquim Menezes](#), [Pierre Joris](#), [Paul Cartuyvels](#), [Stephan Neugebauer](#), [Armin Graeter](#), [Michael Lippert](#), [Henk Prins](#)

This is the launch event for the 11 new co-programmed European Partnerships, which will all run for 7 years under Horizon Europe. These partnerships, between a long list of private partners from industry and the EU, will perform R&I to address pressing societal challenges in their chosen area of activity – ranging from the digital area to mobility and energy challenges.

The event will feature lively discussions between the industry partners' representatives and the Commissioners in charge. At the end, one of the Memoranda of Understanding, which are the basis for the cooperation, will be signed.

[Watch the session](#)

Source: <https://ec.europa.eu/research-and-innovation/events/research-innovation-days>



Useful information

- › Horizon Europe partnerships: https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/european-partnerships-horizon-europe_en
- › ERA-LEARN: <https://www.era-learn.eu/>
- › FAQ:
https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_european-partnerships-faq.pdf
- › Regulation establishing the Horizon Europe : <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52018PC0435>
- › Study on the monitoring: [A robust and harmonised framework for reporting and monitoring European Partnerships in Horizon Europe - Publications Office of the EU \(europa.eu\)](#)

Thank you
for your attention

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Visit our new website
www.horizoneurope.gr



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