



Demystifying Public-Public Partnerships



European Research Area (ERA) and Framework Programmes (FP)

- FPs financial pillar of the Union's actions to create the Innovation Union
 - ERA Framework policy pillar creating the right conditions
 - Both are closely interlinked
- ➔ Funding measures are **crucial to the realisation of ERA**: effect on coordination and governance, common agenda setting, researcher's mobility and pooling of resources; open access, gender, and, structuring effect on the European landscape of research institutions:
- FP6 (2002-2006): European Technology Platforms, ERA-NETs
 - FP7 (2007-2013): + European Research Council, European Institute of Technology, Article 185 of the Treaty, Joint Technology Initiatives (Article 187 of the Treaty) etc.
 - H2020 (2014-2020): + European Innovation Partnerships
- ➔ By establishing a unified single market for research and innovation, the ERA Framework will ensure that financial resources can be used **with full efficiency, effectiveness and impact** across Europe.

A complex landscape - Partnerships and platforms in the context of Horizon 2020

Public-public partnerships:

- ERA-NET/ERA-NET Plus/ ERA-NET Cofund
- Art.185 initiatives
- Joint Programming Initiatives

Public-private public partnerships:

- Joint Undertakings (Art.187 initiatives)
- Contractual Public-private public partnerships

Multi-Stakeholder Platforms:

- European Innovation Partnerships
- European Institute for Innovation and Technology and its Knowledge Innovation Communities (KICs)

Industry platforms:

- European Technology Platforms (ETPs)



**Open calls
for
proposals!**



Main objectives for cross-border cooperation of research funders (P2Ps)

- To facilitate cross border cooperation of researchers
- To raise the quality of research
- To increase the critical mass in certain fields of research (in particular for societal challenges which no MS can tackle alone)
- To increase efficiency of research funding and avoid unnecessary duplication



P2Ps – why does the Union act?

Research & technological development - a shared competence

- Art.181 defines a clear responsibility for the Union and the Member States to
“coordinate their research and technological development activities so as to ensure that national policies and Union policy are mutually consistent.”
- *“in close cooperation with the Member State, the Commission may take any useful initiative to promote [this] coordination”.*

Framework Programme has been using increasingly Partnership approaches

- Public-Private Partnerships (PPPs), either as Joint Undertakings (Art.187) or contractual PPPs between Industry and Commission
- Public-Public-Partnerships (P2Ps), via ERA-NET, Art.185 or Joint programming Initiatives (JPIs)



Advantages for researchers

All P2Ps support research and launch calls for proposals:

A good chance to succeed with the proposal

→ success rates much higher than in H2020 (in many cases 30%)

Easy to implement

→ most networks fund successful applicants on the basis of the usual national funding rules

Facilitates collaboration across borders

→ allows for transnational projects that could not be realised under Horizon 2020, or at national level only

Builds networks and competences

→ a stepping stone for further collaborations – from H2020 projects to business contacts



P2Ps from FP6 to H2020

FP6: the starting point for P2Ps

- **ERA-NET actions:** supporting the networking of programmes, bottom-up, Member States (or rather funding agency) driven
- **EDCTP as the first attempt to use Art.185** (Art.169) to support a multi-annual joint programme

FP7:

- ERA-NET Plus actions: financial support to facilitate joint calls for proposals
- Union participation in a number of joint programmes via Art.185 (Art.169)

Horizon 2020:

- **Coordination with Member States** via programme committees
- **Art.26, Public-Public Partnerships:** support to P2Ps via ERA-NET and Art.185, paying particular attention to JPIs

EU support for P2Ps rose from 380 m€ in FP6 (2.1% of the budget), to ≈2,500 m€ in Horizon 2020 (around 3.1% of the budget), leveraging 6-7 billion € from Participating States

← Increasing Co-investment



Types of Public-Public-Partnerships

- ERA-NET Cofund
- Article 185 Initiatives
- Joint Programming Initiatives



ERA-NETs (ERA-NET Cofund actions)

- ERA-NET Cofund actions aims at promoting the coordination of national programmes by pooling national resources and contributing to the alignment of national research and innovation policies.
- They support P2Ps by topping-up a joint calls for proposals and supporting a broad range of other joint activities of research funders.
- Under Horizon 2020 around 60 initiatives will be funded from the WP 2014-17

ERA-NET Cofund in WPs 2014 to 2017

	2014		2015		2016		2017	
	€M	no	€M	no	€M	no	€M	no
Excellent Science								
Future and Emerging Technologies					18,0	2	5,0	1
Industrial Leadership								
ICT			6,0	1				
Nano, Materials, Biotech and Manufacturing			12,5	1	30,0	3		
Societal challenges								
Health, demographic change and wellbeing	27,4	4	15,0	3			5,0	1
Food security, agriculture, marine, bioeconomy	5,0	1	15,0	3	35,0	5	29,0	5
Secure, clean and efficient energy	36,8	3	36,3	4	45,8	5	31,0	4
Smart, green and integrated transport					10,0	1		
Climate action, environment, resource efficiency and raw materials	18,2	2	51,0	3	13,0	3	25,0	3
Europe in a changing world – inclusive, innovative and reflective Societies	5,0	1	5,0	1	5,0	1	5,0	1
Science with and for society					5,0	1		
Total	92,4	11	140,8	16	161,8	21	100,0	15



Example: MANUNET

- MANUNET supports innovation-driven, close-to-market research and development projects in manufacturing.
- It aims to encourage cross-border value chains that emerge from advancing technologies.
- During every first quarter of every new year, MANUNET opens a call for proposals to co-fund manufacturing research projects by preferably small and medium-sized enterprises (SMEs) and their strategic partners. Short-term projects with small-medium consortia are expected.
- Funding is dependent on national and regional programmes.
- More than a decade of yearly calls has proven MANUNET as an ideal complementary programme halfway between Horizon 2020 and the national/regional funding programmes.
- Participating countries: Italy, Ireland, Belgium, Luxemburg, Germany, Norway, Romania, Turkey, Israel, Spain, Portugal, the Netherlands, Ireland, and Russia

Example: MANUNET - what do the users say?

A sample of 126 project participants report:

- 44 invention notifications submitted/patent applications filled
- 16 license agreement reached
- 25 patents granted
- 246 publications in peer reviewed scientific journals
- 265 citations in publications
- 68 Degrees (master, doctoral) supported in the context of the projects

Example: MANUNET - what do the users say?

And the economic benefits?

- 65% increased their R&D expenses
- 66% increased their R&D personnel
- 46% allowed the non-permanent personnel recruited during the project to get a permanent position
- 41% experimented an increase in turnover
- 73% of the cases resulted in business opportunities
- 92% of the cases resulted in access to know-how

Source: MANUNET Impact assessment

Article 185 initiatives

Article 185 TFEU (ex Article 169 TEC):

“In implementing the multiannual framework programme, the Union may make provision, in agreement with the Member States concerned, for participation in research and development programmes undertaken by several Member States, including participation in the structures created for the execution of those programmes”

- ➔ Participating Member States are the driving force
- ➔ Co-Decision (Ordinary legislative procedure involving Commission, Parliament and Council)
- ➔ Heavy procedure but longer term financial stability (preparation time 3-4 years, programme implementation a duration of around 10 years with 25-50% co-funding by the EU)



Art.185 initiatives under Horizon 2020

Art. 185 initiatives adopted in 2014	EU (max.)	Participating States
European and Developing Countries Clinical Trials Partnership 2 (EDCTP2)	€ 683 m	€ 683 m
European Metrology Research Programme (EMPIR)	€ 300 m	€ 300 m
Eurostars2 (for SMEs)	€ 287 m	€ 861 m
Active and Assisted Living R&D Programme (AAL2)	€ 175 m	€ >175 m

Commission proposal for PRIMA (Partnership for Research and Innovation in the Mediterranean Area) adopted in October 2016, start of implementation planned for 2018.



Example: EDCTP2 - European & Developing Countries Clinical Trials Partnership

Accelerate the development of new or improved drugs, vaccines, microbicides and diagnostics against HIV/AIDS, tuberculosis and malaria, with focus on phase II and III clinical trials in sub-Saharan Africa.

Programme Duration: 2014 - 2024

Participating States: Austria, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom

Budget: Euro 1366 million, of which up to €683 million from the EU

Joint Programming initiatives

- Joint programming is a process by which EU Member States establish a joint research strategy to tackle major societal challenges. The objective is to reduce research landscape fragmentation, and to align national research programmes and resources for more impact.
- Between 2009 and 2010 a total of 10 JPIs (Joint Programming Initiatives) have been launched.
- Commission as facilitator: Horizon 2020 instruments can be used to support JPIs.



Joint Programming Initiatives

1. Neurodegenerative diseases (JPND) (Alzheimer's)
2. Agriculture, Food Security and Climate Change (FACCE)
3. Cultural Heritage and global change: a new challenge for Europe
4. Healthy diet for a healthy life
5. More Years, Better Lives (Demographic Change)
6. Anti-Microbial resistance
7. Healthy and Productive Seas and Oceans
8. Water Challenges for a Changing World
9. Connecting Climate Knowledge for Europe (Clik'EU)
10. Urban Europe



Example: JPI Anti-Microbial resistance

"With the current spread of antimicrobial resistance we need to invest in research. For example, US funding into AMR research is almost 16 times lower than funding available for cancer research."

JPIAMR: 22 countries to date have joined forces to define a common vision, a strategic research agenda and joint planning as well as implementation of national research programmes.

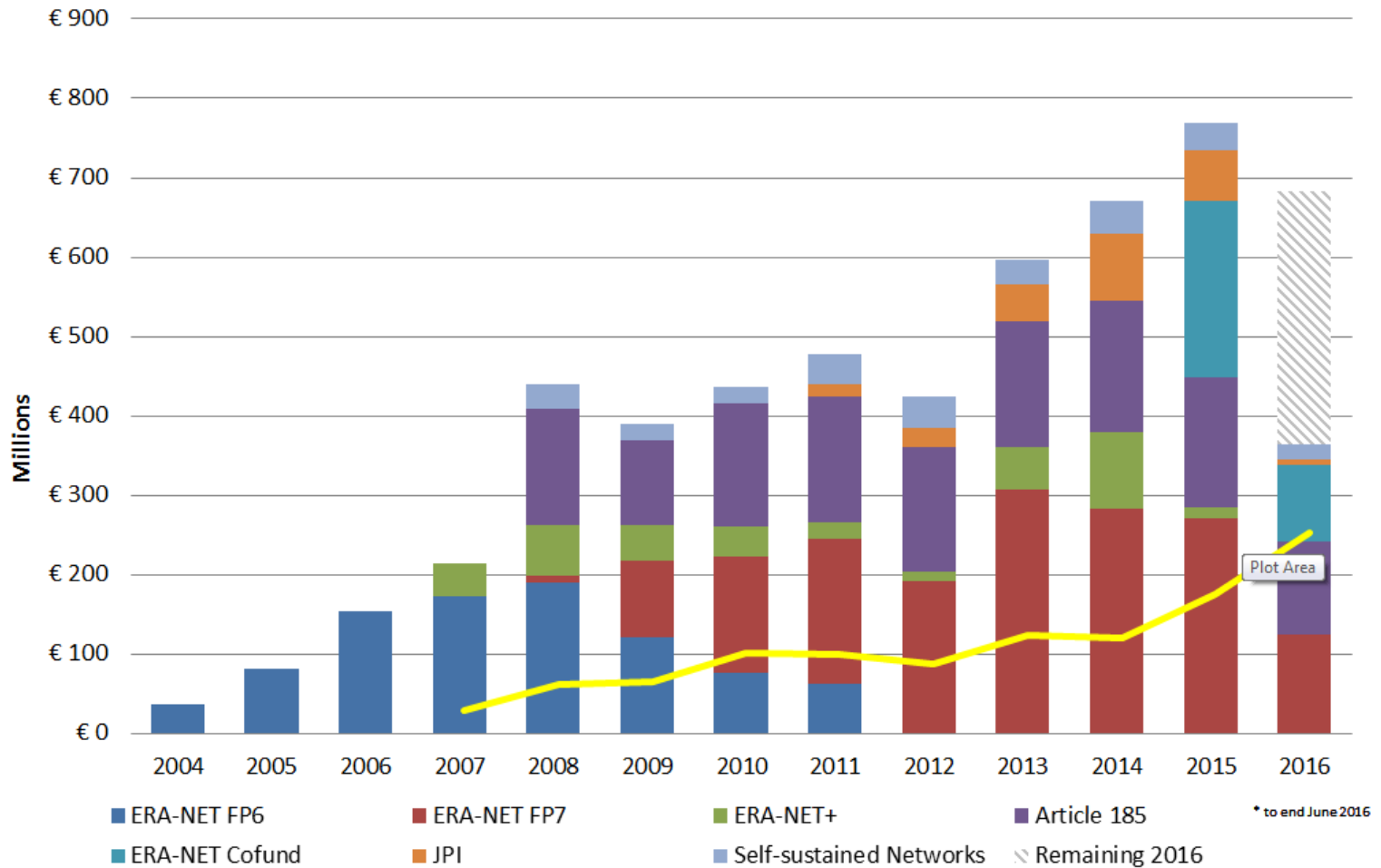
The aim is to reduce the burden of non-treatable infection diseases by preventing infections and developing new or better treatments.

Key partnerships: WHO, Transatlantic US-EU Task Force on AMR (TATFAR), ASEAN, G7, G20, UN AMR declarations

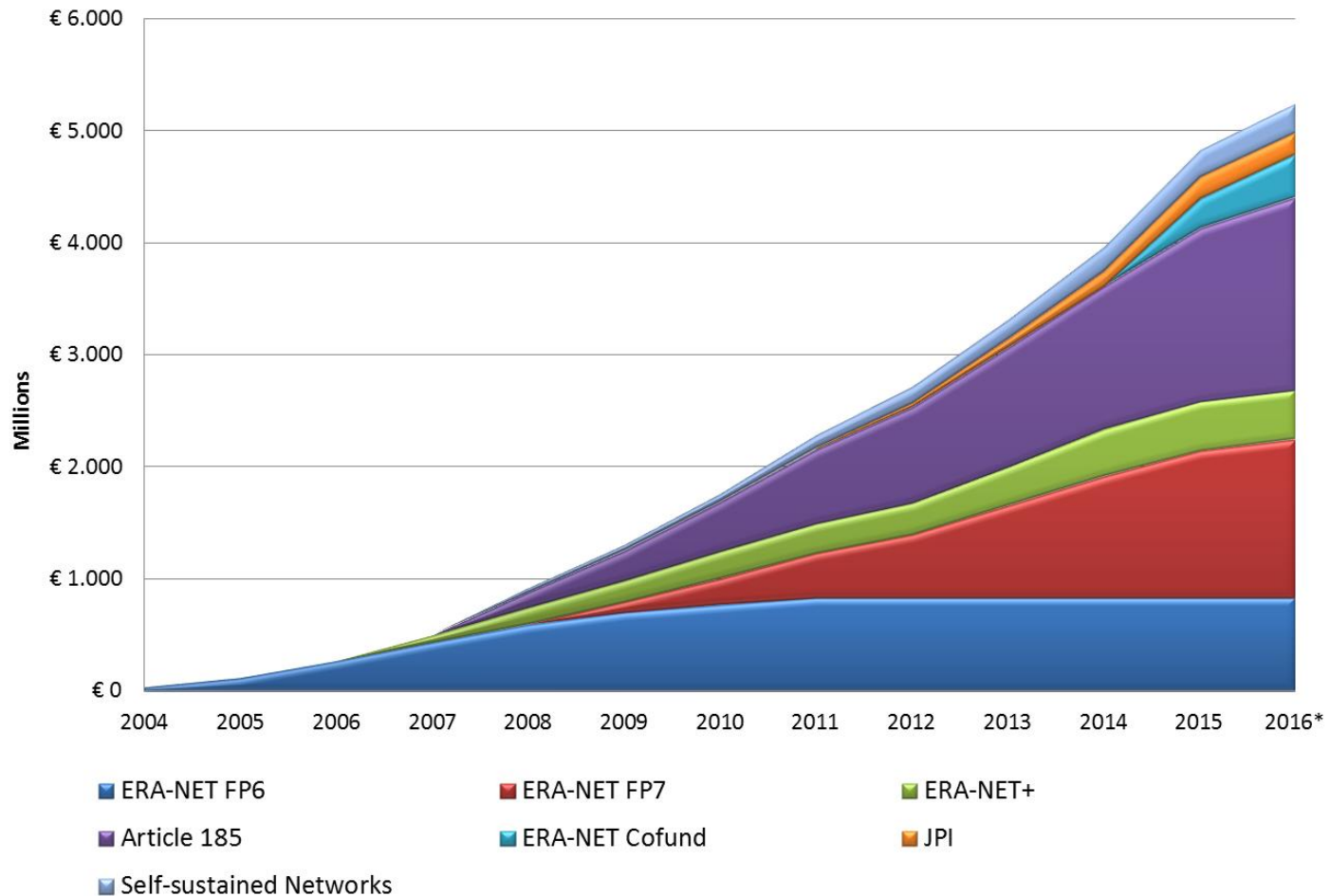
Instrument/ Initiative	Objective	Role of Member States and Commission
ERA-NET (FP6 and FP7) 71 under FP6, 82 under FP7 38 still running	Coordinate national research programmes in a selected area	MS launch and implement joint actions/calls (> Euro 2,1€ billion in joint calls by the end of 2014). EU supports MS networking with Euro 330 million, expected leverage ≈ 10.
ERA-NET Plus (FP7) 23 under FP7	Enhance joint funding by MS and EU in a selected area by co-funding of a single joint call.	MS launch and implement a joint call with a top-up of EU funding (≈ Euro 500 million in joint calls, with EU funding of Euro ≈ 150 million).
ERA-NET Cofund (Horizon 2020) Merger of ERA-NET and ERA-NET Plus, ≈ 60 in 2014-7	Support public-public partnerships between Member States, including joint programming initiatives	MS implement a transnational call for proposal with Union co-funding (compulsory). In addition to the co-funded call other joint activities including other joint calls without Union co-funding.
Article 185 Initiatives 5 initiative under FP6/7, of which 4 renewed under Horizon 2020, one additional under preparation	Integrate national and European research programmes in selected areas	EU contributes with matching funds to implement MS multiannual programmes (under Horizon 2020 currently Participating States Euro 2,019 billion, Union contribution Euro 1,445 billion) Horizon 2020: AAL2 (Active and Assisted Living), EDCTP2 (Clinical Trials), EMPIR (Metrology), Eurostars2 (SMEs), <i>PRIMA under preparation</i>
Joint Programming Initiatives (JPIs) 10 initiatives	Member States address jointly a societal challenge by coordinating / integrating national research	MS develop and implement common Strategic Research Agenda EU supports MS networking and co-funds selected joint calls with ERA-NET Plus/ ERA-NET Cofund



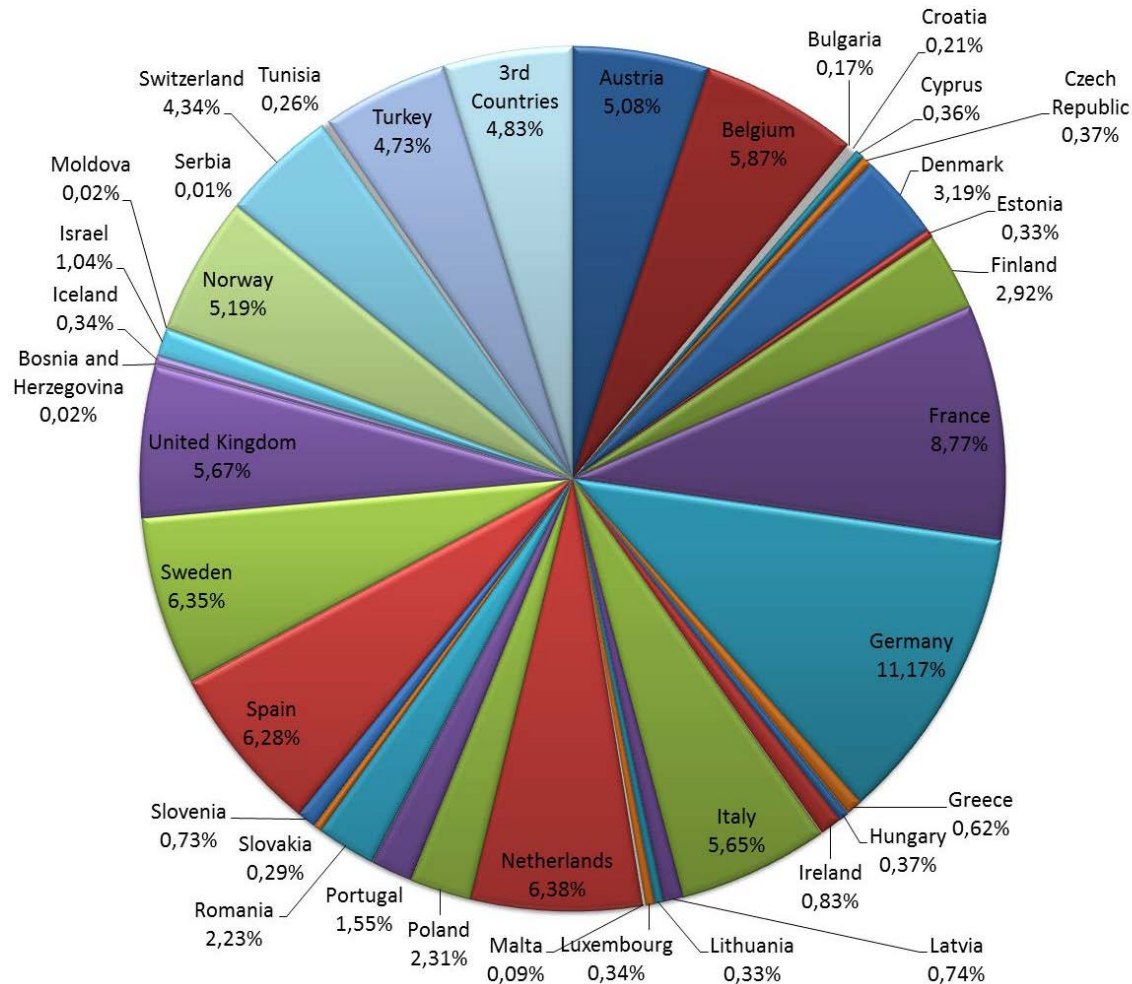
Annual research budgets for P2Ps: 800 million



Cumulative investment in research: 6 billion



Country contributions – broad commitment





Projects funded by P2Ps

- Average public funding < Euro 1 million
 - In many networks focusing on research of public organisations / universities
 - But also very targeted networks:
 - SMEs (Eurostars, Manunet)
 - National Metrology Institutes
 - ...
- ➔ Each year between 600 and 800 projects are selected for funding

Internationalisation of P2Ps

The "Open to the world" Strategy of Commissioner Moedas fully applies to Public-Public Partnerships:

- Many initiatives establish a strong collaboration and partnership with other regions of the world, e.g.:
 - EDCTP Art.185 on clinical trials with sub-Saharan Africa;
 - ERA-NET LAC to underpin the EU-CELAC policy dialogue;
- JPIs and ERA-NETs collaborate with more than 80 third countries.
- By doing so, they demonstrate their potential to set global Research and Innovation agendas, contribute to increasing the visibility of the European research community and involve more partners in advanced, emerging and developing countries.

➔ estimate: international participation in P2P networks is twice as high as in H2020 projects



Where to find more information?

→ ERA-LEARN 2020



ERA-LEARN 2020 in practice

1. Full overview on all P2Ps - ERA-NETs, Art.185, JPIs: actors, activities, calls, outcomes
2. Comprehensive monitoring and impact assessment framework covering instruments, initiatives and funded transnational projects
3. Database with transnational projects funded under P2Ps, linked to an automatized system for impact assessment at project level
4. Expanded toolbox for implementation of joint activities, leading to higher standards and increased effectiveness of joint programming activities
5. Specific support to JPIs (alignment) & GPC (Implementation Groups)
6. Annual P2P events, the next one 7/8 November 2017
7. Input to ERA and H2020 monitoring and impact assessment



P2P networks: 94 active networks

<https://www.era-learn.eu/network-information/networks/>

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P2P Networks

Note: The P2P networks database is depending on the data received by the network. Please send updates at any time to [office\(at\)era-learn.eu](mailto:office(at)era-learn.eu)

Country participating
Type
Status
Funding Framework
H2020 filter options
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Show entries

Acronym	Full Name	Start Date	End Date	Funding Framework	Network Type	Countries	Coordinator
GENDER NET Plus	ERA-NET Cofund Promoting Gender Equality in H2020 and the ERA	01/06/2017	31/05/2022	Horizon 2020	ERA-NET Cofund	13	CNRS-INSU
IndEff	Industry for Energy Efficiency	01/06/2017	31/05/2022	Horizon 2020	ERA-NET Cofund	9	DECC
EN-SUGI	Eranet Sustainable Urbanisation Global Initiative	01/01/2017	31/12/2021	Horizon 2020	ERA-NET Cofund	15	TSB
GeoERA	Establishing the European Geological Surveys Research Area to deliver a Geological Service for Europe	01/01/2017	31/12/2021	Horizon 2020	ERA-NET Cofund	31	TNO
Geothermica	GEOTHEMICA ERA-NET Co-fund Action	01/01/2017	31/12/2021	Horizon 2020	ERA-NET Cofund	13	NEA

Country info: 110 countries participating

<https://www.era-learn.eu/network-information/countries/>

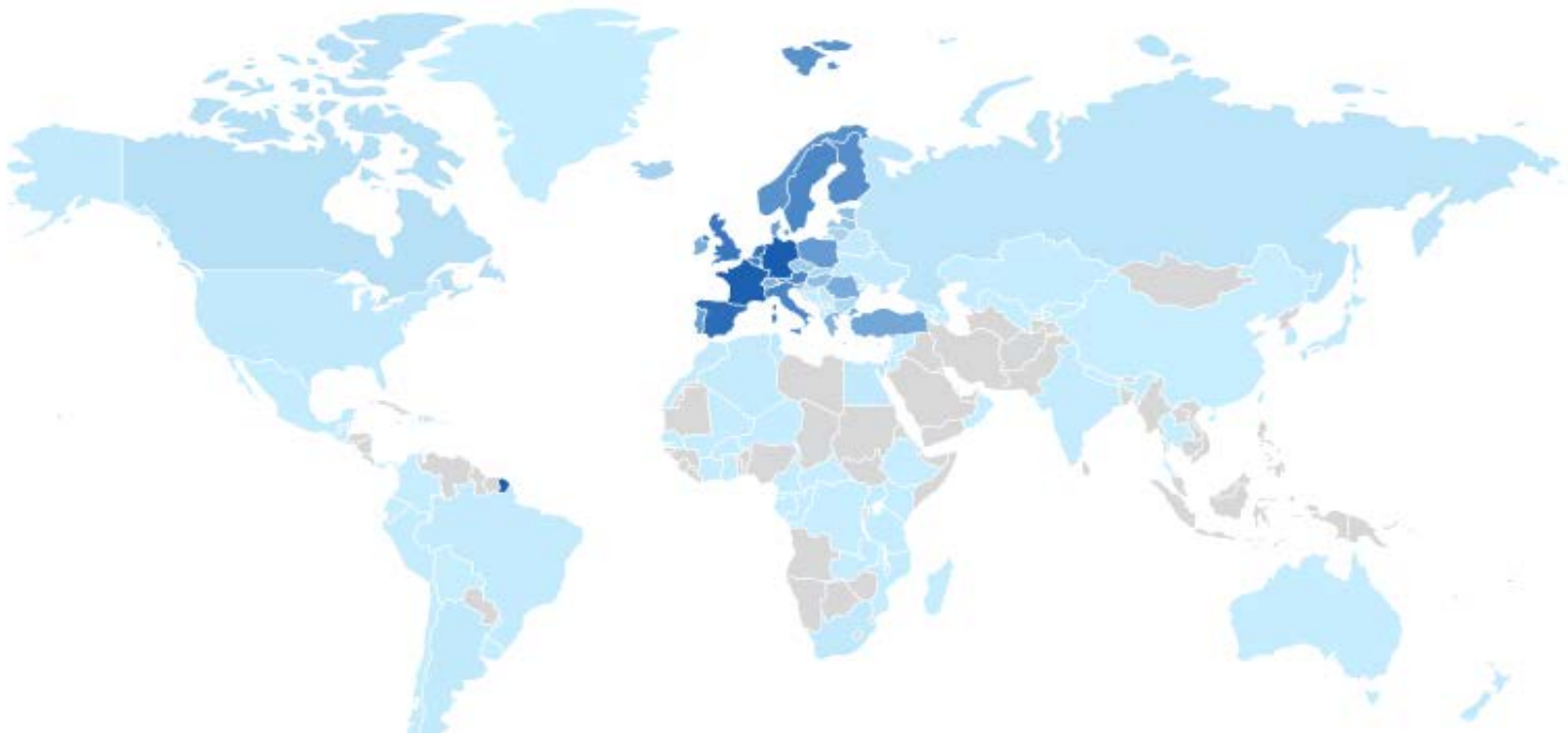
Number of P2P networks

Number of organisations

Number of Calls

Number of P2P networks coordinating

Number of funded projects





Calls for proposals: 500 calls since 2004

<https://www.era-learn.eu/network-information/call-calendar/>

Joint Calls Calendar

Note: The database of joint calls is work in progress. Data is displayed on the basis of input by the networks. Please contact us to display your calls: [office\(at\)era-learn.eu](mailto:office(at)era-learn.eu)

■ Pre-proposal submission
 ■ Full-proposal submission
 ■ Open for proposal
 ■ Evaluation period

Joint Call title	Previous 3 months / Today / Next 3 months											
	2017 Apr	2017 May	2017 Jun	2017 Jul	2017 Aug	2017 Sep	2017 Oct	2017 Nov	2017 Dec	2018 Jan	2018 Feb	2018 Mar
AAL 2 AAL PACKAGES/INTEGRATED SOLUTIONS												
BESTF3 11th Joint Call of ERA-NET Bioenergy and 1st Additional Call...												
CORE Organic Cofund CORE Organic Call 2016												
CoBioTech ERA CoBioTech "Biotechnology for a sustainable bioeconomy"												
DIAL Dynamics of Inequality Across the Lifecourse: structures and...												
E-Rare-3 9th JOINT CALL FOR EUROPEAN RESEARCH PROJECTS ON RARE DISEAS...												
EDCTP2 EDCTP-WHO/TDR Clinical Research and Development Fellowships												
ELSA (self-sustained) Ethical, Legal, and Social Aspects of Neuroscience												
EMEurope EMEurope Cofund Call												
EN-SUGI SUGI/FOOD-WATER-ENERGY NEXUS												



Funded projects: currently 2703 in the database

<https://www.era-learn.eu/network-information/overview-projects/>

Funded projects

Countries participating
Type
Funding Framework
Network status

Search ... Show entries

Project Acronym	Project Title	Call	Network	Project Start	Project End	No partners
BioFN	Biomarkers for Infant Fat Mass Development and Nutrition	Call for Joint Transnational Research Proposals: Biomarkers for Nutrition and Health	ERA-HDHL	2017-03-01	2020-03-01	3
CABALA_Diet&Health	Circulating Bile Acids as biomarkers of metabolic health - Linking microbiota, Diet and Health	Call for Joint Transnational Research Proposals: Biomarkers for Nutrition and Health	ERA-HDHL	2017-03-01	2020-03-01	5
DERIVE	Development of Riboflavin biomarkers to relate dietary sources with status, gene-nutrient Interactions and Validated health Effects in adult cohorts	Call for Joint Transnational Research Proposals: Biomarkers for Nutrition and Health	ERA-HDHL	2017-03-01	2020-03-01	4
Fecal-Calprotectin	Developing the Next Generation of Fecal Diagnostics	Eurostars Cut-Off 9	Eurostars	2013-03-01	2016-02-29	5
ALPHABET	Early life programming of childhood health: a nutritional and epigenetic investigation of adiposity and bone, cardiometabolic, neurodevelopmental and respiratory health	Call for Joint Transnational Research Proposals: Biomarkers for Nutrition and Health	ERA-HDHL	2017-03-01	2020-03-01	6
FAME	Fatty Acid Metabolism - Interlinking Diet with Cardiometabolic Health	Call for Joint Transnational Research Proposals: Biomarkers for Nutrition and Health	ERA-HDHL	2017-03-01	2020-03-01	5
		Call for Joint Transnational				



And much more information on P2Ps ...



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Welcome to ERA-LEARN 2020

ERA-LEARN 2020 is a support action (CSA) funded by Horizon 2020. It started in January 2015 as a support platform for the Public-Public-Partnerships (P2P) community.

[Learn more about ERA-LEARN 2020](#)

Public to Public Partnerships (P2Ps)

P2Ps align national strategies, helping to overcome fragmentation of public research effort. P2Ps (ERA-NETs, Article 185, Joint Programming) involve varying degrees of joint effort, such as the co-ordination and integration of national programmes, the implementation of joint calls with EC contribution, and high-level commitment to address a particular societal challenge.

[Read more](#)

Public to Public Partnerships (P2Ps) in numbers

[93 Active Networks](#)

[39 Active Joint Calls](#)

[110 Participating Countries](#)

[1247 Organisations](#)

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Open calls for transnational RTD projects

Calendar of joint calls launched by P2P networks



Latest news

12/04/2017

[New tools for ERA-NET-Cofund available](#)

09/03/2017

[Save the date: 26-27 September 2017 Foresight Training, Vienna](#)

07/02/2017



Thank you for your attention!

Any questions?

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DG Research & Innovation

Unit B2 – Open Science and ERA Policy