A strategic approach to ERA-Nets, infrastructures and other large-scale initiatives

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2018: ERA-NET Cofund, EJP Cofund & CSA

https://www.era-learn.eu/h2020-calls-for-p2p/2018-era-net-cofund-csa

Topic identifier & Title	Instrument	Budget	Call closure
Excellent Science			
Future and Emerging Technologies			
FETPROACT-03-2018: FET ERA-NET Cofund	ERA-NET Cofund	6M€	18 Dec 2018
FETFLAG-02-2018: ERA-NET Cofund for FET Flagships	ERA-NET Cofund	10M€	17 Apr 2018
Societal Challenges			
SC1 – Health, demographic change and wellbeing			
SC1-BHC-04-2018: Rare Disease European Joint Programme Co-Fund [RTD]	EJP Cofund	55M€	18 Apr 2018
SC1-HCO-04-2018: ERA-NET to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND) [RTD]	ERA-NET Cofund	5M€	18 Apr 2018
SC2 – Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy			
BG-02-2018 Blue Bioeconomy Public-Public Partnership (ERA-NET-Cofund)	ERA-NET Cofund	8M€	13 Feb 2018
SC3 – Secure, clean and efficient energy			
LC-SC3-JA-1-2018: Joint programming actions to foster innovative energy solutions	ERA-NET Cofund	10M€	11 Sept 2018
LC-SC3-JA-4-2018: Support action in preparation of a Joint Programming	CSA	1M€	31 Jan 2018
SC6 – Europe in a changing world - inclusive, innovative and reflective Societies			
GOVERNANCE-14-2018: ERA-Net Co-fund - Renegotiating democratic governance in times of disruptions	ERA-NET Cofund	3M€	13 Mar 2018
Spreading excellence and widening participation			
Planned: WIDESPREAD-02-2018: Support to JPI Urban Europe	CSA	1.5M€	15 Nov 2018

Review by:

- Pillar

- Priority area

- Instrument

- Budget

2019: ERA-NET Cofund, EJP Cofund & CSA

Topic identifier & Title	Instrument	Budget	Call closure
Societal Challenges			
SC2 - Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy			
LC-SFS-20-2019 European Joint Programme on agricultural soil management (COFUND-EJP)	EJP Cofund	40M€	23 Jan 2019
SFS-31-2019: ERANETs in agri-food	ERA-NET Cofund	21M€	23 Jan 2019
A. [2019] ICT-enabled agri-food systems			
B. [2019] Climate change and food systems			
C. [2019] International veterinary vaccinology			
SC3 - Secure, clean and efficient energy			
LC-SC3-JA-5-2019: Joint Programming with EU and African partners for a R&I actions in the area of renewable energy	EJP Cofund	15M€	27 Aug 2019
SC4 - Smart, green and integrated transport			
MG-4-6-2019: Supporting Joint Actions on sustainable urban accessibility and connectivity	ERA-NET Cofund	6M€	24 Apr 2019
SC5 - Climate action, environment, resource efficiency and raw materials			
SC5-21-2019-2020: ERA-NET Cofund action(s) for climate action, environment, resource efficiency and raw materials	ERA-NET Cofund	10M€	19 Feb 2019

Plan on an Annual or Multi-annual basis

P2P Networks

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

Review by:

- Pillar, Priority Area & Instrument

- Status

- Country

- Organisation

Country participating	**Type**	**Status**
No value ▼	No value ▼	Active Network

H2020 filter options

H2020-SC1 (Health, demographic change and wellbeing)

[Filter networks]   Show more filter options   Clear filter

Active filters

Funding Framework | Horizon 2020

Societal Challenges | H2020-SC1 (Health, demographic change and wellbeing)

Status | Active Network

Search ...

Show 25 ▼ entries

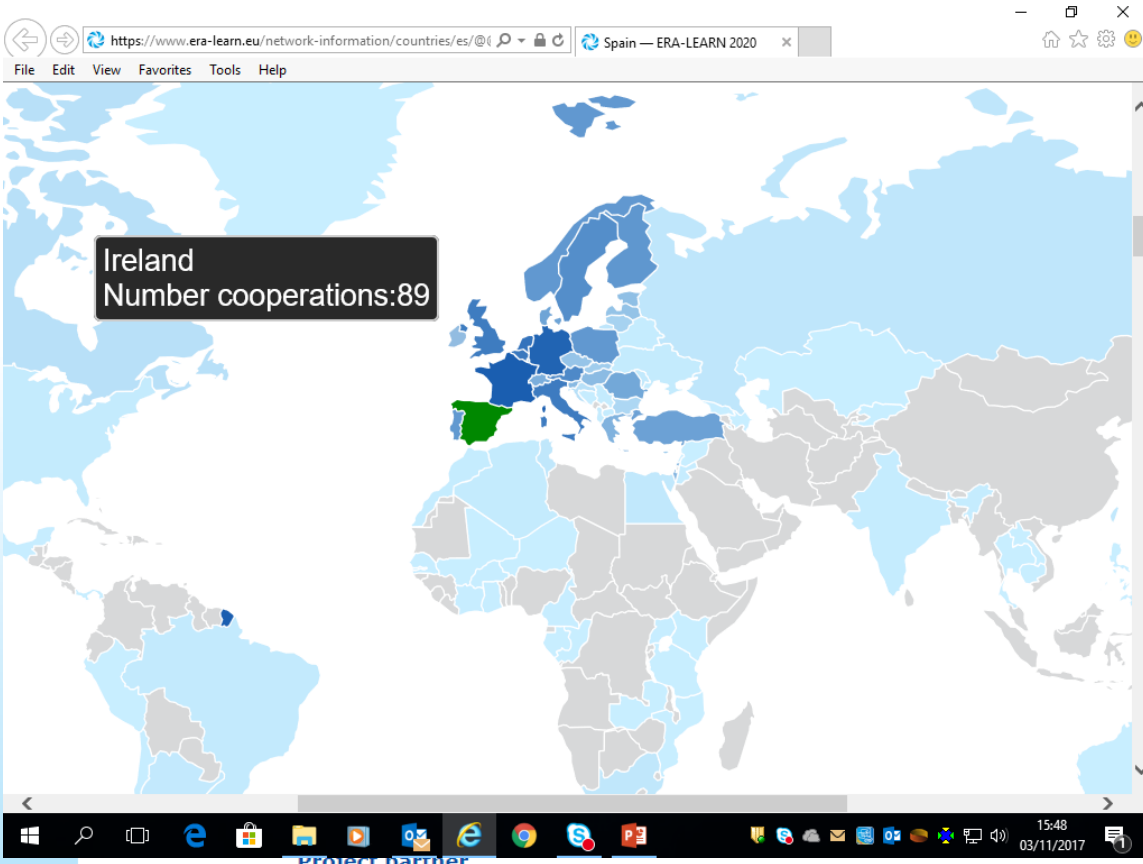| Acronym	Full Name	Start Date	End Date	Funding Framework	Network Type	Countries	Coordinator
HBM4EU	European Human Biomonitoring Initiative	01/01/2017	31/12/2021	Horizon 2020	EJP Cofund	25	UBA
NEURON Cofund	ERA NET NEURON in the area of brain-related diseases and disorders of the nervous system	01/01/2016	31/12/2020	Horizon 2020	ERA-NET Cofund	17	DLR
JPI-EC-AMR	ERA-NET for establishing synergies between the Joint Programming Initiative on Antimicrobial Resistance Research and Horizon 2020	01/11/2015	31/10/2020	Horizon 2020	ERA-NET Cofund	16	VR/SRC
ERA-CVD	ERA-NET on cardiovascular diseases to implement joint transnational research projects and set up international cooperations	01/10/2015	30/09/2020	Horizon 2020	ERA-NET Cofund	18	DLR
ERAcoSysMed	ERACoSysMed – Collaboration on systems medicine funding to promote the implementation of systems biology approaches in clinical research	01/01/2015	31/12/2019	Horizon 2020	ERA-NET Cofund	13	PTJ/FZJ

Joint Calls and Funded Projects
https://www.era-learn.eu/network-information/jointcalls

Get into the detail

Ireland
Number cooperations:89

...ces with status, gene-nutrient Interactions and

...eveloped world, because of the reliance on dietary data only in nutrition surveys,
...s for use in population surveys globally, and by demonstrating important functional,
...is unique partnership of scientists from three jurisdictions brings together Canadian,
...nd functional effects that influence health, including hypertension, a leading cause
...eted as a global strategy rather than one that is population specific. The partners are
...ada; Albert Flynn, University College Cork, Ireland and Peter Weber, DSM Nutritional
...the JINGO initiative http://www.ucd.ie/jingo/) and data from one the most
...ell as bio-banked specimen and data from the BC Generations Project
...h platform for the study of disease causation.

Project partner

Number	Short Name	Name	Role	Country
		University of Bonn	Observer	Germany
1		Ulster University	Coordinator	United Kingdom
2		University of British Columbia	Partner	Canada
3		School of Food & Nutritional Sciences, University College Cork	Partner	Ireland

Thematic clustering of ERA initiatives

https://www.era-learn.eu/network-information/thematic-clustering

ERA-NET COFUND	ERA-NET (FP6/FP7)	ERA-NET+ (FP7)	ARTICLE 169/185	JPI	CSA	ETP	JTI	EUREKA	PPP	EIT - KICS	EIP	FET - FLAGSHIPS	EJP COFUND
act	era-caps (self-sustained)	bestf	empir	jpi climate		biofuels	fch	eurogia2020	energy-efficient buildings	kic innoenergy	smart cities and communities		
bestf3	oceanera-net	bestf2	eurostars 2	jpi oceans		photovoltaics			factories of the future				
demowind		core organic plus		jpi urban europe		rhc							
demowind 2		newa				snetp							
en-sugi		woodwisdom-net+				smartgrids							
enscc						tp ocean							
ensuf						tp wind							
era-gas						zep							
era-net smartgridplus													
geoera													
geothermica													
m-era.net 2													
oceanera-net cofund													
solar-era.net cofund													

Example: ENERGY

- **Example [BiodivERsA Database](#)**
  - A comprehensive **'map' of the current state of research on biodiversity and associated ecosystem services in Europe in terms of projects, programmes and funding,** to improve the identification of existing gaps and future needs for new research programmes, new facilities, as well as detecting potential barriers for successful cooperation.

- **Example [BiodivERsA Strategic analysis](#)**
  - BiodivERsA has used the BiodivERsA database **to analyse selected features of the European funding landscape for biodiversity research.** BiodivERsA mainly focused on the funding derived from the Framework programme at the European scale, and on BiodivERsA's funding agencies at the national one; these represent major players in funding research within their countries. Though such an analysis does not allow for a complete cross-country comparison, it can still elucidate some major trends in the funding of biodiversity research in Europe.

Alignment of national/regional activities under common research agendas

Definition & typology

Toolbox of current and novel alignment modalities

synthesises the lessons learned from the case studies

describes specific alignment actions or instruments in practical terms: key benefits and weaknesses and the success factors necessary to ensure effective implementation and impact

case studies

current approaches

novel modalities

trans-regional perspective

16 case studies

e.g. Process towards a Common Position on Alignment in Austria

SWOT analysis

based on the assessment criteria developed for the national level and the regional level

illustrates potential future benefits and risks of each specific alignment modality, under given contexts (governance, institutional, operational)

- **CURRENT APPROACHES**
  - 1. FACCE-JPI's Knowledge Hub for Modelling European Agriculture with Climate Change for Food Security (MACSUR)
  - 2. European Metrology Research Programme (EMRP) Article 185 Initiative's Joint Research Proposals
  - 3. Infravation ERA-NET Plus' Real Common Pot Approach
  - 4. Network for Humanities in the European Research Area (HERA)
  - 5. JPI Oceans' Shared Research Vessel
  - 6. FACCE-JPI's Joint Mapping Meetings
  - 7. Open Access Infrastructure for Research in Europe (OpenAIRE)
  - 8. Network of Centres of Excellence in Neuro-Degeneration (CoEN) – JPND
  - 9. JPI Climate's Updated Strategic Research and Innovation Agenda

- **NOVEL MODALITIES**
  - 1. European Energy Research Alliance (EERA) as a case for institutional alignment
  - 2. ERA-NET Cofund 'The European network for observing our changing planet' (ERA-PLANET)
  - 3. ERA-NET Cofund 'European Research Area for Climate Services' (ERA4CS)
  - 4. Process towards a Common Position on Alignment in Austria
  - 5. Alignment of national AAL Programmes – practical implementation from the Austrian perspective
  - 6. New York University Center for Urban Science and Progress
  - 7. Electronic Components and Systems for European Leadership (ECSEL JU)

- **REGIONAL**
  - 1. NordForsk
  - 2. BONUS Article 185
  - 3. EDCTP Article 169/185
  - 4. CERIC-ERIC
  - 5. The Vanguard Initiative
  - 6. The DACH Agreement and the Lead Agency Procedure
  - 7. The BLUEMED initiative

Other Analytical Activities

- Monitoring and Impact Assessment
  - **Guide for P2P impact assessment**
  - Updated **Policy Brief on the Impacts of Networks 2016**

- Reference library
  - Mature networks e.g. BiodivERsA, ICT-AGRI
  - Organisations e.g. Academy of Finland

- Events and publications
  - 15 Years of European Public-Public Partnerships in Research & Innovation
  - Workshop: Implementing ERA-NET Cofund

- Mapping tools for participating programmes

- Tools for internal review of participation in networks

https://www.era-learn.eu/

Criteria for evaluation

NETWORK

- Complementarity to other instruments (FP7, Eurostars, national, regional, bilateral)
- National added value - critical mass of clients, need for international network
- Long-term perspective - maturity of network, sustainability, suitability of the instrument in a specific area
- Commitment – own, others, coordinator
- Consortium (composition) - appropriate countries (competence, competition or collaboration), relevant programmes available
- Joint calls – efficiency, national acceptance of joint call decision processes, interaction with other networks (other ERA NETs, EUREKA, ETPs)
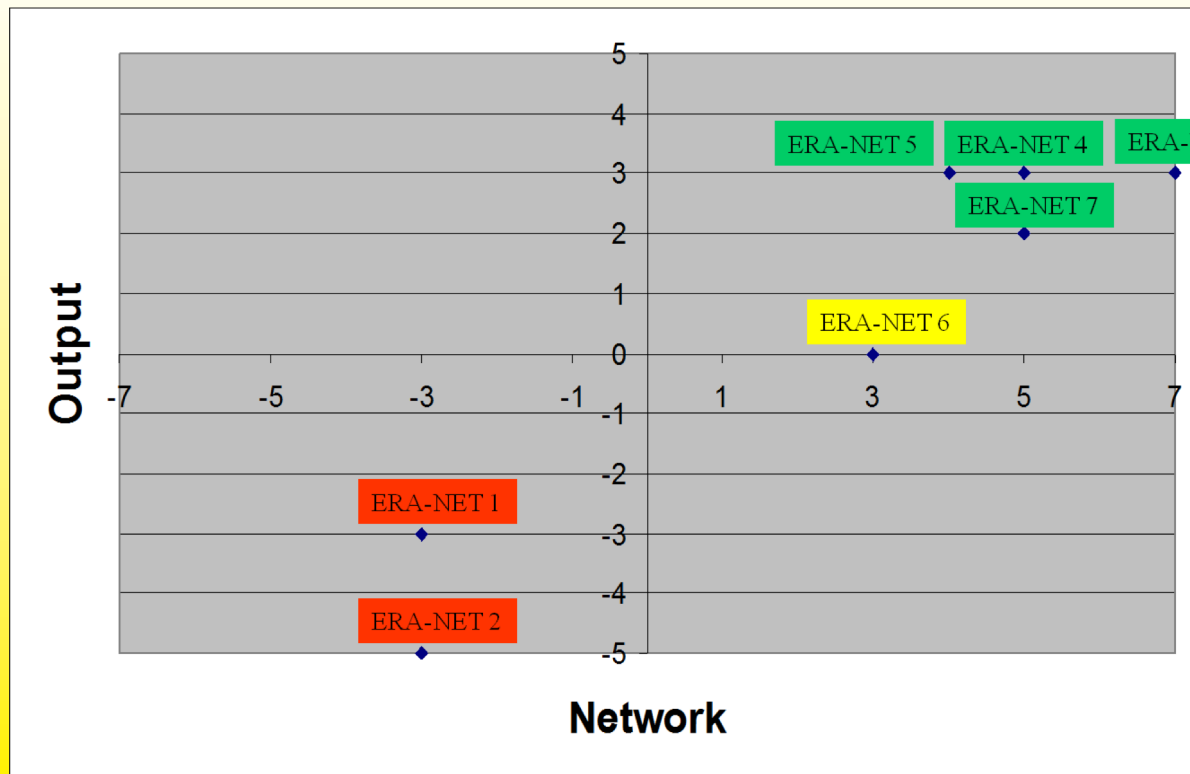
OUTPUT

- Calls - real output vs. expected output (response of target group, client satisfaction with calls, minimum output reached (each agency defines own)
- Other activities (e.g. training, technology transfer, other support measures) – agency satisfaction, client satisfaction
- Learning effects - impact on internal programme design, impact measurement strategy
- Cost/benefit ratio - total overhead in joint calls acceptable compared to overhead for similar national/international projects, return from effort required by staff to run the ERA NET meets agency expectations

⇒ -Total score NETWORK
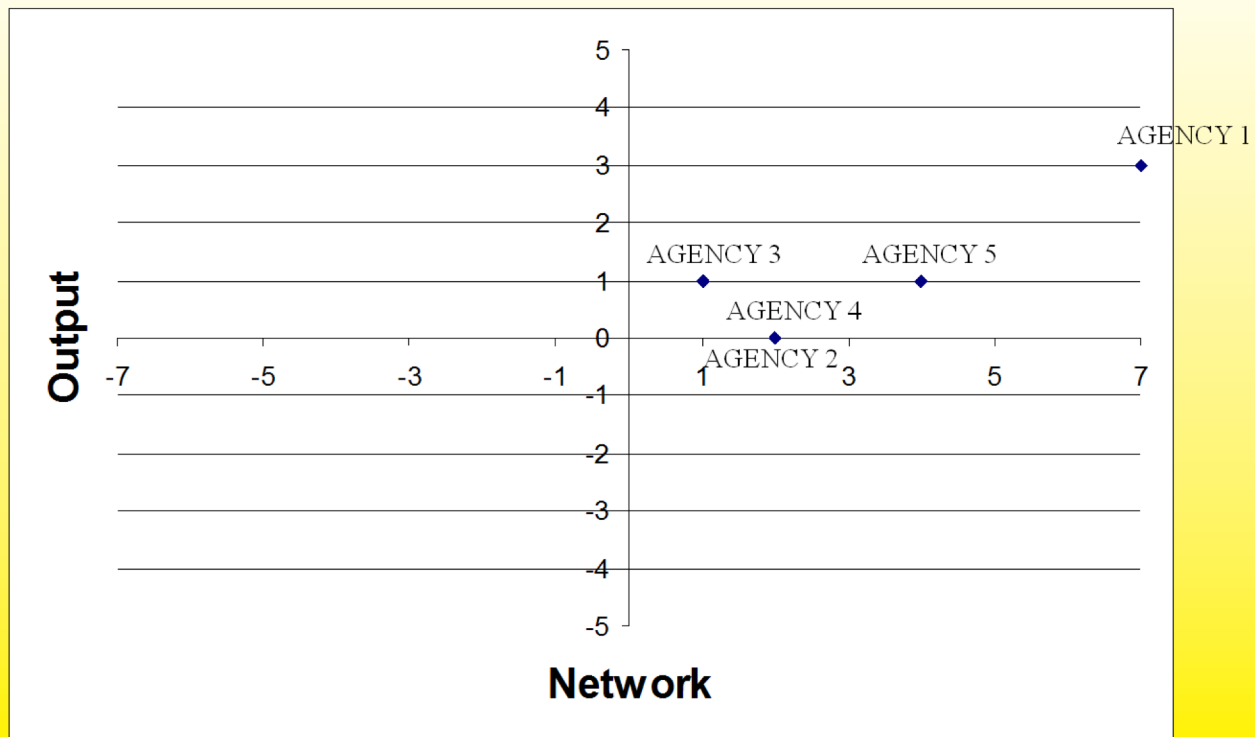-Total score OUTPUT

Portfolio analysis

Agency A

Network analysis

ERA-NET 3

IRELAND on ERA-LEARN

- No of networks involved: 113
- No. of networks involved as a coordinator: 2
- No. of Joint Calls involved in: 144
- No. of organisations involved in networks: 28
- No. of funded projects: 72

Department of Agriculture, Food and the Marine	13
Enterprise Ireland	12
Environmental Protection Agency Ireland	8
Agriculture and Food Development Authority Teagasc	7
Higher Education Authority	7
Marine Institute	7
Science Foundation Ireland	7

- Co-funding of regional, national and international programmes that finance fellowships involving mobility to or from another country

- 2015-2017: 9 Cofunds

- Researchers: 287

- Total cost: €49.25M
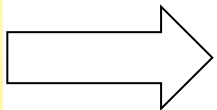
- European Contribution: €23.87M

H2020-MSCA-COFUND Project Managers Ireland

ENTERPRISE IRELAND – CAREER-FIT

- Experienced researchers develop careers in market focused applied research

  - interdisciplinary, intersectoral, international -

- In Ireland's Technology Centre programme

- Aligned with Smart Specialisation Strategy

- Direct relevance to industry agendas

- Structured training programme relating to innovation management

An investment in PEOPLE by an Enterprise Development Agency