



Horizon 2020

What you always wanted to know – ERA tools for Public-Public Partnerships

Jörg NIEHOFF

DG Research & Innovation

Dir. B – Innovation Union and
European Research Area

Unit B2 – ERA Policy and Reform

*Research &
Innovation*

P2Ps Resources, actors and modes of implementation	Competitive funding (Research funders)	Institutional funding (Research organisations)	Other programmes (variety of actors)
Transnational activities	<p>Transnational research and innovation projects</p> <p>ERA-NET Cofund: Strong support to preparation and implementation</p> <p>Thematic calls under H2020</p>	<p>Transnational research and innovation projects</p> <p>ERA-NET Cofund: Weak support to preparation and implementation</p>	<ul style="list-style-type: none"> Joint research agendas and implementation plans CSA Transnational Mobility Marie Skłodowska-Curie Cofund Common infrastructures incl. data ESFRI Joint procurement ... <p>PCP-PPI Cofund</p>
<p>Article 185 / European Joint Programme Cofund: Possible strong support to implementation for a broad range of activities</p>			
Coordinated/aligned national activities	<p>National calls for proposals are aligned to P2P priorities in a coordinated way COST</p> <p>ERA-NET Cofund: Little support to preparation, <u>no</u> support to implementation</p> <p>CSA: Possible strong support to preparation, <u>no</u> support to implementation</p>	<p>National research priorities for (governmental) research organisations</p>	<ul style="list-style-type: none"> National research agendas and implementation plans No H2020 support Mobility Procurement National infrastructures and access to it ...

ERA-NET Cofund – main features

ERA-NET Cofund: implementation of a co-funded joint call for proposals (compulsory, one co-funded call per Grant Agreement)*

EU contribution: mainly a proportional contribution to total public funding of the joint call

Additional EU contribution to coordination costs on the basis of a unit costs for additional activities including additional calls without top-up funding

Stable reimbursement rate: ERA-NET Plus reimbursement rate from FP7 (33%) applies

Co-funded calls: proposal evaluation and selection according to Horizon 2020 standards

* ERA-NETs based on a Coordination and Support Action (CSA) are no longer possible. Only in exceptional cases it might be considered to support the preparation and structuring of specific emerging P2Ps that demonstrate clear European added value.

A. Implementation of a single joint call (MS contribution in cash)

- Call for proposals organised by national/regional funding agencies
- Activities: call preparation, implementation and follow-up
- **Eligible costs:** financial support paid to third parties

B. Implementation of a single joint call (MS contribution in cash) and additional activities

- Call and activities as in A.
- Additional joint activities including additional joint calls without Union top-up funding.
- **Eligible costs:** financial support paid to third parties and coordination costs for additional activities (unit costs per beneficiary per year).

C. Implementation of a single joint call (MS contribution in kind)

In exceptional cases

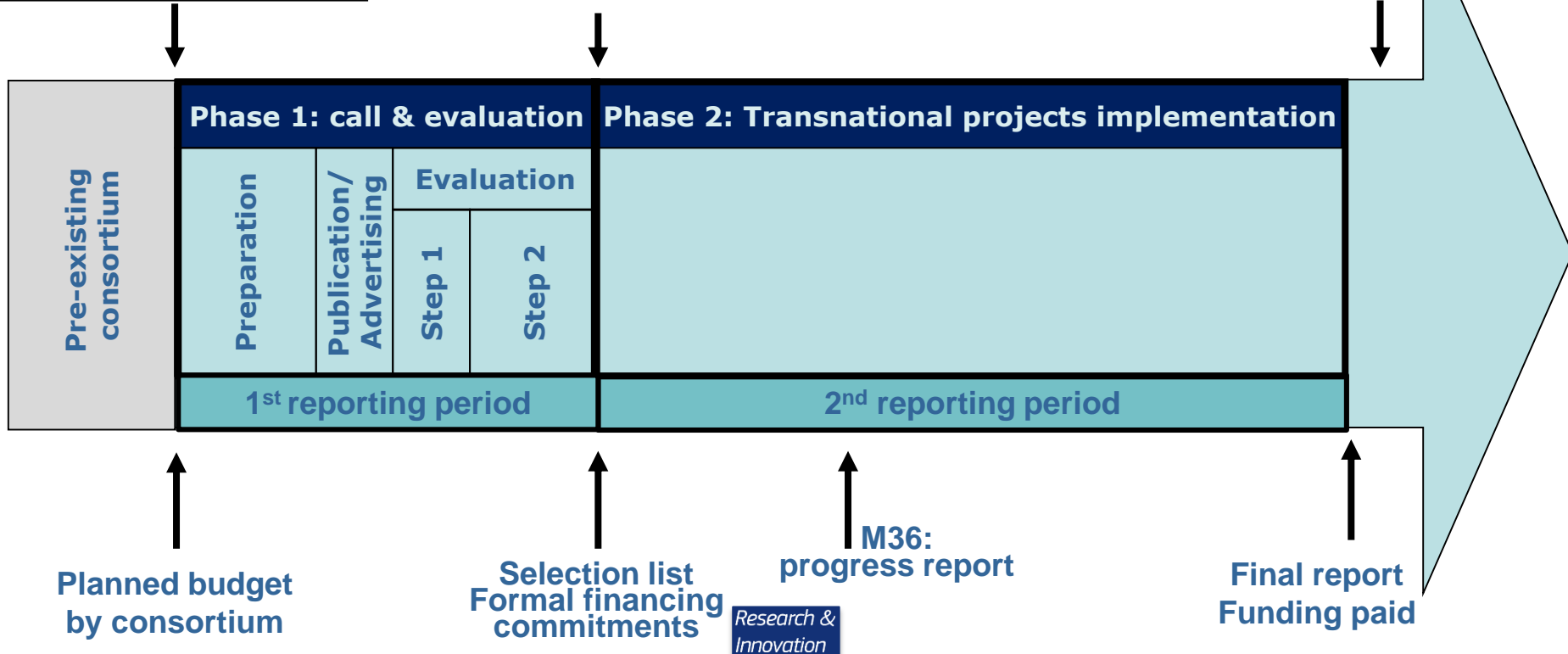
- Call for proposals organised by governmental research organisations
- Beneficiaries carry out the projects resulting from the call themselves
- **Eligible costs:** costs of trans-national projects on the basis of Horizon 2020 rules
- In-kind contributions: non-reimbursed expenditure

Default: 2 reporting periods

ERA-NET Cofund GA
Commitment: planned
call budget (initial
national commitments)
1st Pre-financing (10%)

2nd Pre-financing based
on actual requested
funding following call
evaluation results
80% of EC contribution

Payment of the balance
on the basis of financial
support paid to third
parties, according to
national funding rules



ERA-NET Cofund in WPs 2014 until 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



European Joint Programme (EJP) Cofund

EJP Cofund under Horizon 2020 is a co-fund action designed to support coordinated national research and innovation programmes. The EJP Cofund aims at attracting and pooling a critical mass of national resources on objectives and challenges of Horizon 2020 and at achieving significant economies of scales by adding related Horizon 2020 resources to a joint effort.

- **'Critical Mass' – a stepping stone towards consolidation of transnational research**
 - Budget; ambition; existing transnational platforms
 - Mainly direct activities of the consortium, call for proposals possible
- **Public-public funding**
 - Eligibility: specifically mandated research programme owners and managers
 - Flexible reimbursement rate (up to 70%)
- **Annual Programming of Joint Activities**

European Joint Programme - main features

Implementation of a joint programme of activities, ranging from research and innovation to coordination and networking activities, including training activities, demonstration and dissemination activities, support to third parties etc.

- Wide range of possible activities
- Direct consortium activities and/or (single or multiple) calls for proposals for financial support to third parties
- Level of ambition of the participants in the proposed action to pool national resources are evaluated under the Excellence criterion
- Critical mass in terms of proposed overall budget, maturity and degree of integration in the proposed research area are evaluated under the Impact criterion

European Joint Programme

Specific provisions

- Annual Work Plan to be submitted with proposal and as deliverable prior to each successive reporting period (subject to Commission approval)
- Fixed reimbursement rate indicated in the Work Programme (applied to the overall pool of all eligible direct and indirect costs)
- Fixed 5-year duration with 12-month reporting periods
- Possibility of two pre-financing payments to provide adequate float in case of very large programmes

Critical issues

- Budgeting: Commitments need to come from a single year
- Readiness of the targeted community (public programmes) to build up a joint programme and commit to its implementation
- Mix of activities needs to be carefully reflected in the calculation of our reimbursement rate
- Financial support to third parties (cascading grants) constraint due to the 5-year duration
→ projects have to be finalised and grants to be paid!

**WP 2016-17 foresees two pilot actions:
"Human Biomonitoring Initiative" and
"One Health" (zoonoses – emerging threats)**

Art. 185 initiatives - Legal framework

Legal texts

- Art. 185 TFEU
- Financial Regulation
- Art. 26 of the Horizon 2020
- Horizon 2020 Rules for Participation and Dissemination

For each Article 185 initiative

- Decision adopted through the ordinary legislative procedure
- Delegation agreement: tasks entrusted to the Dedicated Implementation Structure (DIS), rules and procedures for providing Union financial contribution, protection of the financial interests of the EU, etc.

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 (contractual relationship for 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.)	EU Commitment 2014, 2015	Participating States
European and Developing Countries Clinical Trials Partnership 2 (EDCTP2)	€ 683 m	€ 14,400 m € 71,765 m	€ 683 m
European Metrology Research Programme (EMPIR)	€ 300 m	€ 25,000 m € 40,000 m	€ 300 m
Eurostars2 (for SMEs)	€ 287 m	€ 25,000 m € 32,000 m	€ 861 m
Active and Assisted Living R&D Programme (AAL2)	€ 175 m	€ 17,982 m € 15,671 m	€ >175 m

Commission proposals for PRIMA and BONUS2 might follow at a later stage, subject to approval of Inception Impact Assessment (BONUS) and outcome ex-ante Impact Assessments.

Art.185: Default approach under Horizon 2020 for new initiatives

Rules for participation apply, e.g.

- Funding rules
- Conditions for participation (in projects, NOT to be confused with participation at programme level)
- Eligibility for funding (MS, AC, 3rd countries)

Central grant management by the DIS, Model Grant Agreement based on H2020 MGA

Cash contributions by participating states, in-kind contributions if justified by the nature of the initiative

Art.185: Role of the Member States / Participating States

- Proposal for their programme
- Clear financial commitments with the programme proposal, during negotiation, for each annual work plan
- Designate the Implementation structure
- Demonstrate capacity to implement (successful ex-ante assessment)
- Establish governance model in accordance with basic act
- Provide guarantees (several and joint liability, unlimited and unconditional)
- Annual Work plan: draft, adopt (after COM approval) and implement
- Annual reporting, declaration of assurance etc.

Art.185: Role of the Commission

- Ex-ante impact assessment
- Design and adopt the proposal for the Art.185 initiative
- Ex-ante assessment of the DIS
- Conclusion of Delegation Agreement and annual transfer of funds agreements
- Observer in the governance structure of the Art.185 initiative
- Approval of Annual Work Plan and Financing Decision (annually)
- Interim and final evaluation
- Supervision

Art.185: indicative time line

Action	Timeline
Impact assessment (IA) Draft roadmap, Expert group, Interservice Group, Public consultation (survey and meeting), COM Impact Assessment draft report, Impact Assessment Board, Finalise IA	M1 – M12
Preparation and adoption Commission Proposal (Commission decision, annexes, IA)	M6 – M16 (normally not before interim evaluation H2020)
Co-decision procedure (ordinary legislative procedure)	M16 – M25
Formal Publication OJ, entry into force	M28
Ex-ante assessment DIS	M29 – M34
Conclusion Delegation Agreement	M36
COM Decision (Approval AWP, financing decision)	M36
Formal start of the initiative	M36
Publication of first calls	Year 4
Projects starting	Year 4/5

Investments in Joint Calls

Total public funding [Euro million]	ERA-NETs	of which cofunding for JPIs	JPIs	Art.185s	Total
2004 - 2011	1.689		33	1.058	2.780
2012	187		24	226	437
2013	344		73	222	639
2014	381	24	58	242	681
2015	264	105	63	209	536
2016	646	123	-	380	1.026
Total	3.511	252	251	2.337	6.099

Public spending for R&D in Europe

Total civil R&D appropriations 2014:	Euro 88 billion
Framework Programme:	≈ 12%
Share of national <u>competitive</u> funding: (ERA-progress report)	64%
Share of national <u>competitive</u> funding: (latest Eurostat figures)	33%

→ Framework Programme provides probably more than 35% of competitive funding in Europe

→ Limited availability of cash funding for JPIs and other P2P

	ERA-NET Cofund	EJP Cofund	Art.185
Main activities	Single transnational call for proposals with Union cofunding	Direct research, demonstration and coordination activities	Multiple transnational calls for proposals
Other activities	Possibility to include additional activities incl. additional joint calls in a variable geometry	Possibility to include a limited number of calls for proposals, e.g. by including RFOs	To be defined in the basic act, if justified by the nature of the initiative
Beneficiaries / recipients of EU contribution	Typically RFOs RPOs in exceptional cases Mandated by PS	Typically RPOs RFOs in addition Mandated by PS	Designated Implementation Structure (indirect management)
Participating States (PS) contribution	Normally cash, possibility to allow for in-kind ERA-NETs with RPOs	Normally in-kind, but possibility to include cash contributions from RFOs	Defined in the basic act, normally cash, in-kind contributions if justified by the nature of the initiative
Union contribution	Reimbursement rate set at 33%	Reimbursement rate set in the WP, maximum 70%	Defined in the basic act, in most cases matching the contributions of PS
Duration	5 years	5 years	Typically 10 or more years, with Union contribution over up to 7 years
Establishment	WP H2020	WP H2020	COM Proposal incl. ex-ante Impact Assessment, Decision of Council and EP
Other issues	Can be used to prepare for Art.185 (examples: EMRP/EMPIR, BONUS)	Could be used to prepare for Art.185	Conditional to a dedicated implementation structure Commitment for strong financial, management and scientific integration

Thank you for your attention!

Any questions?

Contact

Jörg Niehoff

joerg.niehoff@ec.europa.eu

DG Research & Innovation
Head of Sector Joint Programming
Unit B2 – ERA Policy and Reforms