

12th UNICA EU RESEARCH LIAISON OFFICERS MEETING

SESSION 2: HORIZON 2020 SPREADING EXCELLENCE AND WIDENING PARTICIPATION TEAMING

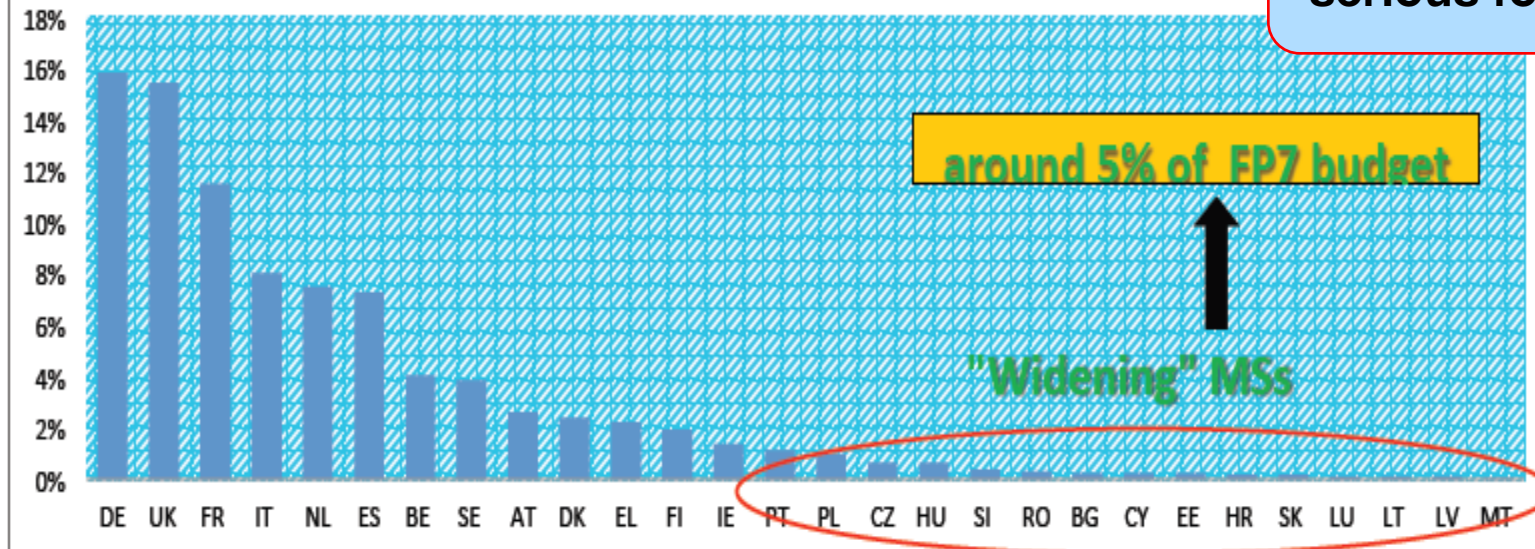
Diana Pustuła, University of Warsaw

Brussels, 7.11.2017

FP7 country participation

FP7 Budget Share per country %

Dramatic & serious for ERA



"Low RDI Performing" or "Widening" Countries:

MS: Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia and Slovenia

AC: Albania, Bosnia and Herzegovina, Faroe Islands, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Serbia, **Turkey** and Ukraine

HORIZON 2020

Excellent Science

European Research Council

Future and Emerging Technologies

Marie Curie Actions

Research Infrastructures

Industrial Leadership

Leadership in Enabling & Industrial Technologies

- > Information and communication technologies
- > Nanotechnologies
- > Advanced materials
- > Biotechnology
- > Advanced manufacturing and processing
- > Space

Access to Risk Finance

Innovation in SME

Societal Challenges

- > Health, Demographic Change and Wellbeing
- > Food security, sustainable agriculture, marine and maritime research and the bio- economy
- > Secure, clean and efficient Energy
- > Smart, Green and Integrated Transport
- > Climate Action, Resource Efficiency and Raw Materials
- > Europe in a changing world: Inclusive, Innovative and Reflective Societies
- > Secure Societies - Protecting Freedom and Security of Europe and its Citizens

Joint Research Centre (JRC)

Widening Participation

Science with & for Society

European Institute of Innovation and Technology (EIT)

Joint Programming P2P

Joint Technology Initiatives P2B

Spreading Excellence and **Widening Participation** in Horizon 2020



- » Over €816mn for **Widening** until 2020
- » **Increase participation rates** in low R&I performing countries
- » Facilitate **new partnerships** with leading international institutions
- » **Increase capability** to compete for international research funding



teaming

Create centres of excellence

Institution-building

PHASE 1: 31 projects funded – €14.1mn

PHASE 2: 10 projects funded – €140mn



twinning

Link up with leading counterparts

Institutional networking

67 projects funded – €67.3 mn



era chairs

Attract outstanding academics

Excellence to institutions

14 projects funded – €34 mn

Teaming means
institution building.

Teaming projects
create new or update
existing **centres of**
excellence in
Widening countries
through a coupling
process with a leading
scientific institution.

Twinning stands for
institutional
networking.

A twinning project
strengthens a
specific field of
research in an
emerging institution in
a Widening country.
It links the institution
with at least two
internationally leading
counterparts in
Europe.

ERA Chairs stands for
excellence to
institution.

ERA Chairs projects
bring outstanding
academics, with
proven research
excellence and
management skills, to
universities and
research institutions
in Widening countries
with potential for
research excellence.



Teaming objective in H2020

- Creation of new (or significant upgrade of existing) Centres of Excellence in low R&I performing or "Widening" countries

The Partnership: 2 parties in each Teaming project

- (1) the COORDINATOR from a "Widening" country (must be a national/regional authority, research funding agency, university or res. organisation)
- (2) a university or res. organisation with an international reputation in R&I excellence (from all EU28 or AC)

➤ **Implementation in 2 Phases**



Teaming: Scheme Design

Phase 1: Funding the development of a **Business Plan** for the new/upgraded Centre of Excellence facilitated by a teaming process with a leading counterpart in Europe

Proposals (Phase 1):

- Demonstrate the long-term science and innovation strategy of the future Centre
- Outline how this strategy broadly fits with the RIS3 of the Widening country
- Demonstrate that the project is based on a true joint venture between the parties

Phase 2: Subject to the quality of the Business Plan (converted to a proposal), and the financial commitment for the project from other sources, the Commission may provide further substantial financial support for the **first steps of implementation** of the Centre

Proposals (Phase 2):

- Business Plan (converted to a proposal) with robust financial commitments (national/ESIF/private funds)

➤ **IMPORTANT:** Access to Phase 2 is only available to those proposals already supported in Phase 1!



Teaming 2014 Call: key stats

- **167** eligible proposals submitted from 20 countries (15 MS & 5 AC)
- Requested budget: **€73.8M** with €11.85M foreseen in the WP
- Average requested EU contribution per proposal: **€ 430.000**
- **31** proposals selected for funding from 14 "Widening" countries
- Most funded proposals in the area of **Physics & Chemistry** and **Medicine & Life Sciences**
- **Frequent 'advanced' partners** in proposals: DE (136) and UK (67)
- **Successful 'advanced' partners** - DE (21), AT (6), FI (6)

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Teaming: Analysis of proposals by country

Phase 2

	Member States	Proposals received	Proposals funded	Advanced partners (proposals received)
1	Bulgaria	11	2	AT, BE, DE, DK, HR, HU, IL, IT, SE
2	Croatia	6	0	AT, BE, CH, DE, ES, FR, IT, NL, UK
3	Cyprus	14	3	AT, CH, DE, ES, EL, FR, IL, IT, NL, PT, SE, UK
4	Czech Republic	10	3	AT, DE, CH, IT, UK
5	Estonia	5	2	ES, FI, UK
6	Hungary	9	3	AT, BE, DE, ES, NL, UK
7	Latvia	7	1	AT, CH, DE, DK, ES, FI, FR, IT, NL, SE
8	Lithuania	3	1	DE, DK, FR, FI, IE, SE, UK
9	Luxembourg	1	0	FR
10	Malta	5	1	DE, NL
11	Poland	19	3	BE, CZ, DE, DK, EL, FI, FR, LU, NL, SE, SL
12	Portugal	9	4	AT, BE, DE, NL, UK
13	Romania	24	1	AT, BE, CH, CZ, DE, DK, ES, IE, FR, IL, IT, HU, NL, PT, SE, UK
14	Slovakia	13	4	AT, BE, DE, EL, ES, IE, IT, FI, FR, NL, SK, UK
15	Slovenia	11	2	AT, CH, DE, ES, FR, IT, SE
	Total MS	147	30	
	Associated Countries			
1	Albania	1	0	ES
2	Faroe Islands	1	0	DE, UK
3	Montenegro	1	0	IT, SL, RS
4	Serbia	15	1	CZ, DE, EL, ES, IE, IT, NL, PL, SL, UK
5	Turkey	2	0	AT, DE, EL, IT
	Total AC	20	1	
	Grand Total	167	31	

Countries
 BG
 CY
 CZ
 2 HU
 LV
 PT
 RS
 SI
 SK
Total 10

12



Teaming under the 2016-17 WP

Phase 1 Call : Business Plan for a Centre of Excellence (CoE)

Budget: €12 million
Call publication: 14 October 2015
Call opening: 28 July 2016
Call deadline: 15 November 2016
Project Size: €400,000 (eligibility condition)
Project Duration: 12 months (eligibility condition)
Funding for: Business Plan
Implementation: Coordination and Support Action

Phase 2 (Restricted) Call in 2018: Start-up/Implementation of the CoE

Project size & duration: ~ €15 million & 5-7 years
Implementation: Coordination and Support Action
Funding for: Substantial support for the start-up phase of the CoE (administrative, personnel and operational costs as well as very limited support for equipment and consumables)

GRANT AGREEMENT DATA SHEET



- *GrantAgreement (GA) No: 763798*
- Acronym: ENSEMBLE3
- Title: Centre of Excellence for nanophotonics, advanced Materials and novel crystal growth-Based technologies
- Call/Topic: Teaming Phase 1
- Type of action: Coordination and support action
- Duration (in months): 12
- Starting Date: 1 September 2017

List of participants

Participant No	Participant organisation name	Short name	Country
1 (Coordinator)	National Centre for Research and Development	NCBR	POLAND
2	Centre of New Technologies, University of Warsaw	CeNT-UW	POLAND
3	Institute of Electronic Materials Technology	ITME	POLAND
4	Sapienza University of Rome	Sapienza	ITALY
5	Karlsruhe Institute of Technology	KIT	GERMANY
6	Cooperative Research Center NanoGUNE Consolider	NanoGUNE	SPAIN



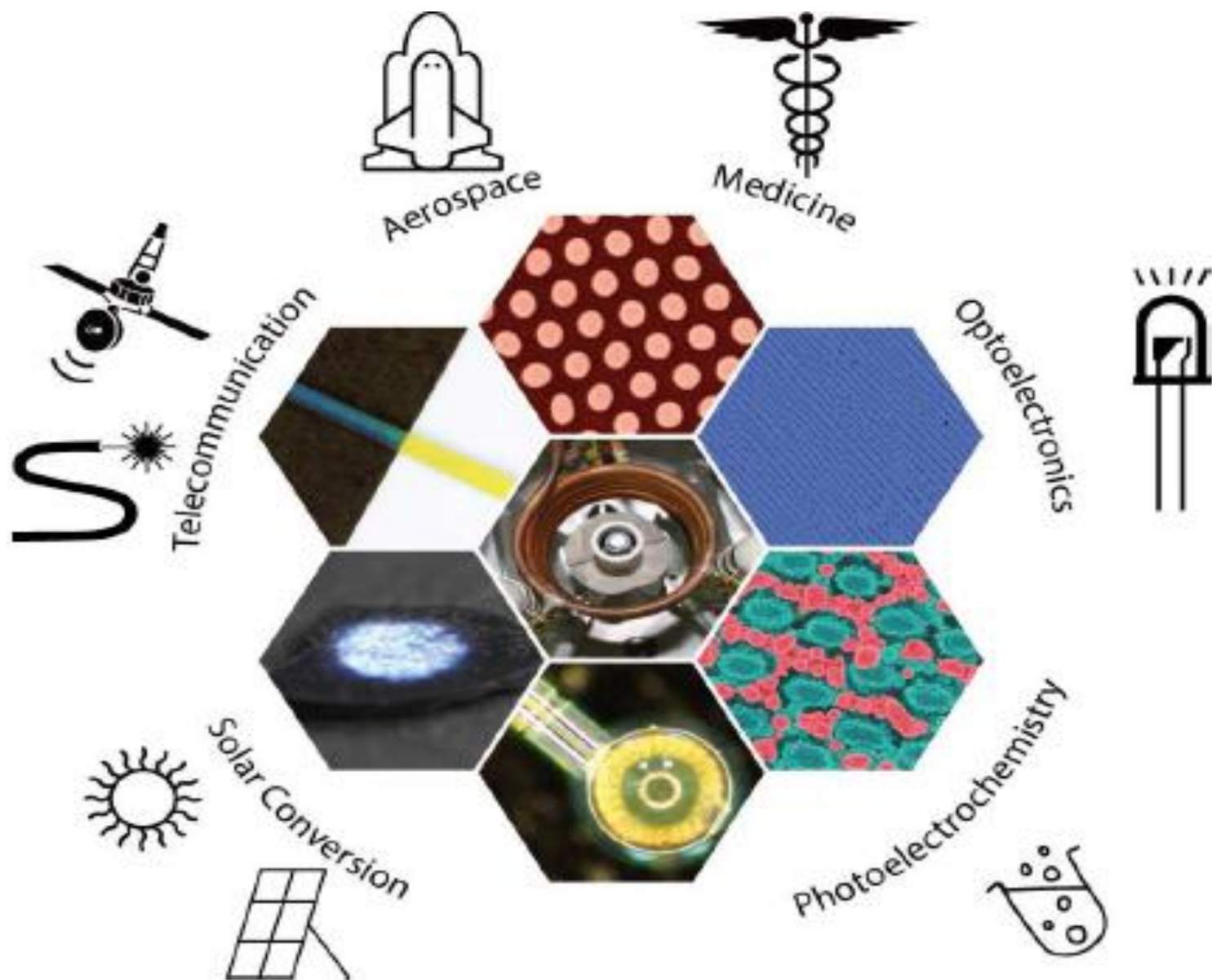


Figure 2. The application areas ENSEMBLE³ will address.

- **In Phase 1**, funding is provided to develop a **business plan** for the future centre in line with the host **region's** smart specialisation strategy (up to 400 000 €, 12 months).
- **In Phase 2**, selected Phase 1 proposals receive financial support to **start implementing the future centre** (up to 15 mln €, 5-7 years).

Topic: **WIDESPREAD-01-2018-2019: Teaming Phase 2**

Forthcoming

Publication date: 27 October 2017

Types of action: CSA Coordination and support action

DeadlineModel: single-stage

Opening date: 15 May 2018

Deadline: 15 November 2018 17:00:00

Time Zone : (Brussels time)

Opportunities & benefits – Widening partner

- Upgrading the existing / **creation of a new centre of excellence,**
- **Setting up cooperation with leading scientific institution(s)**
- – **transfer of knowledge and new technologies,**
- - **future joint R&I projects**
- **Alignment with the RIS3** → regional development by:
 - cooperation with local enterprises,
 - transfer of knowledge,
 - commercialisation of research results,
 - new job opportunities (attracting researchers from the country nad from abroad),
 - Strengthening of internationalization of the region,
 - Outreach to the society

Challenges - Widening partner

- No money for **infrastructure or research** (CSA),
- Coordinator must provide the lab **space** and access to its infrastructure,
- **Autonomy** of the new entity must be assured,
- **Financial responsibility** (extent depends on the legal form of the new entity),
- **IPR**,
- **Self sustainability** (new entity must apply for research money from external resources),
- New CoE potential **competitor** on the „research market”,
- **Matching funds** and governmental support (IRAP)

Opportunities & benefits – Advanced partner

- Bringing **visiting researchers** from the advanced Partners and others to cross-fertilize the research fields and create new research avenues and **new research groups**;
- . Organizing **series of lectures** in the field of the CoE by leading scientists and entrepreneurs, especially from the advanced Partners as well as others chosen by the international
- **advisory board** of the Centre;
- . Organizing joint **PhD projects** and PhD theses with the advanced Partners;
- . Creating a **design thinking school** at the Centre,
- . Establishing contacts with the clusters active in the regio,
- Organizing **workshops** targeting business partners to inform the industry about the research capabilities, results and technology solutions developed by the CoE

Thank you for your attention!

<http://en.uw.edu.pl>

