

Feedback on the first Widening Calls

Some facts and figures

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Criteria retained for Widening actions

- The Composite Indicator of Research Excellence

Why this indicator?

- ✓ Excellence is a key factor for performance for the whole R&I system
- ✓ Only indicator that can measure excellence embedding several dimensions
- ✓ Parameters normalised to eliminate size and population biases
- ✓ Innovation taken into account also through the patent applications variable
- ✓ Strong correlation between the Excellence indicator and the FP7 Budget share per country



Composite Research Excellence Indicator at National level

Origin: Developed by DG RTD & JRC, part of the IU progress at country level 2013 publication & included in the ***IU Competitiveness Report 2013***.

Definition: "A composite indicator developed to measure the research excellence in Europe, meaning the effects of the European and national policies on the modernisation of research institutions, the vitality of the research environment and the quality of research outputs in both basic and applied research."

Methodology:

Composite indicator of four variables:

1. Highly cited **publications** of a country as a share of the top 10% most cited publications normalised by GDP
2. Number of world class **universities** and public research institutes in a country normalised by population in the world top 250 universities and research institutes
3. **Patent** applications per million population
4. Total value of **ERC grants** received divided by public R&D performed by the higher education and government sectors

Threshold: MS below 70% of the EU average

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

	Composite indicator of research excellence 2010
EU27 average	47,9
EU27 70% threshold	33,5
Member States below 70% of the EU27 value	
Latvia	11,5
Croatia	12,2
Lithuania	13,9
Malta	17,5
Slovakia	17,7
Romania	17,8
Luxembourg	19,8
Poland	20,5
Bulgaria	24,7
Estonia	25,9
Portugal	26,5
Slovenia	27,5
Cyprus	27,8
Czech Republic	29,9
Hungary	31,9
Member States above 70% of the EU27 value	
Greece	35,3
Spain	36,6
Ireland	38,1
Italy	43,1
France	48,2
Austria	50,5
United Kingdom	56,1
Belgium	59,9
Germany	62,8
Finland	62,9
Sweden	77,2
Denmark	77,7
Netherlands	78,9

Source: DG Research and Innovation - Economic Analysis Unit

Data: Eurostat, DG JRC - ISPRA

Teaming

An Experiment in Institution Building

Call objective

Creation of new or significant upgrade of existing

Centres of Excellence

in low RDI performing Member States;

implementation in 2 stages

TEAMING – STAGE 1

- Call 2014 ("Stage 1"): Business Plan for a Centre of Excellence (CoE)
- Call budget: € 11.85 M
- Call deadline: 17 September 2014
- Project Size: €200.000 - €500.000 per proposal (indicative budget)
- Project Duration: 12 months

TEAMING 2014 CALL: facts and figures

- 169 proposals submitted (167 eligible) by the call deadline on 17/09/2014
- Participation: Proposals (as Coordinators) from 20 countries (15 MS & 5 AC)
- Requested budget: €73.8M with €11.85M foreseen in the WP
- Initial budget was increased by 20% due to high subscription (budget flexibility rule – General Annexe H of the WP)
- Average requested EU contribution per proposal: € 430.000

Timeline for *Teaming*

- **11 12 2013** **WIDESPREAD-1 2014 Teaming Call published**
 - **26 02 2014** **Info-day for Widening NCPs**
 - **25 03 2014** **High Level Conference on Teaming, Warsaw**
 - **03 07 2014** **Widening Info Day – (Brussels)**
 - **17 09 2014** **Teaming Call deadline**
 - **3 10 2014** **Specific briefing for experts in Brussels**
 - **6-17 10 2014** **Remote evaluation by independent experts**
 - **3-7 11 2014** **Central evaluation in Brussels**
 - **1 01 2015** **Transfer of TEAMING proposals to REA**
 - **By mid 02 2015 (3+5 rule)** **Evaluation outcome to applicants**
 - **By mid 05 2015 (3+5 rule)** **Signature of GA & start of Stage 1**
- Teaming projects (most probable common starting date: 01/06/15)**

Analysis of proposals by country

	Country	#proposals	Req. budget	Advanced partners
1	Bulgaria	11	€ 4.553.917	AT, BE, DE, DK, HR, HU, IL, IT, SE
2	Croatia	6	€ 2.457.971	AT, BE, CH, DE, ES, FR, HR, IT, NL, UK
3	Cyprus	14	€ 5.668.453	AT, CH, DE, ES, EL, FR, IL, IT, NL, PT, SE, UK
4	Czech Republic	10	€ 3.817.827	AT, DE, CH, IT, UK
5	Estonia	5	€ 2.524.973	ES, FI, UK
6	Hungary	9	€ 4.111.214	AT, BE, DE, ES, NL, UK
7	Latvia	7	€ 3.362.308	AT, CH, DE, DK, ES, FI, FR, IT, NL, SE
8	Lithuania	3	€ 1.355.010	DE, DK, FR, FI, IE, SE, UK
9	Luxembourg	1	€ 500.000	FR
10	Malta	5	€ 2.244.253	DE, NL
11	Poland	19	€ 8.875.977	BE, CZ, DE, DK, EL, FI, FR, LU, NL, SE, SL
12	Portugal	9	€ 4.095.747	AT, BE, DE, NL, UK
13	Romania	24	€ 10.238.677	AT, BE, CH, CZ, DE, DK, ES, IE, FR, IL, IT, HU, NL, PT, SE, UK
14	Slovakia	13	€ 6.046.144	AT, BE, DE, EL, ES, IE, IT, FI, FR, NL, SK, UK
15	Slovenia	11	€ 5.162.651	AT, CH, DE, ES, FR, IT, SE
16	Spain (non-eligible)	2	€ 0	
	total	149	€ 65.015.122	
1	Assoc. Albania	1	€ 380.875	ES
2	Assoc. Faroe Isl.	1	€ 481.250	DE, UK
3	Assoc. Montenegro	1	€ 454.125	IT, SL, RS
4	Assoc. Serbia	15	€ 6.488.551	CZ, DE, EL, ES, IE, IT, NL, PL, SL, UK
5	Assoc. Turkey	2	€ 988.912	AT, DE, EL, IT
	total	20	€ 8.793.713	

Coverage of proposals retained for funding: by 'country' of coordinator

	Country	Total of projects
1	BG	2
2	CY	3
3	CZ	3
4	EE	2
5	HU	3
6	LT	1
7	LV	1
8	MT	1
9	PL	3
10	PT	4
11	RO	1
12	RS (AC)	1
13	SI	2
14	SK	4
	Grand Total	31

Coverage of scientific areas

Scientific area	#	% of all short listed proposals
Physics & Chemistry	9	29,03%
Industrial Technologies, Transport, Space & Security	1	3,23%
Social Science, Economics and institutional development	4	12,90%
Agriculture & Food,	3	9,68%
Environment & Earth, Energy	1	3,23%
Medicine, Life Sciences	8	25,81%
ICT	5	16,13%
Grand Total	31	100,00%

Analysis of the successful "advanced partners"

- Frequent advanced partners (proposal stage): Germany (136 participations) followed by the UK (67), and then Italy (35) and Spain (29).
- Within the 31 projects retained for funding there were:
 - ✓ 21 partners from Germany
 - ✓ 6 partners from Austria and Finland
 - ✓ 5 partners from Netherlands and the UK
- 7 from the 21 "successful advanced" partners from Germany identified as Fraunhofer Institutes and 3 were Max-Planck ones

Teaming

examples of retained proposals



	institutional development				FRAUNHOFER HU -BUDAPESTI MUSZAKI
Hungary	ICT	EPIC	Centre of Excellence in Production Informatics and Control	NEMZETI INNOVACIOS HIVATAL	HU - MAGYAR TUDOMANYOS AKADEMIA SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATOINTEZET HU - BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM DE - FRAUNHOFER AT - Fraunhofer Austria Research GmbH
Hungary	Medicine, Life Sciences	HU-MOLMEDEX	Creating the Hungarian Centre of Excellence for Molecular Medicine	NEMZETI INNOVACIOS HIVATAL	HU - MAGYAR TUDOMANYOS AKADEMIA SZEGEDIBIOLOGIAI KUTATOKOZPONT HU - DEBRECENI EGYETEM HU - SEMMELWEIS EGYETEM HU - SZEGEDI TUDOMANYEGYETEM DE - EUROPEAN MOLECULAR BIOLOGY LAB
Lithuania	Medicine, Life Sciences	HEALTH-TECH	Centre of Excellence in Science and Technology for Healthy Ageing	KAUNO TECHNOLOGIJOS UNIVERSITETAS	LT - LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS LT- VILNIAUS UNIVERSITETAS SE - LUNDS UNIVERSITET FI - VTT
Latvia	Physics & Chemistry	CAMART2	CAMART2	LATVIJAS UNIVERSITATES CIETVIELU FIZIKAS INSTITUTS	HU - BUDAPESTI MUSZAKI SE- KUNGLIGA TEKNISKA HOEGSKOLAN

Slovakia	Physics & Chemistry	SlovakION	Slovak Centre of Excellence in Ion Beam and Plasma Technologies for Materials Engineering and Nanotechnology	SLOVENSKA TECHNICKA UNIVERZITA BRATISLAVA	DE - HELMHOLTZ-ZENTRUM DRESDEN-ROSSENDORF DE - ENGAGE KEY TECHNOLOGY VENTURES DE - TECHNISCHE UNIVERSITAET DRESDEN HZDR Innovation SK - MATADOR Industries DE - FRAUNHOFER
Slovakia	Physics & Chemistry	FunGLASS	Centre for functional and surface-functionalized glasses	TRENCIANSKA UNIVERZITA ALEXANDRA DUBCEKA TRENCINE	DE - FRIEDRICH-ALEXANDER-UNIVERSITAT ERLANGEN NURNBERG DE - FRIEDRICH-SCHILLER-UNIVERSITAT JENA ES - AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS IT - UNIVERSITA DEGLI STUDI DI PADOVA
Slovakia	Agriculture & Food	LignoSilva	Centre of Excellence of Forest-based Industry	NARODNE LESNICKE CENTRUM	SK - Výskumný ústav papiera a celulózy, a.s. FI - EUROPEAN FOREST INSTITUTE

Towards Stage 2 Teaming: there is NO Stage 2 Call as such !

- ❑ **In 2016: ("Stage 2"):** Selection of proposals, that will be funded in Stage 2 for starting implementation of the CoE
- ❑ **Stage 2, refers to the entire process of:**
 - **Evaluation of the best deliverables (Business Plans) produced in Stage 1;**
 - **Funding these proposals with seed money for the first implementation years of the CoE. It is expected that up to ten (10) proposals will be selected for funding**

Budget: at least € 80-90 M

Project size: €15-20M (indicative budget)

Project duration: 5-7 years

NEXT TEAMING CALL in Horizon 2020 (Tentative Planning)

- **In 2017: ("Stage 1") : Business Plan for a Centre of Excellence (CoE) followed by Stage 2 (NOT Call !) in 2018-19**

ERA Chairs

*Bringing Excellence to Research
Institutions*

WIDESPREAD 2-2014 ERA Chairs: Objectives of the action

- ❑ Bring high quality researchers and managers to universities and other research organisations **with potential for research excellence**
- ❑ **Institutions**, to host an ERA Chair, should deploy a strategy for implementing **structural changes** to achieve excellence on a sustainable basis, including fostering compliance with **ERA Priorities**
- ❑ Bottom-up approach: **any scientific domain** of research and innovation

WIDESPREAD 2-2014: ERA Chairs - Eligibility Criteria and budget

- ☐ **The applicant institution** must originate from **EU-13, Portugal, Luxembourg** or eligible Associated Countries to the FP
- ☐ One **single applicant** (mono-beneficiary action)
- ☐ EU contribution not to exceed a **maximum of EUR 2,5 million** for up **to 5 years** and limited to a maximum of 90% of total estimated budget
- ☐ **Budget:** salaries of ERA Chairs and his/her team, training, meetings, publication and patenting costs, equipment (in duly justified cases), **no research costs**

WIDESPREAD 2-2014: ERA Chairs

– Call Characteristics

Call deadline: 15 October 2014

Budget: 33 600 000 €

Evaluation calendar

- | | |
|------------------|-----------------------------------|
| -7 to 21.11.2014 | Remote evaluation by experts |
| - 1 to 5.12.2014 | Consensus phase in Brussels |
| - 1 January 2015 | Handover of implementation to REA |

Estimated timing for initial implementation steps:

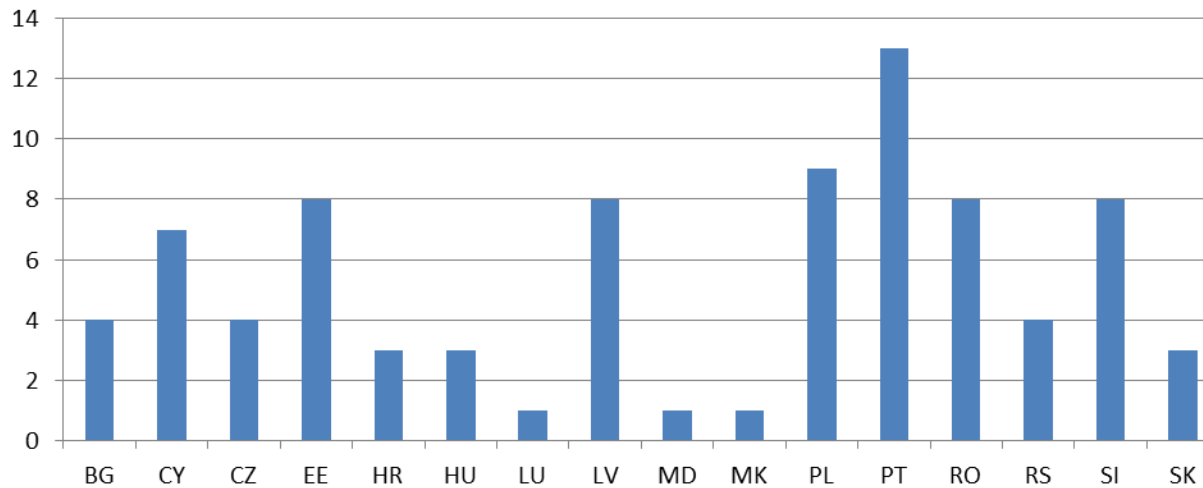
- June 2015:** Signature of Grant Agreements
- Spring 2016:** ERA Chairs holders in place

WIDESPREAD 2-2014: ERA Chairs

– Brief analysis of submitted proposals

88 proposals submitted, of which **85** from eligible "Widening" countries

Proposals per Country



Legend

MD: Moldova

MK: FYROM

RS: Serbia

WIDESPREAD 2-2014: ERA Chairs

– Brief analysis of submitted proposals

Coverage of scientific areas

Evaluation Panel	Number of proposals
Medicine, Life Sciences	26
Mathematics, Engineering and ICT	22
Social Science and Economics	15
Environment	14
Physics & Chemistry	11

WIDESPREAD 2-2014: ERA Chairs

– Brief analysis of submitted proposals

- ❑ **Good coverage of scientific areas** (highest number of proposals submitted under "Medicine, Life Sciences")
- ❑ Proposals submitted from **all 16 eligible countries**
- ❑ The **highest number** of proposals submitted from **Portugal (13)** and from **Poland (9)**
- ❑ Significant number of submissions from eligible associated and candidate countries

4- WIDESPREAD 2-2014: ERA Chairs, retained proposals

Organisation	Country	Acronym	Scientific Panel
Tallinna Ülikool	EE	CEITER	ECOSOC
THE CYPRUS INSTITUTE LIMITED	CY	CySTEM	ENV
ICETA - Instituto de Ciências e Tecnologias Agrárias e Agro-Alimentares	PT	EnvMetaGen	ENV
INSTYTUT CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK	PL	CREATE	CHEPHY
UNIVERSIDADE DO MINHO	PT	FoReCaST	LIF
INSTYTUT UPRAWY NAWOZENIA I GLEBOZNAWSTWA, PANSTWOWY INSTYTUT BADAWCZY	PL	BioEcon	ECOSOC
THE CYPRUS FOUNDATION FOR MUSCULAR DYSTROPHY RESEARCH	CY	BIORISE	MATENG
INSTITUTUL DE CHIMIE MACROMOLECULARA PETRU PONI	RO	SupraChem Lab	CHEPHY
RUDER BOSKOVIC INSTITUTE	HR	PaRaDeSEC	MATENG
UNIVERSIDADE DE COIMBRA	PT	ERAatUC	LIF
INSTITUTO DE MEDICINA MOLECULAR	PT	EXCELLtoIN NOV	LIF
TARTU ULIKOOL	EE	TransGeno	LIF
TARTU ULIKOOL	EE	SynBioTEC	LIF

4- WIDESPREAD 2-2014: ERA Chairs

Institution Country	Proposals per Country
	in the main list
PT	4
EE	3
CY	2
PL	2
HR	1
RO	1
Total	13

WIDESPREAD 2-2014: ERA Chairs – Additional information

Participant Portal

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-widespread-2014-2.html>

ERA Chairs webpage:

http://ec.europa.eu/research/era/era-chairs_en.html



HORIZON 2020

**Thanks
for your attention!**

Find out more:

<http://ec.europa/research/horizon2020>