

# H2020 Twinning and ERA Chairs

Open Science Days 2017
EU Zone
Ministry of Science of Montenegro
Branka Žižić – Widening NCP

### Goal of the session

 Help in finalisation of proposals for the current call (Twinning – Nov 2017)

Timely preparation for the next round of calls

# Widening countries



- Input: Better access of researchers & innovators to international networks
- **Result**: Improved scientific capabilities of widening countries to seek competitive funding in international fora

# Twinning: Aim, Objectives & Partnership

#### Aim of the action:

 Strengthen a defined field of research in a university or research organisation from a Widening country by linking it with at least two internationally-leading research institutions in other Member States or Associated Countries.

#### Main objectives:

- Enhance the S&T capacity of the institutions-Focus on institution in Widening Country
- Raise the research profile of the institution and of its research staff

#### **The Partners:** (Minimum Conditions)

- ONE institution located in a "Widening" MS/AC (COORDINATOR)
- A minimum of TWO additional partners from two different MS or AC other than the country of the coordinator.

## **Proposals**

- Scientific strategy for excellence and innovation in a defined area of research;
- Outline the scientific quality of the partners;
- Activities supported:
  - Short term staff exchanges; expert visits and short-term training; workshops;
     conference attendance; dissemination and outreach activities.
- Expected Impact:
  - Research excellence, in particular, in the selected field of research;
  - Improved capability to succeed in competitive research funding;
  - Enhanced reputation, attractiveness and networking;
  - The expected potential impact of the project illustrated by a number of indicators.

**Indicators:** expected future publications in peer reviewed journals, collaboration agreements with businesses, intellectual property, new innovative products or services.

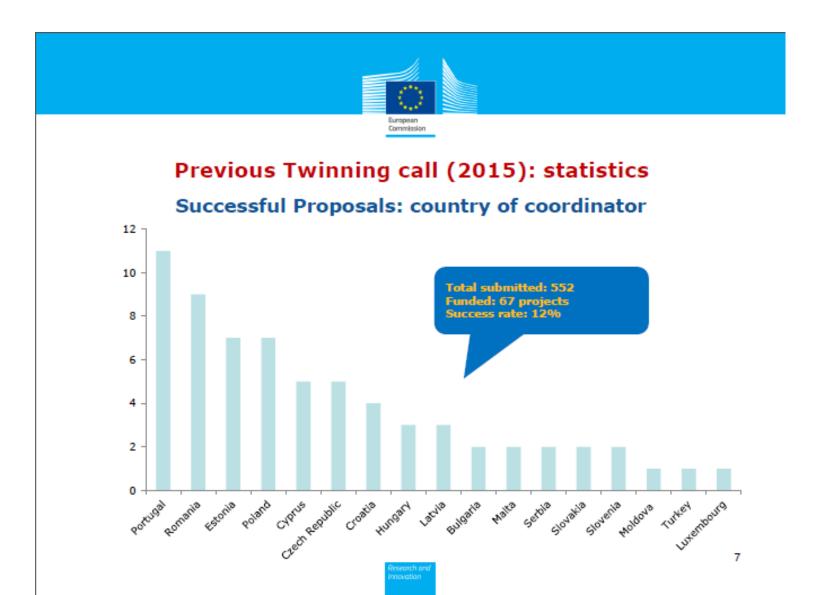
# Twinning: Call 2017 details

- Eligible Costs:
  - Coordination and networking;
  - Joint activities;
  - Dissemination and outreach activities.
  - Infrastructure, equipment & research costs will NOT be funded.
- Twinning Call 2017:
  - Budget: €30 million
  - Call publication: 14 October 2015
  - Call opening: 11 May 2017
  - Call deadline: 15 November 2017
  - Project Size: up to €1 million (eligibility condition)
  - Project Duration: up to 3 years (eligibility condition)
- Implementation: Coordination and Support Action

# Twinning: Call 2018

- Coming soon!
- Dates: end October, publication of Work Programme
- Opening of new call: May 2018
- Deadline: November 2018
- Some changes: research costs OK...

# Success in previous cycle



# Twinning: Lessons learned (1)

- Some points learned from the Interim Evaluation:
- + The establishment of the <u>Twinning collaborations</u> was highlighted as the most important result achieved so far.
- + The <u>institution's capabilities in networking and</u> <u>competing for international funding</u> have been increased.
- The project coordinators find that <u>research costs</u> need to be covered.
- Some of the Twinning institutions are <u>managing for</u> the first time a large EU project and the extent of this challenge was not expected.

### Lessons learnt for future calls:

- Clear definition of the <u>scientific strategy</u> towards excellence in the relevant research field;
- Better illustration of the <u>scientific qualities of</u> <u>"advanced" partners</u> and their added value to the project;
- Outline the expected impact of the twinning exercise on the institution in the Widening country (and even at the national/regional level) based on specific indicators.

### **ERA Chairs**

- 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. They aim to attract and maintain high quality human resources under the direction of an outstanding researcher (the 'ERA Chair holder') while at the same time implementing structural changes necessary to achieve excellence on a sustainable basis.

### **ERA Chairs**

- Objectives of the action:
  - Bring high quality researchers and managers (the ERA Chair and his/her team) to universities and other research organisations with the potential for research excellence.
  - Institutions should implement structural changes to achieve excellence on a sustainable basis.
- Participants
  - One single applicant (mono-beneficiary action) located in a Widening country.

### ERA Chairs: Proposal Design & Impact

#### Proposals:

- Bottom-up approach but connected with the ERA Chair holder expertise to fully capitalise on his/her presence;
- Include measures to foster ERA priorities (open recruitment, peer review, gender balance, Charter & Code);
- Include a plan to increase Research Capacity if infrastructures foreseen present a strategy for funding (including possible from use of ESIF funding).

#### Expected Impact:

- Increased attractiveness of institution and region for excellent researchers;
- Research excellence in the fields covered by the ERA Chair;
- Improved capability of the institution to succeed in competitive research funding;
- Institutional changes to comply with ERA priorities.

### ERA Chairs: The ERA Chair holder

- The ERA Chair should be an outstanding researcher and research manager with a proven record of leadership;
- The ERA Chair appointment must follow an open and merit-based recruitment process - to be subjected to monitoring by the European Commission;
- ERA Chair holder should be appointed in a full time position but part-time arrangements are possible;
- The institution should ensure autonomy for the Chair and his/her team;
- ERA Chairs can be of any nationality;

### **ERA Chairs: Costs & Call 2017 details**

#### • Eligible Costs:

- Salaries of ERA Chairs and his/her team.
- Contribution towards measures aimed at facilitating structural changes at the institution: - ERA priorities;
- Costs including training, meetings, publication and patenting costs, equipment (minor part of budget and duly justified);
- The grant will not cover for infrastructures and research costs!

#### ERA Chairs Call 2017:

- Budget: €33.91 million
- Call publication: 14 October 2015
- Call opening: 12 April 2017
- Call deadline: 5 October 2017
- Project Size: up to €2.5 million (eligibility condition)
- Project Duration: up to 5 years (eligibility condition)
- Implementation: Coordination and Support Action

### **ERA Chairs: Lessons learnt**

#### Lessons learned for future calls:

- Clearly define objectives towards <u>institutional</u> <u>changes</u>
- Demonstrate the <u>role and autonomy</u> of the ERA Chair holder
- Work Packages should be consistent and contribute to an overall Action Plan
- Management structures need to be well defined and simple.

# Success in previous call



#### ERA Chairs: 2014 call statistics

#### Proposals per Country



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# Success in previous call

#### ERA Chairs 2014 call - Successful proposals

| Institution Country | Proposals per Country<br>in the main list |
|---------------------|---|
| PT                  | 4   |
| EE                  | 3 (+1)                                    |
| CY                  | 2   |
| PL                  | 2   |
| HR                  | 1   |
| RO                  | 1   |
| Total               | 14  |

# WP2018-19 Coming soon!

- Dates: end October, publication of Work Programme
- WIDESPREAD-03-2018: Twinning
  - May Nov 2018
- Widening fellowships 2018 and 2019
  - April Sept 2018 and 2019
- ERA Chairs: Call 2019
  - July Nov 2019

Some changes: research costs OK...

# **Teaming**

Establishment of new institutes in W countries
 15 – 20 M EUR (+ parallel national funding)

Expected next call: 2020

## H2020 Intervention logic

https://ec.europa.eu/research/evaluations/pdf/archive/h2020\_evaluations/intervention\_logic\_h2020\_052016.pdf#view=fit&pagemode=none

#### OVERALL OBJECTIVE OF HORIZON 2020

Contribute to building a society and an economy based on knowledge and innovation across the Union by leveraging additional R&D&I funding and by contributing to attaining R&D targets, including the target of 3 % of GDP for R&D across the Union by 2020. It shall thereby support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA).

#### ERA priorities

More effective national research systems

#### ACTIVITIES

#### I Excellent Science (investigator driven)

Science-driven and largely 'bottom-up' activities which are forward-looking, building skills in the long term, focusing on the next generation of science, technology, researchers and innovations and providing support for emerging talent from across the EU and associated countries, as well as worldwide.

#### II Industrial Leadership (business driven)

- Activities following a business- and SME-driven agenda, based on a demand-driven, bottom-up logic (SME instrument)
   Budgets complemented by use of financial instruments
- LEIT following a technology-driven approach to develop enabling technologies that can be used in multiple areas, industries and services.

#### III Societal Challenges (top-down)

- Seven societal challenges covered
- Activities covering from basic research to market, with a focus on innovation-related activities, such as piloting, demonstration activities, test-beds, support for public procurement, design, enduser driven innovation, social innovation, knowledge transfer and market take-up of innovations and standardisation.
- Non-technological, organisational &systems innovation as well as public sector innovation and technology-driven solutions.
- Bringing together critical mass of resources and knowledge across different fields, technologies and scientific disciplines and research infrastructures in order to address the challenges.

#### IV Spreading Excellence & Widening Participation

Teaming, twinning, ERA-Chairs, Policy Support Facility, better access of researchers & innovators to international networks (support to COST), NCPs; synergies with other policies and programmes. procurement for studies

ERC Frontier research grants

Future and Emerging Technologies schemes

MSCA grants

Research infrastructure

Access to risk finance (with EIB/EIF)

> SME Instrument

Public-Private Partnerships (incl JTI-JPI)

> Research & innovation actions

Innovation actions

Innovation procurement

- the European Research Area priorities
   Gender Equality Plans (GEPs) in RPO a
- Gender dimension integrated in projects

#### Research infrastructures

- New research infrastructures built
- Better access to research infrastructures
   World-class researchers attracted to exis infrastructures
- Creation of new (or upgrading of existin in low R&I performing MS and AC

#### Partnerships & internationa

- Scientific collaboration across discipline
   Cross-country (also beyond EU) and en
- and innovation networks (incl. SMEs)

  Set-up of Knowledge and Innovation Co
- research, innovation and higher educatic
   Networks of developers, providers and trinvolved in correction (value chain)

#### Outputs for knowledge tran

- Study results and reports
- Formal publications
- Research data provided in open access
- Intellectual property (incl. patents)
- Data Management Plans (Pilot on Open
   Conferences/ workshops papers and pro
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   Project's websites
- Information material for user communit

#### Early outputs for subsequen

- New, altered or improved research tools and simulations
- New advanced capabilities, methods, sytechnologies
- New, altered or improved ideas, product services and business models

#### Outputs for research or mai

- · Joint databases, platforms, testbeds
- New common methodologies

### Information

- Research Participant Portal (RPP) EC: <u>http://ec.europa.eu/research/participants/portal/desktop/en/home.html</u>
- National Contact Point Ministry of Science of Montenegro: <a href="http://www.mna.gov.me/ministarstvo/Horizont2020/HORIZON 2020 - NCP/">http://www.mna.gov.me/ministarstvo/Horizont2020/HORIZON 2020 - NCP/</a>
- Previous projects: CORDIS
- Partner Search: RPP
   <a href="http://www.mna.gov.me/ministarstvo/Horizont2020/175160/Pretraga-partnera-za-naucnu-saradnju-na-Participant-Portalu-Evropske-komisije.html">http://www.mna.gov.me/ministarstvo/Horizont2020/175160/Pretraga-partnera-za-naucnu-saradnju-na-Participant-Portalu-Evropske-komisije.html</a>

### Thank you for your attention!

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