

# Horizon 2020

## Opportunities to cooperate in research & innovation

**Zita Szoó**

*Project consultant*

BME, R&D Office

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# Structure of H2020

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I. EXCELLENT SCIENCE	II. INDUSTRIAL LEADERSHIP	III. SOCIETAL CHALLENGES
European Research Council (ERC)	<b>Leadership in Enabling &amp; Industrial Technologies (LEIT)</b>  <b>ICT/ Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology/ Space</b>  <b>Access to risk finance</b>  <b>Innovation in SMEs</b>	Health, Demographic Change and Wellbeing
Future and Emerging Technologies (FET)		Food Security, Sustainable Agriculture (...) & Bioeconomy
Marie-Skłodowska Curie Actiona (MSCA)		Secure, Clean and Efficient Energy
European Research Infrastructures, incl. e-Infrastructures		Smart, Green and Integrated Transport
		Climate Action, Environment, Resource Efficiency and Raw Materials
	Europe in a changing world – Inclusive, innovative and reflective societies	
<b>IV. SPREADING EXCELLENCE AND WIDENING PARTICIPATION</b>		
<b>V. SCIENCE WITH AND FOR SOCIETY</b>		
<b>VI. JRC (NON-NUCLEAR DIRECT ACTIONS)</b>		
<b>VII. EUROPEAN INSTITUTE OF INNOVATION AND TECHNOLOGY (EIT)</b>		
<b>EURATOM (2014-2018)</b>		

# Funding Schemes

FP7 actions	H2020 actions
Collaborative Projects (CP)	Research & Innovation Action (RIA)
Networks of Excellence (NoE)	Innovation Action (IA)
Coordination & Support Action (CSA)	CSA
Support for „frontier” research (ERC)	ERC
Support for training & career dev. of researchers (MCA)	MSCA
Research for the benefit of specific groups (SMEs)	<i>SME instrument</i>
ERA-NET & ERA-NET Cofund	ERA-NET Cofund
	Procurement (PCP / PPI Cofund)
	<i>Risk Finance instruments</i>
	<i>Prizes</i>

# Participation in FP7

# Participation of Hungarian HEIs in FP7

Name of the university	No. of projects	EU contribution (EUR)
Budapesti Műszaki és Gazdaságtudományi Egyetem	104	19 100 344
Közép-Európai Egyetem	54	14 563 254
Debreceni Egyetem	48	7 921 525
Eötvös Loránd Tudományegyetem	39	8 472 304
Szegedi Tudományegyetem	38	9 188 781
Semmelweis Egyetem	34	7 223 981
Pécsi Tudományegyetem	26	6 051 710
Szent István Egyetem	24	3 131 680
Budapesti Corvinus Egyetem	24	2 594 105
Pannon Egyetem	17	1 762 904
Nyugat-Magyarországi Egyetem	10	360 147
Széchenyi István Egyetem	10	196 531

# BME participation in FP7

Year	No. of projects	EU contribution (EUR)
2007	18	3 919 585
2008	16	1 789 173
2009	16	2 857 047
2010	17	4 376 324
2011	16	2 714 751
2012	12	1 760 579
2013	14	4 704 434
<b>2007-13</b>	<b>109</b>	<b>22 285 893</b>



# BME participation in FP7 (thematic)

Thematic areas and fields of activity	No. of projects
COOPERATION	65
Health	0
Food, agriculture and biotechnology	4
ICT	38
Nanosciences, nanotechnologies, materials and new production technologies	7
Energy	0
Environment (incl. Climate change)	1
Transport (incl. Aeronautics)	11
Socia-economic sciences and humanities	0
Space and Security	2
Joint Technology Initiatives	2
IDEAS (ERC)	4
PEOPLE (MCA)	19
CAPACITIES	7
EURATOM	14
<b>Total</b>	<b>109</b>

# Opportunities to cooperate

# Main characteristics of MSCA

- \* **Excellent and innovative research training**
- \* **Attractive career and knowledge-exchange opportunities**
- \* **Cross-border and cross-sector mobility**
- \* **Open to all domains of R&I – bottom-up approach**
- \* **Focus on delivering new knowledge and skills**
- \* ***New: innovation***

# Structure of MSC Actions

Actions in FP7	Actions in H2020	Characteristics
<b>ITN</b>	<b>ITN</b> Innovative Training Networks (ESR!)	Support for doctoral and early-stage training (ETN, EID, EJD)
<b>IEF</b> <b>IOF</b> <b>IIF</b> <b>CIG</b>	<b>IF</b> Individual Fellowship (ER)	Support for experienced researchers undertaking international and intersectoral mobility (European & Global Fellowships, Career Restart, Reintegration)
<b>IAPP</b> <b>IRSES</b>	<b>RISE</b> Research and Innovation Staff Exchange	International and inter-sectoral cooperation through the exchange of staff (staff = researchers, managers, administrative and technical personnel supporting R&I activities of the project)
<b>COFUND</b>	<b>COFUND</b> Co-funding regional, national & international programmes	Doctoral programmes, fellowship programmes

# MSCA budget

MSCA action	Researcher / staff member unit cost (P/M)			Institutional unit cost (P/M)	
	Living allowance *	Mobility allowance	Family allowance	Research, training & networking costs	Management & indirect costs
ITN	3110	600	500	1800	1200
IF	4650	600	500	800	650
RISE		2000		1800	700
COFUND (co-funding rate: 50%)	ESR		3710		650
	ER		5250		

\* Country correction coefficient applies, which is **76,2%** (2014) for Hungary. (2012/2013: 79,2%)

# ITN

- \* **Objective:**

- \* Raise excellence and structure research and doctoral training
- \* Train a new generation of creative, entrepreneurial and innovative early-stage researchers

- \* **Scope**

- \* Partnerships in the form of : European Training Networks, European Industrial Doctorates or European Joint Doctorates
- \* *Particular focus on innovation skills*

- \* **Expected impact**

- \* Structured research and doctoral training in Europe
- \* Triggered cooperation and exchange of best practice among participants
- \* Enhanced researchers' employability

# ITN

- \* Support to **early-stage researchers only**
- \* **min. 3 beneficiaries from 3 different countries (MS/AC)**
- \* Fellowships of 3-36 months
- \* **Max. 540 researcher-months / consortium (180 for EID with 2 partners)**
- \* Multidisciplinary panels for EID and EJD
- \* Consortium agreement: required only for EID
- \* Call 2015 / H2020-MSCA-ITN-2015
  - \* Call publication date: 02/09/2014
  - \* Call deadline: 13/01/2015
  - \* Project duration: max. 4 years
  - \* Budget: 370 M EUR

# RISE

- \* **Objective:**

- \* Promote international and inter-sectoral collaboration through R&I staff exchanges
- \* Foster a shared culture of R&I

- \* **Scope**

- \* International and inter-sector transfer of knowledge and sharing of ideas
- \* Common R&I projects
- \* Highly skilled R&I staff
- \* Within Europe: only intersectoral secondments
- \* *NO secondments between institutions located in third countries or within the same MS/AC*

- \* **Expected impact**

- \* Strengthen the interaction between organisations in the academic and non-academic sectors, and between Europe and third countries



# RISE

- \* Min. eligibility condition: **participants in 3 different countries** (at least 2 MS/AC)
- \* No mobility rule required
- \* Support to **secondments of staff members (1-12 months)**
- \* Eligibility condition for staff member: 6 months at the sending institution prior to the 1st secondment
- \* Max. **540 researcher-months** / consortium
- \* Partnership agreement recommended
- \* Call 2015 / H2020-MSCA-RISE-2015
  - \* Call publication date: 06/01/2015
  - \* Call deadline: 28/04/2015
  - \* Project duration: max. 4 years
  - \* Budget: 80 M EUR

# Spreading Excellence and Widening Participation

## BACKGROUND

- \* Disparities in R&I excellence and performances >>> barrier to competitiveness, growth and jobs across Europe
- \* Some countries are experiencing low participation in the EU FPs
- \* Disparities due to structural issues, such as:
  - \* Insufficient national RDI investments
  - \* Lack of synergies between certain countries national research systems and EU research landscape
  - \* Insufficient capacities
  - \* Reduced access to international networks

# Spreading Excellence and Widening Participation

- \* **Teaming**
- \* **ERA Chairs**
- \* *Transnational network of national contact points (NCP)*
- \* **Twinning**
- \* **COST, PSF**

# Twinning

- \* **Scope:** strengthening a defined field of research of a knowledge institution in a low performing MS or region through linking with at least 2 internationally-leading counterparts in Europe
- \* **Proposals** will have to outline the scientific strategy for stepping up and stimulating scientific excellence and innovation capacity in a defined area of research as well as the scientific quality of the partners involved in the twinning exercise
- \* **Funding for:**
  - \* Expert visits and short-term on-site or virtual training
  - \* Workshops & conference attendance
  - \* Organisation of joint summer school type activities
  - \* Dissemination and outreach activities
- \* **Alignment with the objectives of the S3 of the MS/region is encouraged**
- \* ***Equipment and researchers' salaries will NOT be funded!***

# Specific eligibility criteria for Twinning

Eligibility Criterion:

**The Composite Indicator of Research Excellence**

Threshold: MS below 70% of the EU average

Low RDI performing MSs for Widening actions: BG, HR, CY, CZ, EE, HU, LT, LV, LU, MT, PL, PT, RO, SK and SI

Low RDI performing ACs: same eligibility criteria apply for ACs to H2020

# Twining

- \* **Partners**

- \* 1 institution located in a Low Performing MS/region (Coordinator)

- \* Min. of 2 additional partners from 2 different MS or AC

- \* **Call 2015 / H2020-TWINN-2015**

- \* Call publication: 02/07/2014

- \* Call deadline: Spring 2015

- \* Project size: 1 M EUR / proposal

- \* Budget: ~ 65 M EUR

- \* Project duration: 3 years

- \* Type of action : CSA

- \* **Total budget for Twining in H2020: ~ 100 M EUR**

# **Research and Innovation Participant Portal**



# RESEARCH & INNOVATION

## Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT



LOGIN



REGISTER



On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)

### Non-registered users

- search for funding
- read the funding guide & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

### Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle



WHAT'S NEW?



FUNDING OPPORTUNITIES



HOW TO PARTICIPATE



WORK AS AN EXPERT



MY PERSONAL AREA



INFORMATION AND SUPPORT



**Thank you for your attention!**

**Szoó Zita**  
**463-1507**  
**[szoo@mail.bme.hu](mailto:szoo@mail.bme.hu)**