



# ***HORIZON 2020***

## ***Rámcový program EU pro výzkum a inovace 2014 - 2020***

[www.vscht.cz](http://www.vscht.cz)



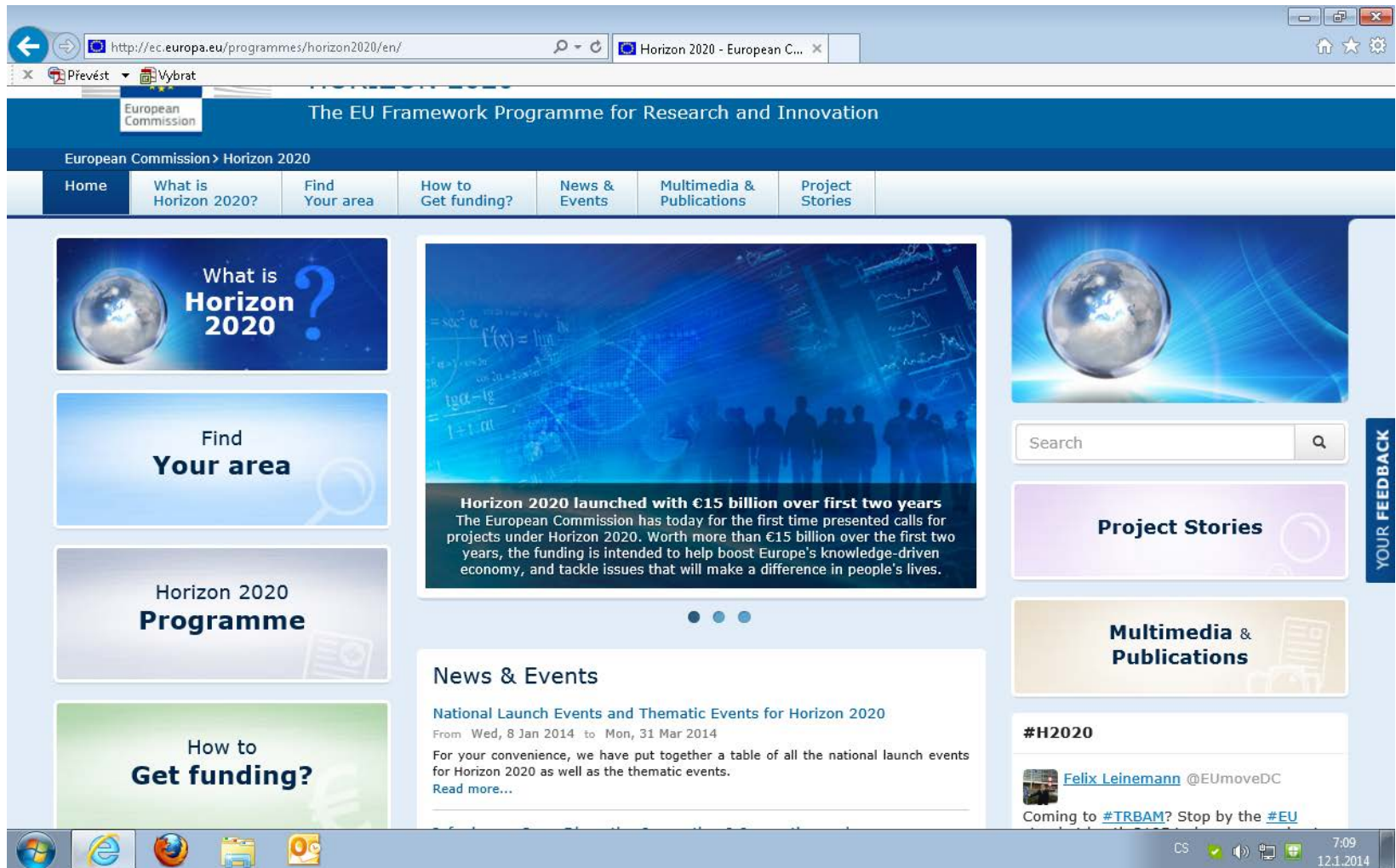
KAMPUŠ, EUPRO II, LE12005



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# HORIZON 2020, 2014-2020, 80 mld. €

<http://ec.europa.eu/programmes/horizon2020/en/>



# Horizon 2020

## - the Framework Programme for Research and Innovation (2014-2020)

### 1. Excellent Science

European Research Council

Future and Emerging Technologies

Marie Curie Actions

Research Infrastructures

### 2. 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

### 3. Societal Challenges

7 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 (JTIs) P2B

# Základní pravidla

- Mezinárodní dimenze řešeného úkolu
- Většinou řeší mezinárodní konsorcium
  - min. 3 nezávislé právní subjekty, z nichž každý je usazen v jiném členském státě nebo přidružené zemi
- Výzvy na předkládání projektů, jedno- a dvoukolové
- Pracovní program stanoví kritéria a podrobnosti akce
  - Obecné cíle, problém, který se má řešit,
  - Rozsah činností, očekávané dopady
- Hodnocení návrhů – excelence, dopad, kvalita a efektivita provádění
- Projekty vybrané pro financování - uzavírá se s EC Grantová dohoda a mezi řešiteli Konsorciální dohoda
- Veškerá komunikace probíhá elektronicky „Participant portal“

# Financování

Zásada neziskovosti, výdaje efektivní, hospodárné, skutečné

Přímé náklady

- Osobní náklady účastníků
  - Mzda dle výše úvazku v projektu + odměny max. 8000 € na plný úvazek za rok, hrazeny jen produktivní hodiny na akci
- Cestovní náklady
- Ostatní přímé náklady
- Investice
- Subdovávky

Nepřímé náklady (režie)

- sazba 25% z přímých nákladů bez subdodávek

**Sazby náhrad EC zpravidla 100% , pro inovační akce 70%**



# Participant Portal

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

The screenshot shows the top of the Participant Portal website. At the top left is the European Commission logo. To its right, the text 'RESEARCH & INNOVATION' is displayed in a large, blue, sans-serif font, with 'Participant Portal' underneath it in a smaller font. Below this is a navigation bar with links: 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', and 'SUPPORT'. To the right of these links are 'LOGIN' and 'REGISTER' buttons. Below the navigation bar is a large banner for 'Horizon 2020 Funding' with the text 'Starting from 1/1/2014'. Below the banner, a paragraph states: 'On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:'. This is followed by two bullet points: '• 2014-2020 Horizon 2020 - research and innovation framework programme' and '• 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)'. Below this, there are two columns of user instructions. The left column is titled 'Non-registered users' and lists four points: '• search for funding', '• read the funding guide & download the legal documents', '• check if an organisation is already registered', and '• contact our support services or check our FAQs'. The right column is titled 'Registered users' and lists two points: '• submit your proposal' and '• sign the grant'. Below these columns is a row of six icons with corresponding labels: 'WHAT'S NEW?' (a network diagram), 'FUNDING OPPORTUNITIES' (a map of Europe with stars), 'HOW TO PARTICIPATE' (a classical building facade), 'WORK AS AN EXPERT' (a head profile with gears), 'MY PERSONAL AREA' (a desk with a laptop and documents), and 'INFORMATION AND SUPPORT' (a person wearing a headset). At the bottom of the page, there is a footer with the text 'RESEARCH ON EUROPA', 'CORDIS', and 'OLAF'.

European Commission

RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT

LOGIN REGISTER

Horizon 2020 Funding  
Starting from 1/1/2014

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
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- contact our support services or check our FAQs

**Registered users**

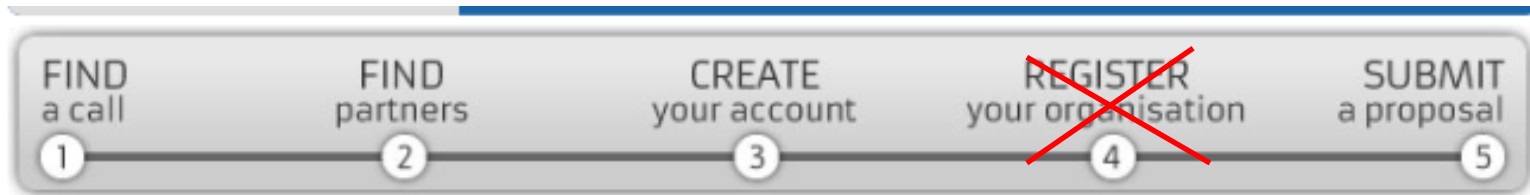
- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

WHAT'S NEW? FUNDING OPPORTUNITIES HOW TO PARTICIPATE WORK AS AN EXPERT MY PERSONAL AREA INFORMATION AND SUPPORT

RESEARCH ON EUROPA CORDIS OLAF

# How to participate

<http://ec.europa.eu/research/participants/portal/desktop/en/funding/index.html>



- VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE
- PIC: 999867853, ve zkratce: VSCHT
- LEAR – Ing. Anna Mittnerová, Rektorát, Oddělení VaV
- CESKE VYSOKE UCENI TECHNICKE V PRAZE
- PIC: 999848744,
- LEAR – Ing. Pavel Koudelák, PhD., Rektorát

# 11.12.2013 vyhlášeny výzvy 2014-15

1. Personalising health and care (2014 budget: €549 million)
2. Sustainable food security (2014 budget: €138 million)
3. Blue growth: unlocking the potential of seas and oceans (2014 budget: €100 million)
4. Digital security (2014 budget: €47 million)
5. Smart cities and communities (2014 budget: €92 million)
6. Competitive low-carbon energy (2014 budget: €359 million)
7. Energy Efficiency (2014 budget: €98 million)
8. Mobility for growth (2014 budget: €375 million)
9. Waste: a resource to recycle, reuse and recover raw materials (2014 budget: €73 million)
10. Water innovation: boosting its value for Europe (2014 budget: €67 million)
11. Overcoming the crisis: new ideas, strategies and governance structures for Europe (2014 *budget: €35 million*)
12. Disaster-resilience: safeguarding and securing society, including adapting to climate change (2014 budget: €72 million)



## **Industrial leadership**

- Key Enabling Technologies (KETs) - nanotechnologies, advanced materials and advanced manufacturing and processing technologies.

## **Cross cutting issues**

- Innovation
- Spreading excellence and widening participation - Teaming, Twinning and ERA Chairs.
- Information and Communications Technology
- Social Sciences and Humanities,
- Gender
- International Cooperation
- Climate Action and Sustainable Development

## **Excellent Frontier Research – the European Research Council**

## **Marie Skłodowska-Curie Action**

## **Science for policy – the European Commission's Joint Research Centre**

EC MEMO/13/1122 z 11.12.2013

[http://europa.eu/rapid/press-release MEMO-13-1122 en.htm](http://europa.eu/rapid/press-release_MEMO-13-1122_en.htm)

# Inspirace v projektech 7.RP

VŠCHT Praha – 35 projektů

[http://www.vscht.cz/homepage/veda/index/prehledy/erp\\_prehled](http://www.vscht.cz/homepage/veda/index/prehledy/erp_prehled)

## **FCHT**

prof. Bouzek ( JU FCH), prof. Krýsa – koordinuje CL, Ing. Kouřil CL, Ing. Hrdlička LLP

## **FTOP**

Ing. Bartáček, PhD. – Marie Curie

## **FPBT**

prof. Hajšlová, prof. Demnerová, prof. Macek - CL , prof. Moravcová - MCA – ITN

## **FCHI**

prof. Štěpánek – ERC, FET, doc. Kosek , Ing. Friess, PhD. – CL

## **Rektorát**

Mittnerová, Kinzlová, Bartková, Štěpánková, Friessová – CL, ERC, MC Night, CSA, LLP

# EXPERTS

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>



## RESEARCH & INNOVATION

### Participant Portal

European Commission > Research & Innovation > Participant Portal > Experts

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE **EXPERTS** SUPPORT

LOGIN REGISTER

#### News

H2020 call for expression for interest for experts (11/2013)  
New calls for expression of interest [for individual experts](#) and [for organisations to suggest experts](#) were just published in [OJ C342 of 22 November 2013](#).  
European Commission will soon need experts to evaluate first Horizon 2020 proposals. Don't forget to tick the H2020 box in the registration platform and update your expertise.



#### Experts

**H2020 ONLINE MANUAL**

Join the database of independent experts for European research and innovation.

The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

#### New experts

##### Who can be an expert?

You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields of research and innovation ([see call](#) for details on types of expertise).
- can be available for occasional, short-term assignments

[REGISTER AS EXPERT](#)



##### What do expert assignments involve?

Experts, as peer reviewers, assist in the:

- **evaluation** of proposals
- **monitoring** of actions

In addition, experts assist in the :

- **preparation, implementation or evaluation of programmes** and **design of policies**.

Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.

Take a look at the most recently [funded projects](#).

#### Quick Links

- [FAQ for Experts](#)
- [Expert recommendations](#)

#### Logistics for Brussels

- [Map of evaluation area](#)
- [Info on hotels](#)
- [Metro map](#)
- [From airport to Brussels](#)

In order to access the expert registration form, you are first asked to login with a valid Participant Portal (ECAS) account. If you do not have it yet, it easy to [create your Portal \(ECAS\) account](#).

# Důležité odkazy

## HORIZON 2020

<http://ec.europa.eu/programmes/horizon2020/en/>

Research an Innovation Participant Portal, Funding opportunities, **CALLS**

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

Webové aplikace SEMINÁŘE:

<https://researchapp.vscht.cz>

<https://research.cvut.cz/>



**Děkuji za pozornost!**

Ing. Anna Mittnerová

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[http://www.vscht.cz/homepage/veda/index/Profil\\_vav/kampus](http://www.vscht.cz/homepage/veda/index/Profil_vav/kampus)

Projekt MŠMT, EUPRO II, LE 12005