



How to Access Relevant Funding Sources in Practice?

Presenting Horizon 2020



caast-net-plus.org

Building Bi-regional Partnerships for Global Challenges



CAAST-Net Plus is funded by the European Union's Seventh Framework Programme for Research and Technological Development (FP7/2007-2013) under grant agreement n° 311806. This document reflects only the author's views and the European Union cannot be held liable for any use that may be made of the information contained herein.

Author(s): Melissa Plath

Organisation Name(s): UniPID, University of Jyväskylä
17.2.2017

The strategy of European Union

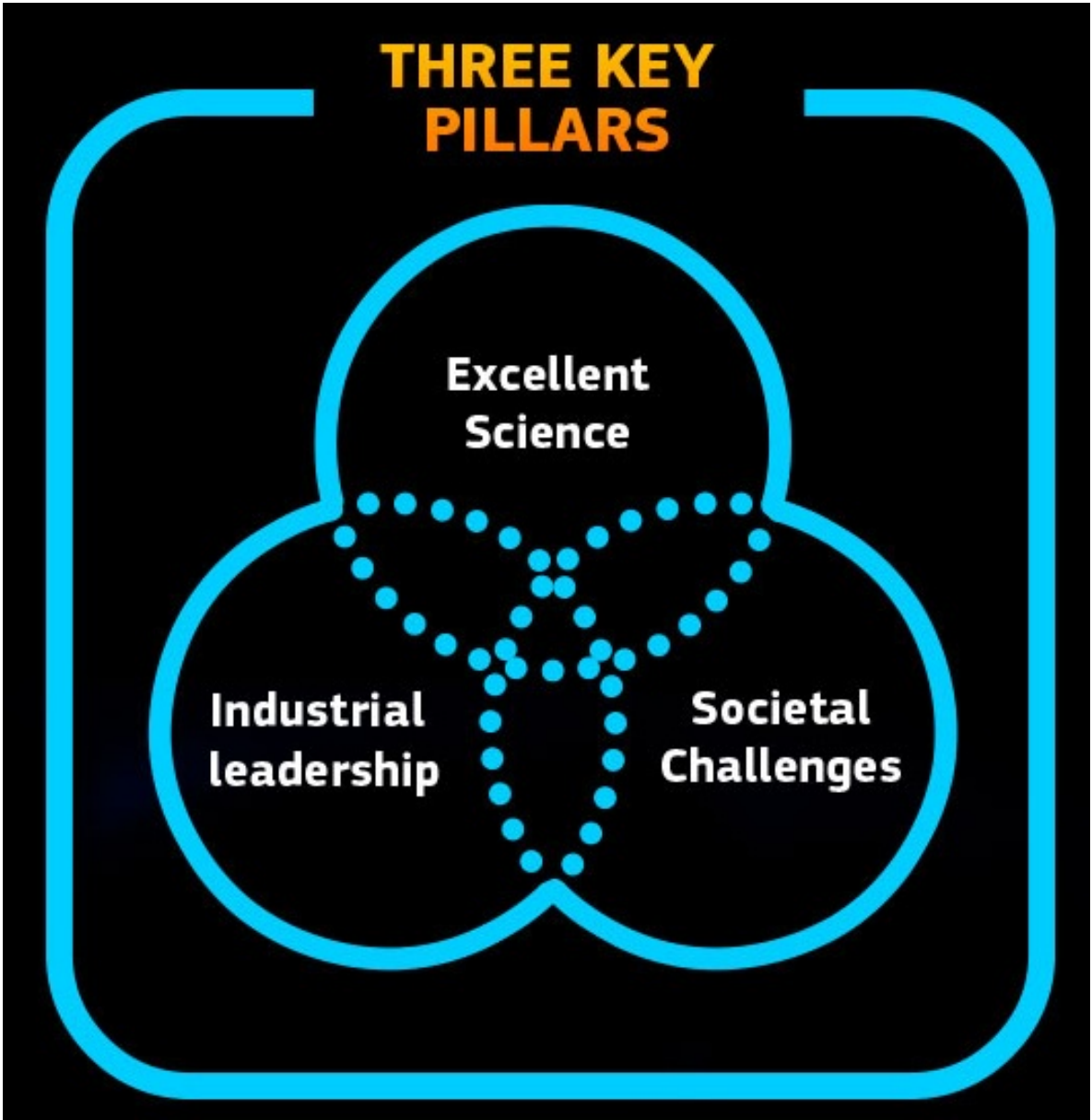
Horizon 2020 is the financial tool of European Union in order to implement policies such, as the Innovation Union, a political initiation in the framework of Europe 2020 strategy.



What is Horizon 2020

- €80 billion **research and innovation** funding programme
- 7 year programme: **2014-2020**
- Goal of the programme is to ensure **Europe** produces world-class science and technology that drives economic growth
- A response to economic crisis by **investing in future jobs and growth**
- Addressing people's concerns about their **livelihoods, safety, and environment**





Excellent Science

Aim to bolster the EU's position as a world leader in science, attract the best researchers, and help scientists collaborate and share ideas across Europe.

- **European Research Council**

Supporting top researchers from anywhere in the world to work in Europe

- **Future and Emerging Technologies**

Supporting visionary thinking through collaborations between science and engineering

- **Marie Skodowska-Curie Actions**

Providing opportunities for training and career development of individual researchers

- **Infrastructures - including e-infrastructure**

Ensuring access to world-class facilities

Industrial Leadership

Investing in promising and strategic technologies and encouraging businesses to invest more in research, and target areas where they can work with the public sector to boost innovation.

- **Leadership in enabling and industrial technologies**

Emphasizing key technologies in areas such as advanced manufacturing, microelectronics, nanotechnology, biotechnology, ICT, and space

Societal Challenges

Seven priority challenges where targeted investment in research and innovation can have a real impact benefitting the citizen

- **Health, demographic change and wellbeing**
- **Food security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy**
- **Secure, Clean and Efficient Energy**
- **Smart, Green and Integrated Transport**
- **Climate Action, Environment, 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**

Horizon 2020: Open to the World

Horizon 2020 is open to participation of researchers from anywhere in the world, to:

- ✓ Extend the frontiers of scientific knowledge
- ✓ Tackle challenges that affect us all
- ✓ Make industries more competitive



Photo by Pete Lewis / Department for International Development

Horizon 2020: Open to the World



Horizon 2020: Open to the World

1. Projects can include international partners

2. Targeted Opening

- In certain topics in calls for proposals, inclusion of international partners may be encouraged or required

3. Coordinated calls

- Used for specific actions (e.g. identified through joint steering committees). Paired calls, linked evaluations, two contracts, e.g.
 - EU-Japan R&D Cooperation in Net Futures
 - Partnering with Brazil on advanced biofuels

Participation in Horizon 2020

Legal entities from EU Member States and Associated Countries

- A **legal entity** is defined as “any natural person, or any legal person created and recognised as such under national law, European Union law or international law, which has legal personality and which may, acting in tis own name, exercise rights and be subject to obligations

Legal entities established in International Cooperation Partner Countries (ICPC-INCO), including African countries

- If provided for in a Strategic Programme or a Work Programme, or
- If essential for carrying out an action, or
- If provision for funding is provided for in a bilateral agreement between Community and that country

Participation in Horizon 2020



Building Bi-regional Partnerships for Global Challenges

Participation in Horizon 2020

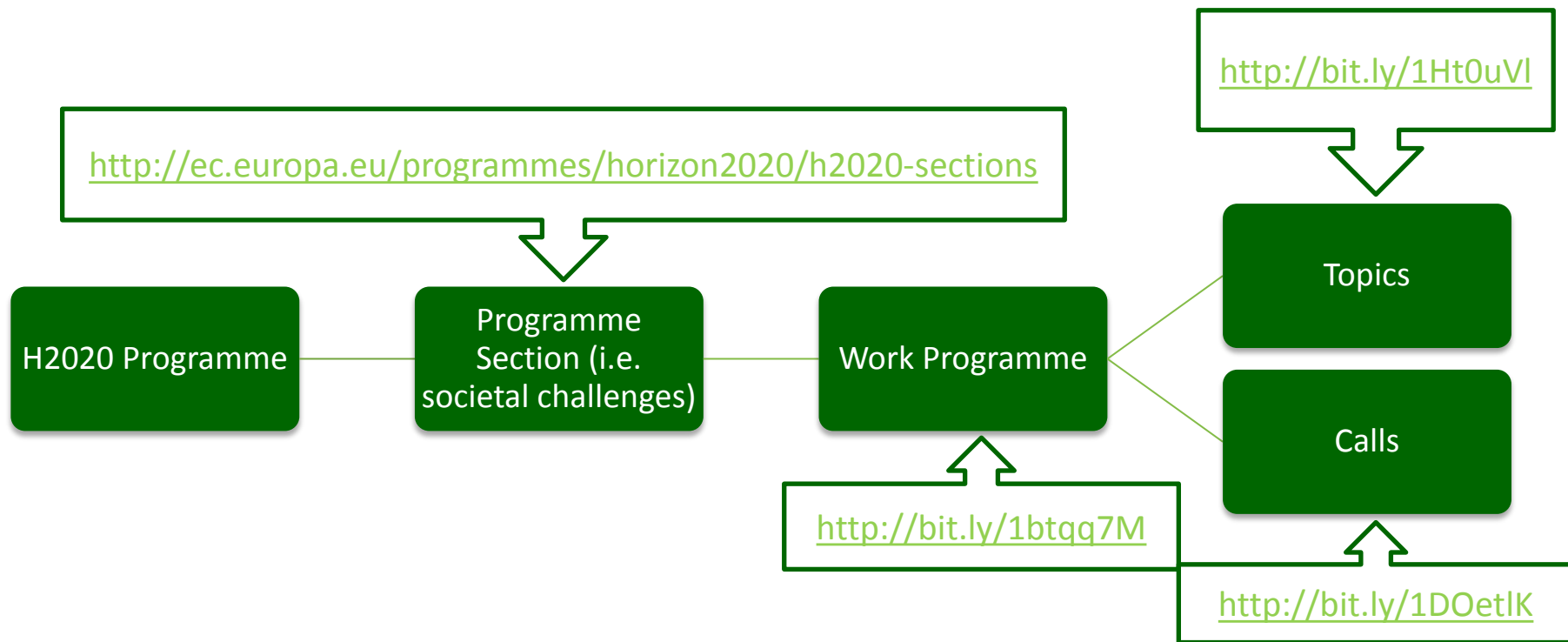
Research and Innovation Actions		Innovation Actions	
Funding for projects tackling clearly defined challenges, which can lead to the development of new knowledge or a new technology.		Funding focused on closer-to-the-market activities.	
Who?	Minimum 3 independent legal entities from 3 different EU MS or AC <ul style="list-style-type: none"> Additional information may be defined in the Work Programme 	Who?	Minimum 3 independent legal entities from 3 different EU MS or AC <ul style="list-style-type: none"> Additional information may be defined in the Work Programme
Funding Rate	100% funding for all activities and participants	Funding Rate	70% funding for all activities and most participants <ul style="list-style-type: none"> 100% reimbursement possible for non-profit organizations
Overhead Rate	25%	Overhead Rate	25%

Participation in Horizon 2020

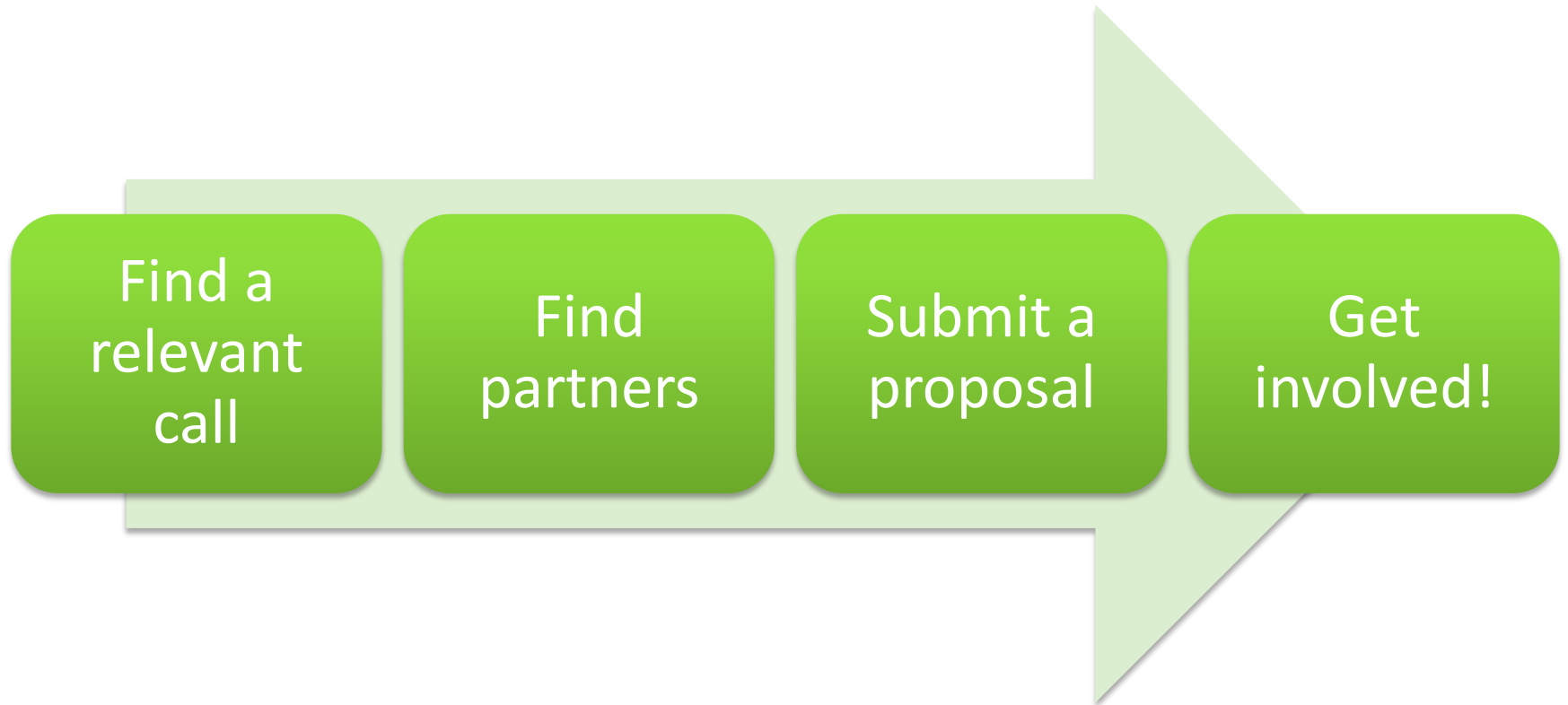
Coordination and Support Actions		Marie Skłodowska-Curie Actions	
Funding covers the coordination and networking of research and innovation projects, programmes, and policies. <i>Funding for research and innovation per se is not eligible.</i>		Funding for international research fellowships in the public or private sector, research, training, staff exchanges	
Who?	Single entities or consortia of partners from different countries, industry, and academia <ul style="list-style-type: none"> Additional information may be defined in the Work Programme 	Who?	Early stage researchers or experienced researchers (of any nationality), technical staff, national/regional research mobility programmes <ul style="list-style-type: none"> Additional information may be defined in the Work Programme
Funding Rate	100% funding for all activities and participants	Funding Rate	100% funding for all activities and most participants
Overhead Rate	25%	Overhead Rate	25%

Relationships in Horizon 2020

Key Items



How does it work?





Societal Challenge 5: Climate action, environment, resource efficiency and raw materials

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-climate_en.pdf

caast-net-plus.org

Building Bi-regional Partnerships for Global Challenges



CAAST-Net Plus is funded by the European Union's Seventh Framework Programme for Research and Technological Development (FP7/2007-2013) under grant agreement n° 311806. This document reflects only the author's views and the European Union cannot be held liable for any use that may be made of the information contained herein.

Author(s): Melissa Plath, Osku Haapasaari

Organisation Name(s): UniPID/University of Jyväskylä

25.9.2016

Societal Challenge 5: General Information

Climate action, environment, resource efficiency and raw materials

Objective is to achieve a resource – and water – efficient and climate change resilient economy and society, the protection and sustainable management of natural resources and ecosystems, and a sustainable supply and use of raw materials, in order to meet the needs of a growing global population within the limits of the planet's natural resources and eco-systems.

- Actions will:
 - Address gaps in the knowledge base
 - Identifying policies, methods, & tools to tackle challenges
- 2016-2017 focus on:
 - Greening the economy

Societal Challenge 5: Green Economy

Climate Services

Aim to build Europe's capacity to respond to and improve resilience to climate change by strengthening significantly the nascent global market for demand-driven climate services for both climate change mitigation and adaptation needs.

- 2016-2017 focus on:
 - Exploiting the added value of climate services
 - Integrated European regional modelling and climate prediction system
 - Climate services market research
 - Towards a robust and comprehensive greenhouse gas verification system
 - A 1.5 million year look into the past for improving climate predictions

> Research and innovation actions

Societal Challenge 5: Climate/ Overview

Topics

SC5-1-2016/2017: Exploiting the added value of climate services

SC5-2-2017: Integrated European regional modelling and climate prediction system

SC5-4-2017: Towards a robust and comprehensive greenhouse gas verification system

SC5-6-2016/2017: Pathways towards the decarbonisation and resilience of the European economy in the timeframe 2030-2050 and beyond

SC5-7-2017: Coordinating and supporting research and innovation actions on the decarbonisation of the EU economy

SC5-8-2017: Large-scale demonstrators on nature-based solutions for hydrometeorological risk reduction

SC5-13-2016-2017: New solutions for sustainable production of raw materials

SC5-14-2016-2017: Raw materials Innovation actions

SC5-15-2016-2017: Raw materials policy support actions

SC5-16-2016-2017: Raw materials international co-operation

SC5-18-2017: Novel in-situ observation systems

SC5-19-2017: Coordination of citizen observatories initiatives

SC5-21-2016-2017: Cultural heritage as a driver for sustainable growth

SC5-22-2017: Innovative financing, business and governance models for adaptive re-use of cultural heritage

Societal Challenge 5: Climate/ Overview

Topics

SC5-26-2017: Pre-commercial procurement on soil decontamination

SC5-30-2017: ERA-NET on Climate Services Roadmap: Cross-sector impact assessments (evaluation, comparison, and integration)

SC5-31-2017: Widening international cooperation activities on climate adaptation and mitigation

SC5-32-2017: Biodiversity scenarios

SC5-33-2017: Closing the water gap

Societal Challenge 5: Climate Change

SC5-31-2017: Widening international cooperation activities on climate adaptation and mitigation

Call: H2020-SC5-2016-2017

Deadline: 7.3.2017

[Link](#)

Specific Challenge: The aim of this CSA is to further open the JPI Climate to international cooperation partners, including in Latin America, **Africa** or Asia, and to encourage engagement of a wider group of EU Member States and thus contribute to creating a coherent European Research Area open to the world. In addition, this action should consolidate the alignment of the R&I agendas of national, European Commission and other key players related to climate issues. Providing integrated, qualified climate knowledge and decision support services across sectors internationally is the main target, well in line with Horizon 2020 and SFIC strategies for internationalization of European skills at a time when research and innovation requirements for the Sustainable Development Goals (2016-2030) have been launched at United Nations level.

Scope:

Proposals should aim to create a framework and permanent dialogue to encourage, in a structured and strategic manner, the opening of the JPI Climate to **international cooperation** with key international climate research and innovation programmes, as well as funding and investment institutions. Proposals should also undertake activities to align with and support the 2030 Agenda for Sustainable Development, in particular on climate change resilience, adaptation, mitigation and disaster risk reduction. Flagship actions for possible joint funding with members of the JPI Water, JPI Urban Europe, JPI Oceans or key international cooperation partners and international programmes of strategic importance for the EU, such as the Belmont Forum, should also be identified and prepared for in advance.

Societal Challenge 5: Climate Change

Scope (continued):

This action should also organize and develop the knowledge base required to address climate challenges and EU policy priorities within a global perspective. This can be accomplished by providing open and integrated analysis of research results and recommendations to the United Nations Framework Convention on Climate Change to combat climate change and its impacts. It should aim to contribute to: strengthening resilience and adaptive capacity to climate related hazards; integrating climate change measures into national policies, strategies, and planning; improving education, awareness raising and human and institutional capacity on climate change mitigation, resource efficiency, adaptation, impact reduction, early warning and resilience to disasters; supporting LICs/LMICs in the context of meaningful mitigation actions and transparency on implementation, operationalization and evaluation of the Green Climate Fund; promoting mechanisms for raising capacities for effective climate change related planning and management in LICs/LMICs, including focusing on women, youth, local and marginalized communities.



Marie Skłodowska-Curie Actions

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-msca_en.pdf

caast-net-plus.org

Building Bi-regional Partnerships for Global Challenges



CAAST-Net Plus is funded by the European Union's Seventh Framework Programme for Research and Technological Development (FP7/2007-2013) under grant agreement n° 311806. This document reflects only the author's views and the European Union cannot be held liable for any use that may be made of the information contained herein.

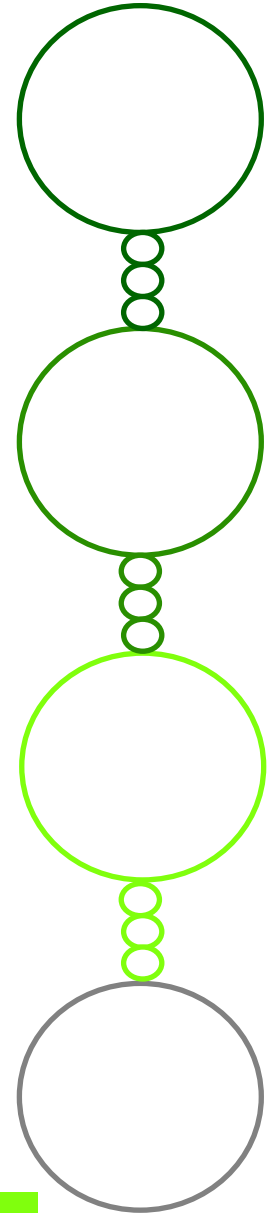
Author(s): Melissa Plath, Osku Haapasaari

Organisation Name(s): UniPID/University of Jyväskylä

25.9.2016

MSCA in Brief

- **Mobility** of researchers from all over the world
- Focus on **training and career development** of researchers
- Participation of **non-academic sector** strong encouraged, especially industry and SMEs
- For researchers at **all stages of their careers**
- Researchers working across **all disciplines** are eligible for funding (bottom-up approach)
- Promotion of attractive working and employment conditions (**financing rate of 100%**)



MSCA in Brief

Marie Skłodowska-Curie Actions



ITN

Innovative Training Networks

What does it offer?

High-quality research training delivered through interdisciplinary networks, industrial doctorates or joint doctorates.

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers at doctoral level (less than 4 years of full-time research experience and no doctoral degree)

Call details:

Opens: 15 September 2016
Closes: 10 January 2017
at 17:00:00 Brussels time
Budget: 430MC



IF

Individual Fellowships

What does it offer?

Opportunities to work on personal research projects by moving between countries and possible sectors to acquire new skills.

Who applies?

Individual researchers together with the host organisations

Who is funded?

Postdoctoral researchers

Call details:

Opens: 11 April 2017
Closes: 14 September 2017
at 17:00:00 Brussels time
Budget: 248MC



RISE

Research & Innovation Staff Exchange

What does it offer?

The exchanges of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge.

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers, technical administrative and managerial staff of any nationality and at all career levels

Call details:

Opens: 1 December 2016
Closes: 5 April 2017
at 17:00:00 Brussels time
Budget: 80MC



COFUND

Co-Funding of Regional, National & International Programmes

What does it offer?

Regional national or international programmes to foster excellence in training mobility and career development of researchers

Who applies?

Organisations funding or managing doctoral or fellowships programmes

Who is funded?

Researchers at doctoral and postdoctoral level

Call details:

Opens: 5 April 2017
Closes: 28 September 2017
at 17:00:00 Brussels time
Budget: 80MC

Want more information?

Horizon 2020: <http://ec.europa.eu/programmes/horizon2020/>

All Open Calls: <http://bit.ly/1NsU9yZ>

International Cooperation in Horizon 2020:

<http://bit.ly/1mupFMK>

Reference Documents: <http://bit.ly/IFEGf1>

Check out the **2018-2020 Work Programme Preparation** from the sections' sites:

<http://ec.europa.eu/programmes/horizon2020/h2020-sections>

LEAP-Agri in Short



A Long term EU-Africa research and innovation Partnership on food and nutrition security and sustainable AGRIculture

AVAILABLE FUNDS: €27.6 million

DEADLINE: 15 June 2017, 14:00 CEST

Consortia must include 2 partners from the following African countries

African countries: Algeria, Burkina Faso, Cameroon, Egypt, Ghana, Kenya, Senegal, South Africa, **Uganda**

And 2 partners from the following European countries

European countries: Belgium, Finland, France, Germany, The Netherlands, Norway, Portugal, Spain, Turkey

International organizations: CIHEAM-IAMB

<http://www.leap-agri.com/>

LEAP-Agri in Short



A Long term EU-Africa research and innovation Partnership on food and nutrition security and sustainable AGRIculture

Aim: Develop practical solutions in a research process aimed at improving the agricultural sector and food security

- Projects should take into consideration the agricultural value chain
- Participation of private partners and inclusion of stakeholders in the project is strongly encouraged
- Projects must take into consideration equality and diversity issues, especially gender and youth

<http://www.leap-agri.com/>

LEAP-Agri in Short



A Long term EU-Africa research and innovation Partnership on food and nutrition security and sustainable AGRIculture

Proposals must address one or more of the thematic areas:

1. Sustainable agricultural production intensification, in relation with social, economic and environment aspects, including aquaculture
2. Population nutrition and health in relation with agriculture and food systems
3. Access to food, expansion and improvement of agricultural markets and trade, including local and territorial dynamics

<http://www.leap-agri.com/>

Thank you



caast-net-plus.org

CAAST-Net Plus

Building bi-regional partnerships for global challenges



CAAST-Net Plus is funded by the European Union's Seventh Framework Programme for Research and Technological Development (FP7/2007-2013) under grant agreement n° 311806. This document reflects only the author's views and the European Union cannot be held liable for any use that may be made of the information contained herein.

Author(s): Melissa Plath, Osku Haapasaari

Organisation Name(s): UniPID, University of Jyväskylä

25.9.2016