



## **Horizon 2020 calls for proposals relevant for the African-European Radio Astronomy Platform**

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# 1. EXCELLENT SCIENCE

## 1.1. European Research Council

### 1.1.1. ERC Starting Grant (ERC-2014-STG)

- Scope: ERC Starting Grants are designed to support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme. This action is open to young researchers (2-7 years after PhD) of any nationality who intend to conduct their research activity in any Member State or Associated Country. The ERC's frontier research grants operate on a 'bottom-up' basis without predetermined priorities. The call 'ERC-2014-STG' consists of one call with a single deadline applying to each of the three main research domains:
  - Physical Sciences & Engineering (Panels: PE1 – PE10)
  - Life Sciences (Panels: LS1 – LS9)
  - Social Sciences & Humanities (Panels: SH1 – SH6).
- Funding available: EUR 485,039,385
- Eligible researchers:
  - Young researchers who shall have been awarded their first PhD at least 2 and up to 7 years prior to the publication date of the call for proposals of the ERC Starting Grant
  - A competitive Starting Grant Principal Investigator must have already shown the potential for research independence and evidence of maturity. For example, it is expected that applicants will have produced at least one important publication without the participation of their PhD supervisor.
  - More details [here](#) (p.20)
- Publication date: 11/12/2013
- Deadline: 25/03/2014, 17:00:00 (Brussels local time)
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/erc-2014-stg.html>

### 1.1.2. ERC Consolidator Grant (ERC-2014-CoG)

- Scope: ERC Consolidator Grants are designed to support excellent Principal Investigators at the career stage at which they may still be consolidating their own independent research team or programme. This action is open to researchers of any nationality who intend to conduct their research activity in any Member State or Associated Country. The ERC's frontier research grants operate on a 'bottom-up' basis without predetermined priorities. The call 'ERC-2014-CoG' consists of one call with a single deadline applying to each of the three main research domains:
  - Physical Sciences & Engineering (Panels: PE1 – PE10)
  - Life Sciences (Panels: LS1 – LS9)

- Social Sciences & Humanities (Panels: SH1 – SH6).
- Funding available: EUR 712,588,727
- Eligible researchers:
  - Advanced researchers who shall have been awarded their first PhD at least 7 and up to 12 years prior to the publication date of the call for proposals of the ERC Starting Grant
  - A competitive Starting Grant Principal Investigator must have already shown the potential for research independence and evidence of maturity. For example, it is expected that applicants will have produced several important publication without the participation of their PhD supervisor.
  - More details [here](#) (p.22)
- Publication date: 11/12/2013
- Deadline: 2/04/2014, 17:00:00 (Brussels local time)
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/erc-2014-cog.html>

## 1.2.Future and Emerging Technologies

### 1.2.1. Call “FETOPEN 1 – 2014/2015: FET-Open research projects”, p. 6

- Scope: This call aims to support early-stage joint science and technology research for radically new future technological possibilities. It is entirely non-prescriptive with regards to the nature or purpose of the technologies that are envisaged and thus targets mainly the unexpected. A bottom-up selection process will build up a diverse portfolio of projects. The call will support a large set of early stage, high risk visionary science and technology collaborative research projects which is necessary for the successful exploration of new foundations for radically new future technologies.
- Expected impact: The funded projects should initiate a radically new line of technology by establishing Proof-of-Principle of a new technological possibility. Additionally, it shall kick-start an emerging innovation eco-system of high-potential actors.
- Type of action: Research and Innovation Actions (100% funded)
- Funding available: 154 million Euros = 77 million Euros for the first deadline in 2014, 37 million Euros for second deadline in spring 2015 and 40 million Euros for third deadline in autumn 2015 (for all deadlines, mainly requests for small<sup>1</sup> contributions are expected but large<sup>2</sup> contributions are possible as well)
- Eligible consortium partners: Please check [here](#) for details. The active involvement of new and high-potential research and innovation players, which

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<sup>1</sup> 2-4 million Euros

<sup>2</sup> 5-8 million Euros

may become the European scientific and technological leaders of the future, is encouraged.

- Publication date: 11/12/2013
- Deadline: 30/09/2014
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-fetopen-2014-2015-1.html>

**1.2.2. Call “FETHPC 1 - 2014: HPC Core Technologies, Programming Environments and Algorithms for Extreme Parallelism and Extreme Data Applications” (FET-Proactive - towards exascale high performance computing), p.20**

- Scope: This call aims as at contributing to the achievement of achievement of the full range of technological capabilities needed for delivering a broad spectrum of extreme scale HPC systems. The designs of these systems need to respond to critical demands of energy efficiency, new delivery models, as well as to the requirements of new types of applications, including extreme-data applications. At least one of four different topics need to be addresses (see call for details).
- Expected impact: The funded projects should contribute to the realisation of the ETP4HPC Strategic Research Agenda and strengthen thus European research and industrial leadership in HPC technologies.
- Type of action: Research and Innovation Actions (100% funded).
- Funding available: 97.4 million Euros (mainly requests for small<sup>3</sup> contributions are expected but large<sup>4</sup> contributions are expected for topic a)A minimum of 60% of the available budget will be allocated to research under topic a) of the scope.
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 11/12/2013
- Deadline: 25/11/2014, 17:00 Brussels time
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2202-fethpc-1-2014.html>

**1.2.3. Call “FETHPC 2 - 2014: HPC Ecosystem Development” (FET-Proactive - towards exascale high performance computing), p.21**

- Scope: This call aims at developing a sustainable European HPC Ecosystem. Proposals shall address either topic a) “Coordination of HPC Strategy” or topic b) “Excellence in High Performance Computing Systems”.
- Expected impact: The funded projects should contribute to the realisation of the ETP4HPC Strategic Research Agenda and strengthen thus European research and industrial leadership in the supply, operation and use of HPC systems.

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<sup>3</sup>2-4 million Euros

<sup>4</sup> 5-8 million Euros

- Type of action: Research and Innovation Actions (100% funded).
- Funding available: 4 million Euros (requests for small<sup>5</sup> contributions are expected).
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 11/12/2013
- Deadline: 25/11/2014, 17:00 Brussels time
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2203-fethpc-2-2014.html>

### 1.3. Work programme “Marie Skłodowska-Curie Actions”

#### 1.3.1. Call “Marie Skłodowska-Curie Innovative Training Networks (ITN)”, H2020-MSCA-ITN-2014, pg.5

- Scope: ITN supports joint research training and/or doctoral programmes, implemented by partnerships of universities, research institutions, research infrastructures, businesses or SMEs. The programme should exploit complementary competences of the participants, and enable networking activities, the organisation of workshops and conferences to facilitate sharing of knowledge, new skills acquisition and the career development of researchers.
- Expected impact: ITN will create and contribute to high-quality innovative research and doctoral training, build capacity, and have a structuring effect throughout Europe and beyond.
- Type of action: Marie Skłodowska-Curie action.
- Funding available: 405.18 million Euros from the 2014 budget. Of this amount, 25.5 million is allocated to European Industrial Doctorates and 30 million is allocated to European Joint Doctorates.
- Duration: The maximum duration of support will be four years from the starting date specified in the Agreement.
- Eligible consortium partners: Participants in ETN and EJD resulting from this call are NOT required to conclude a consortium agreement, as the main focus of activities is on research training and career development.
- Publication date: 11/12/2013
- Deadline: 09/04/2014 at 17:00 Brussels time.
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-msca-itn-2014.html>

**\*Note:** This call will also be funded from the 2015 budget. In this case, all elements pertaining to the call remain unchanged, except for the following:

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<sup>5</sup> 2-4 million Euros

- Funding available: 370.00 million Euros from the 2015 budget. Of this amount, 25 million is allocated to European Industrial Doctorates and 28 million is allocated to European Joint Doctorates.
- Deadline: 13/01/2015 at 17:00 Brussels time.

**1.3.2. Call “Marie Skłodowska-Curie Individual Fellowships (IF)”, H2020-MSCA-IF-2014, pg. 8**

- Scope: Support is foreseen for individual, trans-national fellowships awarded to the best or most promising researchers for employment in EU Member States or Associated Countries. Fellowships are either European Fellowships or Global Fellowships; the latter are based on a secondment to a third country and a mandatory 12 month return period to a European host.
- Expected impact: The fellowship will contribute to realising the full potential of researchers and to catalysing significant development in their careers in both the academic and non-academic sectors.
- Type of action: Marie Skłodowska-Curie action.
- Funding available: 240.50 million Euros from the 2014 budget. Of this amount, 29 million is allocated to Global Fellowships.
- Duration: IF European: 12-24 months; IF Global: 12-24 months for the outgoing phase plus 12 month return phase in Europe.
- Eligible consortium partners: Not applicable - this is a mono-beneficiary action.
- Publication date: 11/12/2013 (not yet on participants portal)
- Deadline: 11/09/2014 at 17:00 Brussels time.
- Link:  
[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/main/h2020-wp1415-msca\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-msca_en.pdf)

**\*Note:** This call will also be funded from the 2015 budget. In this case, all elements pertaining to the call remain unchanged, except for the following:

- Funding available: 213.00 million Euros from the 2015 budget. Of this amount, 27 million is allocated to Global Fellowships.
- Deadline: 10/09/2015 at 17:00 Brussels time.

**1.3.3. Call “Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)”, H2020-MSCA-RISE-2014, pg. 11**

- Scope: The RISE scheme will promote international and inter-sector collaboration through research and innovation staff exchanges, and sharing of knowledge and ideas from research to market (and vice-versa) for the advancement of science and the development of innovation. RISE involves organisations from the academic and non-academic sectors, based in Europe (EU Member States and Associated countries) and outside Europe (third countries).



- Expected impact: Research and innovation activities under RISE are expected to build or enhance new and existing networks of international and inter-sectoral cooperation. They will significantly strengthen the interaction between organisations in the academic and non-academic sectors, and between Europe and third countries.
- Type of action: Marie Skłodowska-Curie action.
- Funding available: 70 million Euros from the 2014 budget.
- Duration: The maximum duration of support will be four years from the starting date specified in the Agreement.
- Eligible consortium partners: Participants in actions resulting from this call are NOT required to conclude a consortium agreement, as the main focus of activities is on staff exchanges.
- Publication date: 11/12/2013
- Deadline: 24/04/2014 at 17:00 Brussels time.
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/59-msca-rise-2014.html>

**\*Note:** This call will also be funded from the 2015 budget. In this case, all elements pertaining to the call remain unchanged, except for the following:

- Funding available: 80 million Euros from the 2015 budget.
- Deadline: 28/04/2015 at 17:00 Brussels time.

## **1.4. Work programme “European Research Infrastructures (including eInfrastructures)”**

### **1.4.1. Call “INFRAIA-1-2014/2015: Integrating and opening existing national and regional research infrastructures of European interest”, p.14**

- Scope: The aim of this action is to bring together, integrate on European scale, and open up key national and regional research infrastructures to all European researchers, from both academia and industry, ensuring their optimal use and joint development. Funding will be provided to support, in particular, the transnational and virtual access activities provided to European researchers (and of researchers from Third Countries under certain conditions), the cooperation between research infrastructures, scientific communities, industries and other stakeholders, the improvement of the services the infrastructures provide, the harmonisation, optimisation and improvement of access procedures and interfaces.
- One or, where appropriate, more of several areas listed shall be addressed. One of the areas is: European laboratory astrophysics
- Expected impact: Researchers will be provided with a wider, simplified, and more efficient access to the best research infrastructures they require to conduct their research, irrespective of location.

- Type of action: Research and Innovation Actions.
- Funding available: 140 million Euros = 90 million for 2014 and 50 million for 2015
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 11/12/2013, Commission expects to open the proposal submission system for this Call in January 2014.
- Deadline: 02/09/2014, 17:00 Brussels time
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-infraia-2014-2015.html>

**1.4.2. Call “INFRASUPP-3-2014 - Strengthening the human capital of research infrastructures (Support to innovation, human resources, policy and international cooperation), p.42**

- Scope: The activity will support the training of staff managing and operating research infrastructures. A proposal under this topic should build on the past activities and the experience gained in the projects such as RAMIRI (Realising and Managing International Research Infrastructures). It should engage with universities and prepare curricula and courses specifically for pan-European research infrastructures to address their intercultural and interdisciplinary nature as well as their diversity (global, highly distributed, single site etc.). A significant use of interactive online training material should be considered.
- Expected impact: This activity will improve and professionalise the training of the staff managing and operating research infrastructures of European interest, strengthen the human capital of the involved research infrastructures, stimulating their efficient management and therefore promoting their development and competitiveness at national, European and international level.
- Type of action: Coordination and support actions.
- Funding available: 20 million Euros
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 11/12/2013 (not yet on participants portal)
- Deadline: 02/09/2014, 17:00 Brussels time
- Link:  
[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/main/h2020-wp1415-infrastructures\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-infrastructures_en.pdf) (p.42)

**1.4.3. Call “INFRASUPP-6-2014 – International cooperation for research infrastructures (Support to innovation, human resources, policy and international cooperation), p.45**

- Scope: This research infrastructures activity will focus on a number of key third countries seen as strategic for the development, exploitation and management of world-class research infrastructures. The G8+O5 countries<sup>6</sup> plus Australia, singularly or in their entirety, for the purposes of the Group of

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<sup>6</sup>Canada, France, Germany, Italy, Japan, Russia, the United Kingdom, the United States), Brazil, China, India, Mexico, and South Africa.

Senior Officials (GSO) on Global Research Infrastructures, are also included, without excluding the possibility of cooperation with other interested third countries or regional bodies. One of the areas that shall be addressed is the support of bilateral cooperation on research infrastructures with Africa. The proposal shall build on the past experience and achievements gained in the Seventh Framework Programme project PAERIP (Promoting African – European Research Infrastructure Partnerships).

- Expected impact: This activity will mainly develop cooperation with key international partners for research infrastructures.
- Type of action: Coordination and support actions.
- Funding available: 7 million Euros
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 11/12/2013 (not yet on participants portal)
- Deadline: 02/09/2014, 17:00 Brussels time
- Link: [http://ec.europa.eu/research/horizon2020/pdf/work-programmes/european\\_research\\_infrastructures\\_draft\\_work\\_programme.pdf#view=fit&pagemode=none](http://ec.europa.eu/research/horizon2020/pdf/work-programmes/european_research_infrastructures_draft_work_programme.pdf#view=fit&pagemode=none)

## 2. INDUSTRIAL LEADERSHIP

### 2.1. Work programme “Information and Communication Technologies”

#### 2.1.1. Call “ICT 4 - 2015: Customised and low power computing”, p. 13

- Scope: The main scope are projects focusing on the development of low power computing continuum spanning embedded systems, mobile devices, desktops, data centres, etc. Beyond performance, optimisation should include energy efficiency, timecriticality, dependability, data movement, security and cost-effectiveness. Innovation Actions should aim at stimulating broad adoption of customised low power computing technologies. Support actions should focus on cross-sectorial cooperation, clustering of related research projects and dissemination of programme achievements.
- Expected impact: The expected impact is to reinforce and broaden Europe's strong position in low-power computing and to reduce thus energy consumption.
- Type of action: Research and Innovation Actions, Innovation Actions, Support Actions.
- Funding available:
  - Research and Innovation Actions: 37 million Euros (proposals can request small<sup>7</sup> and large<sup>8</sup> contributions)

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<sup>7</sup>2-4 million Euros

<sup>8</sup>5-8 million Euros

- Innovation Actions: 17 million Euros (proposals can request small and large contributions)
- Coordination and Support Actions: 3 million Euros
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 15/10/2014
- Deadline: 14/04/2015 at 17:00 Brussels time
- Link:  
[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/main/h2020-wp1415-leit-ict\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-leit-ict_en.pdf) (p.13)

**2.1.2. Call “ICT 7 - 2014: Advanced Cloud Infrastructures and Services” (Advanced Computing), p.19**

- Scope: The aim is to develop infrastructures, methods and tools for high performance, adaptive cloud applications and services that go beyond the current capabilities. Proposals should respond to the advent of faster and more efficient machines, rising heterogeneity of access modes and devices, demand for low energy solutions, widespread use of big data, federated clouds and secure multi-actor environments including public administrations.
- Expected impact: The funded projects should increase significantly the quality of user experience and trust in clouds and demonstrate cloud-based services in federated, heterogeneous and multi-layered cloud environments.
- Type of action: Research and Innovation Actions, Innovation Actions, Support Actions.
- Funding available:
  - Research and Innovation Actions: 66 million Euros (proposals can request small<sup>9</sup> and large<sup>10</sup> contributions)
  - Innovation Actions: 5 million Euros (proposals can request small contributions)
  - Coordination and Support Actions: 2 million Euros
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 11/12/2013
- Deadline: 23/04/2014 at 17:00 Brussels time
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/83-ict-07-2014.html>

**2.1.3. Call “ICT 16 – 2015: Big data - research” (Content technologies and information management), p.38**

- Scope: The activities supported under this topic contribute to the Big Data challenge by addressing the fundamental research problems related to the scalability and responsiveness of analytics capabilities (such as privacy-aware machine learning, language understanding, data mining and visualization).

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<sup>9</sup>2-4 million Euros

<sup>10</sup>5-8 million Euros

Special focus is on industry validated, user-defined challenges like predictions, and rigorous processes for monitoring and measurement.

- Expected impact: The funded projects should increase the ability to track publicly and quantitatively progress in the performance and optimization of very large scale data analytics technologies and advance real-time and predictive data analytics technologies.
- Type of action: Research and Innovation Actions, Support Actions.
- Funding available:
  - Research and Innovation Actions: 38 million Euros (proposals can request small<sup>11</sup> and large<sup>12</sup> contributions)
  - Coordination and Support Actions: 1 million Euros
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 15/10/2014
- Deadline: 14/04/2015 at 17:00 Brussels time
- Link:  
[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/main/h2020-wp1415-leit-ict\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-leit-ict_en.pdf) (p.38)

#### **2.1.4. Call “ICT 20 - 2015: Technologies for better human learning and teaching” (Content technologies and information management), p.44**

- Scope: Activities will focus on innovative technologies for learning, on the underpinning interoperability standards and on the integration of different components into smart learning environments. They should combine different technologies (e.g. mobile, augmented reality, natural interaction technologies) and support composing, re-using and distributing interactive educational content and services, with assessment and feedback functionalities.
- Expected impact: The funded projects should reinforce European leadership in adaptive learning technologies for the personalisation of learning experiences.
- Type of action: Research and Innovation Actions (a- Research experimentations on smart learning environments, b-establishment of a technology platform), Innovation Actions, Public procurement of innovative devices and software (PPI)
- Funding available:
  - Research and Innovation Actions (Research experimentations on smart learning environments): 9 million Euros (proposals can request small<sup>13</sup> contributions)
  - Research and Innovation Actions (Establishment of technology platform): 5 million Euros (proposals can request small<sup>14</sup> contributions)
  - Innovation Actions: 28 million Euros (proposals can request large<sup>15</sup> contributions)

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<sup>11</sup>2-4 million Euros

<sup>12</sup>5-8 million Euros

<sup>13</sup>2-4 million Euros

<sup>14</sup>2-4 million Euros

<sup>15</sup>5-8 million Euros

- Public procurement of innovative devices and software (PPI): 10 million Euros (proposals can request large contributions)
- Eligible consortium partners: Please check [here](#) for details.
- Publication date: 15/10/2014
- Deadline: 14/04/2015 at 17:00 Brussels time
- Link:  
[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/main/h2020-wp1415-leit-ict\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-leit-ict_en.pdf) (p.44)

### **2.1.5. Call “ICT 39 - 2015: International partnership building in low and middle income countries” (International Cooperation actions), p.81**

- Scope: The aim is to launch a set of targeted collaborative research projects addressing the requirements of end-user communities in developing countries. Specific technological targets could include for example co-design, adaptation, demonstration and validation (e.g. pilots) of ICT related research and innovation in relevant thematic areas addressed by Horizon 2020 including Content Technologies and Societal Challenges. Activities under this objective should be led by a clearly defined user need/market opportunity for the technology being adapted; they should in particular include requirements of developing countries.
- Expected impact: The funded projects should develop relevant technology responding to specific needs and conditions of the target country and reinforce the international dimension of the ICT and Innovation aspects of Horizon 2020.
- Type of action: Research and Innovation Actions
- Funding available: 11 million Euros (proposals can request small<sup>16</sup> contributions)
- Eligible consortium partners: Targeted countries are low and middle income countries in Sub-Saharan Africa. Further information [here](#).
- Publication date: 15/10/2014
- Deadline: 14/04/2015 at 17:00 Brussels time
- Link:  
[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014\\_2015/main/h2020-wp1415-leit-ict\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-leit-ict_en.pdf) (p.81)

## **2.2. Work programme “Space”**

### **2.2.1. Call “Competitiveness of the European Space Sector: Technology and Science” - 2014, Outreach and Communication (COMPET 10 - 2014: Outreach through education), pg. 40**

- Scope: The main delivery of the action should be an initiative capable of attracting the interest of students for space exploration, science and

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<sup>16</sup> 2-4 million Euros

technology; while creating a relevant impact in terms of news coverage, social-media interest, stakeholders' involvement, etc.

- Expected impact: The expected impact as a whole is to develop and test certain tools and mechanisms for children and/or teenagers (and potentially teachers) to know more about space science and technology and the European initiatives in this field.
- Type of action: Coordination and Support Actions.
- Funding available: 52 million Euros
- Eligible consortium partners: Participants are required to conclude a consortium agreement prior to grant agreement. The European Space Agency will not participate in consortia of proposals submitted under this call for proposals.
- Publication date: 11/12/2013
- Deadline: 26/03/2014 at 17:00 Brussels time.
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2437-compet-10-2014.html>

## 3. SOCIETAL CHALLENGES

### 3.1. Europe in a changing world - inclusive, innovative and reflective Societies

#### 3.1.1. *Enhancing and focusing research and innovation cooperation with the Union's key international partner countries - proposals targeting Russia and China (INT-01-2014), p.48*

- Scope: Supporting the policy dialogue on research and innovation between the Union and the partner in question by identifying areas where targeted international cooperation activities would be of mutual benefit and where there is the potential to generate sufficient scale and scope.
- Expected impact: More strategic priority setting for cooperation with the Union's international partners across the whole of Horizon 2020.
- Type of action: Coordination and support actions.
- Funding available: 8,350,000 Euros
- Eligible consortium partners: Proposals should be made by consortia consisting of balanced partnerships between European and international partners, ensuring adequate involvement of public authorities and other stakeholders of the participating countries. In this work programme, the following international partners are: Australia, USA, Brazil, Russia, China, South Africa, and Ukraine.
- Publication date: 11/12/2013
- Deadline: 29/04/2014

- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1065-int-01-2014.html>

### **3.1.2. Encouraging the research and innovation cooperation between the Union and selected regional partners (INT-02-2014), p.50**

- Scope: Proposals should target international partners in a regional context and should encourage cooperation between research and innovation actors from the Union and the partner in question, by promoting the opportunities offered by Horizon 2020 towards the international partner.
- Expected impact: More strategic priority setting for cooperation with the Union's international partners across the whole of Horizon 2020.
- Type of action: Coordination and support actions.
- Funding available: 8,350,000 Euros
- Eligible consortium partners: Proposals should be made by consortia consisting of balanced partnerships between European and international partners, ensuring adequate involvement of public authorities and other stakeholders of the participating countries. In this work programme the following regional partners will be targeted: Southern Mediterranean Neighbourhood, Eastern Partnership, the Black Sea region, the Middle-East and Africa. For Africa, the proposal will also include support for the implementation of activities agreed within the EU-Africa High Level Policy Dialogue, including by increasing the coordination between the activities and programmes from the Member States, the Associated Countries and the African partners.
- Publication date: 11/12/2013
- Deadline: 29/04/2014
- Link:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1066-int-02-2014.html>

## **4. SCIENCE WITH AND FOR SOCIETY**

### **4.1. Make scientific and technological careers attractive to young students**

#### **4.1.1. Innovative ways to make science education and scientific careers attractive to young people (SEAC.1.2014.2015), p.6**

- Scope: The action aims to support a range of activities, which will raise young boys' and girls' awareness of the different aspects encompassing science and technology in their societal content and to address the challenges faced by young people when pursuing careers in STEM. It aims at bringing both girls



and boys into the scientific world via formal and informal teaching and learning and to orient them towards undertaking scientific careers.

- Expected impact: In the short term, the action will coordinate and leverage Member States activities with respect to innovative approaches in the field of science education and scientific careers. In the medium term, the action will position EU research teams on the map as leaders in innovative science education methods and meeting Europe's targets regarding R&D intensity and competitiveness.
- Type of action: Research and Innovation Actions, Coordination and Support Actions
- Funding available:
  - For first part (2014): 5.6 million Euros
  - For second part (2015): 7.4 million Euros
  - (proposals requesting between 1 and 1.8 million Euros expected but higher requests also possible)
- Eligible consortium partners: Targeted countries are low and middle income countries in Sub-Saharan Africa. Further information [here](#).
- Publication date: 11/12/2013
- Deadline:
  - for first part (2014): 02/10/2014 at 17:00 Brussels time
  - for second part (2015): 16/09/2015 at 17:00 Brussels time
- Link:
  - For first part (2014):  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2423-seac-1-2014.html>
  - For second part (2015):  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2426-seac-1-2015.html>

## **ADDITIONAL CALLS OUTSIDE H2020 - ERASMUS MUNDUS PROGRAMME**

### **2014 Call for proposals: EACEA/18/13**

- Scope: Erasmus Mundus is a cooperation and mobility programme in the field of higher education that aims to enhance the quality of European higher education and to promote dialogue and understanding between people and cultures through cooperation with third countries.
- Expected impact: The Erasmus Mundus programme's overall aim is to promote European higher education, to help improve and enhance the career prospects of students and to promote intercultural understanding through cooperation with third countries, in accordance with EU external policy objectives in order

to contribute to the sustainable development of third countries in the field of higher education.

- Type of action: Action 2 – STRAND 2: Partnerships with countries and territories covered by the Industrialised Countries Instrument (ICI)
- Funding available: 5, 200, 000 Euros (minimum mobility of 112 individuals)
- Eligible consortium partners: The minimum eligible consortium consists of full-partner Higher Education Institutions from three different European countries<sup>27</sup>, at least one of which must be an EU Member State. Any organisation that can contribute to the promotion, implementation, evaluation and sustainable development of the EMMC can be considered as an "associated partner" of the consortium.
- Publication date: 25/11/2013
- Deadline: 03/03/2014, 12:00 CET time
- Link: [http://eacea.ec.europa.eu/erasmus\\_mundus/funding/2014/call\\_eacea\\_18\\_13\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/funding/2014/call_eacea_18_13_en.php)