

HORIZON 2020
WORK PROGRAMME 2014 – 2015

16. Science with and for Society.."

Revised

This Work Programme was adopted on 10 December 2013. The parts that relate to 2015 (topics, dates, budget) have, with this revised version, been updated. The changes relating to this revised part are explained on the Participant Portal.

*Consolidated version following
(European Commission Decision C (2014)9294 of 10 December 2014)*

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Introduction

The part of the Work Programme will help build effective cooperation between science and society, to recruit new talent for science and to pair scientific excellence with social awareness and responsibility.

The strength of the European science and technology system depends on its capacity to harness talent and ideas from wherever they exist. This can only be achieved if a fruitful and rich dialogue and active cooperation between science and society is developed to ensure a more responsible science and to enable the development of policies more relevant to citizens. Rapid advances in contemporary scientific research and innovation have led to a rise of important ethical, legal and social issues that affect the relationship between science and society. Improving the cooperation between science and society to enable a widening of the social and political support to science and to technology in all Member States is increasingly a crucial issue that the current economic crisis has greatly exacerbated. Public investment in science requires a vast social and political constituency sharing the values of science, educated and engaged in its processes and able to recognise its contributions to knowledge, to society and to economic progress.

‘Science with and for Society’ will be instrumental in addressing the European societal challenges tackled by Horizon 2020, building capacities and developing innovative ways of connecting science to society. It will make science more attractive (notably to young people), raise the appetite of society for innovation, and open up further research and innovation activities. It allows all societal actors (researchers, citizens, policy makers, business, third sector organisations etc.) to work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of European society. This approach to research and innovation is termed Responsible Research and Innovation (RRI).

RRI fosters the creativity and innovativeness of European societies. In general terms, it implies anticipating and assessing potential implications and societal expectations with regard to research and innovation. In practice, RRI consists of designing and implementing R&I policy that will a) engage society more broadly in its research and innovation activities, b) increase the access to scientific results, c) ensure gender equality in both the research process and research content, d) take account of the ethics dimension, and e) promote formal and informal science education.

For the years 2014-2015, the calls for proposals shall focus on:

- Call for Making science education and careers attractive for young people (SEAC);
- Call for Promoting gender equality in research and innovation (GERI);
- Call for Integrating society in science and innovation (ISSI);

- Call for Developing governance for the advancement of responsible research and innovation (GARRI);

Horizon 2020 Cross-Cutting Issues will be supported as appropriate through the 4 calls and in particular:

1. All calls are taking up and supporting Responsible Research and Innovation, one of them being specifically dedicated to Gender equality;
2. The participation of third countries and international organisations is welcome. Funding will be subject to existing agreements;
3. Most of the activities will require the establishment of multi-stakeholder consortia, including from Social Sciences and Humanities, SMEs and Civil Society Organisations, philanthropic organisations, etc.
4. It is expected that all activities funded under Science with and for Society demonstrate their innovative character as well as their economic, social and environmental sustainability;
5. The projects funded under Science with and for Society in Part 16 of the Work Programme 2014-15 will participate in the Pilot on Open Research Data in Horizon 2020 in line with the Commission's Open Access to research data policy for facilitating access, re-use and preservation of research data. Projects have the possibility to opt out of the Pilot. A related new element in Horizon 2020 is the use of Data Management Plans (DMPs) detailing what data the project will generate, whether and how it will be exploited or made accessible for verification and re-use, and how it will be curated and preserved. The use of a Data Management Plan is required for projects participating in the Open Research Data Pilot. Further guidance on the Open Research Data Pilot is made available on the Participant Portal.
6. All calls will be instrumental in the completion of the European Research Area.

Call for Making Science Education and Careers Attractive For Young People

H2020 – SEAC – 2014/15

Knowledge-based societies need to make science education and careers attractive for young people in order to allow scientifically literate citizens to actively participate all along their life to their development, and to enable them to opt for a scientific career.

To reach this objective, this call will aim at:

- Developing scientific citizenship by promoting innovative pedagogies in science education, attracting more young people towards science, with a special emphasis on girls, and addressing the challenges faced by young people, in pursuing careers in science, technology, engineering and innovation;
- Developing Responsible Research and Innovation in Higher Education Curricula;
- Easing the access to scientific careers by increasing the service level of the EURAXESS Services Network.

These activities are targeted to citizens and their associations or groupings, with primary, secondary and higher education establishments, science museums, libraries, but also media, artists, creative industries, as well as researchers and innovators, policy makers at national, regional and local levels, research organisations, etc.

The expected outcome of European Commission actions is to improve the science-literacy and the responsibility of citizens as well as their access to scientific careers.

Proposals are invited against the following topics:

SEAC.1.2014.2015 - Innovative ways to make science education and scientific careers attractive to young people

Specific challenge: The Union needs all its talents to boost creativity and competitiveness. It needs an innovative science education which shall enable today's and tomorrow's citizens to play a more active role in the Research and Innovation process, to make informed choices and to engage in a democratic, knowledge-based society. It needs young boys and girls to pursue careers in science, technology, engineering and mathematics (STEM), while at the same time adhering to the values embedded in Responsible Research and Innovation. In such a manner, the Union will reach the objective of a R&D intensity of 3% of GDP which is essential. Yet it has been increasingly difficult to attract adequate numbers of young people, to these domains and to avoid a brain-drain of talent from Europe. Therefore, a shift to innovative and effective methods is necessary, so as to raise the attractiveness of science education and scientific careers and boost the interest of young people in STEM.

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. In order to be more attractive, research careers should also be more closely linked to labour market needs. In this context, the potential orientation towards more entrepreneurial and multidisciplinary research careers should be recognised. The proposals shall focus on innovative, forward-looking science education methods and/or on incentives and measures to make scientific and technological careers attractive to young students, including actions addressing the challenges in offering long term career perspectives. They may inter alia make young people work with open-access educational resources; become familiar with the use of science media; make the link between creativity and science; appreciate the relevance of gender balance and dimension in research; understand the practical value of research ethics and integrity; actions.

The proposals shall also foster sustainable and cross-cutting interaction between the different levels of the education system, research institutions and other establishments, industry, Civil Society Organisations (CSOs). Such proposals shall improve the attractiveness of science education and scientific careers to young people; address challenges in offering long term career perspectives, as well as raise awareness of the importance of trans-disciplinary research and Responsible Research and Innovation in the education system.

The establishment of a link with SCIENTIX – The Community for Science Education in Europe – is strongly encouraged, since it consists of a multidimensional educational tool and would assist in spreading out STEM practices and better understanding of the relation between science and technology in practical terms.

When the proposed activities include scientific and technical work it should be implemented as a Research and Innovation Action, otherwise as a Coordination and Support Action

The Commission considers that proposals requesting a contribution from the EU of between EUR 1 and 1.8 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

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. It will increase the number of researchers and innovators, including women, in the public sector and in industry who will be able to better address societal challenge. As a result, in the long term, the action will contribute towards achieving the Europe 2020 education target by improving STEM skills among young people – less than 15% of pupils under-performing by 2020 – and increasing the range of innovative products that reflect societal needs.

Type of action: Research and Innovation Actions; Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

SEAC.2.2014 - Responsible Research and Innovation in Higher Education Curricula¹

Specific challenge: This topic will raise the importance and uptake of Responsible Research and Innovation (RRI) in Europe and beyond, via the design, production and dissemination of educational material and curricula for use by Higher Education Institutions and other higher education establishments, and their incorporation into educational programmes for science and engineering studies. The embedding of RRI in curricula will help Higher Education Institutions to shape more responsible and responsive researchers, able to better frame their research in a societal context, necessary for tackling societal challenges more effectively and in a more transdisciplinary manner.

Scope: The action assists the development of openly available curricula that embed all five RRI keys (societal engagement, gender equality and gender in research and innovation content, open access, science education and ethics), in a comprehensive approach for students, teachers, professional trainers and academic staff of Higher Education Institutions and other higher education establishments. Inspiration and good practices should be drawn from both the EU and third countries. Higher Education Institutions, other higher education establishments, research organisations and relevant institutions, as well as associations thereof, such as national science academies, and civil society organizations (CSOs), Science Museums and Science Centres should work together to explore the state of the art and develop a comprehensive methodological approach for RRI curricula. The creation of partnerships to this end would be an asset. The proposals shall provide ways for the testing, dissemination and widespread uptake of course material by academia in Europe and elsewhere. Ideally, both curricula and practical case-studies, theoretical and practical exercises, also embedding policy relevance, should be made easily and freely accessible on-line using the latest multimedia support. They shall benefit stakeholders, including business and industry², beyond participants in several educational systems in Europe; materials/results shall be equally relevant to other countries. The proposals shall identify the choice of the countries be based on transparent, appropriate criteria. An International Cooperation dimension is essential. A link shall be established with RRI Tools – a project to foster Responsible Research and Innovation for Society, with Society; links shall also be made with the education experts of the project's Advisory Board. Moreover, working on making a link – where applicable – with the cooperation and partnerships pillar of Erasmus+ programme is welcome.

The Commission considers that proposals requesting a contribution from the EU of between EUR 1 and 1.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

¹ This activity directly aimed at supporting pilot activities, is excluded from the Delegation to REA and will be implemented by the Commission services.

² <http://ec.europa.eu/education/erasmus-for-all/>

Expected impact: Activities will enhance Higher Education Institutions and higher education establishments' social involvement and their role with and for society through the five RRI keys. It will provide future researchers and innovators with tools, skills and qualifications that facilitate and ensure engagement with society and ethical working methods. Commission action will position EU Higher Education Institutions (HEI) at a competitive advantage vis-a-vis their global partners. In the medium term, it will leverage complementary activities at regional and Member States level. It will kick start global debate on the setting of standards for the incorporation of RRI in Higher Education curricula. In the long term, seeding RRI principles at the earliest possible stage will reduce the training costs for Member States, and increase the social benefit and social relevance of European R&I.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

SEAC.3.2014 – Trans-national operation of the EURAXESS Service network³

Specific challenge: EURAXESS will help making a career in European research institutions more attractive, both for researchers in Europe who are facing career decisions and for those who are currently outside Europe and might consider relocating to Europe to develop their research careers here. By increasing the service level of the whole EURAXESS Services Network the benefit for the research community will be long-lasting and far-reaching.

Scope: The objective of the action is to further diversify the services provided by the EURAXESS Service Centres to take care of the career development of mainly young researchers in Europe. A particular focus shall be on female Higher Education Institution students and researchers, including mobile and non-mobile ones, with the aim to contribute to the completion of the ERA and the Responsible Research and Innovation field. This action will support activities the EURAXESS Service Network represented by Bridgehead organizations to address strategic issues related to further widening of the services - from mainly mobility-related to new services. These include for example the set-up of career development centres and/or support for dual careers, support to researchers integration in SME's and industry in general, better integration of researchers into the culture of the host country, as well as mentoring programmes for researchers. Services should also include dedicated gender-specific information on the following: returners' schemes (e.g. fellowships or other opportunities aimed at researchers who had a career break, so to facilitate their re-entry), programmes aimed at female researchers and the promotion of Higher Education Institutions and research organisations having in place a Gender Equality Plan. Other services for researchers should be proposed: for instance, national EURAXESS website shall provide policy information as provided on the European EURAXESS portal about EU research policies for researchers and their careers. This includes, issues related to ERA and Responsible Research and Innovation, Open Access, in cooperation with existing coordination and support actions (e.g. OpenAIRE, RECODE, FOSTER). Activities such as the deepening of existing services

³ This activity- directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders- is excluded from the delegation to REA and will be managed by the Commission services.

through trainings, seminars, networking and updating of national EURAXESS portals shall also be part of this action.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 3.6 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: Increased job and funding opportunities on the EURAXESS Jobs portal and personalised assistance to researchers will accelerate the career development of young researchers, in particular female researchers. In the medium term, the action will produce efficiency gains and reduce transaction costs by creating a better match of existing talent and R&I needs and capacity in European research institutions. It will contribute directly to the Horizon 2020 objective of cross-national and international circulation of researchers; it will increase the number of researchers who have access to research infrastructures through Union support and the number of excellent researchers overall. It will contribute to meeting ERA objectives on gender equality. Over time, the action will contribute directly towards European targets on R&D intensity and percentage of researchers in the active population, and to boost European research competitiveness.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

SEAC.4.2015 - EURAXESS outreach to Industry

Specific Challenge: The EURAXESS initiative with its four pillars is an important tool for the development and implementation of our policies on researchers' mobility and careers thus contributing to the completion of the ERA and to the implementation of the Responsible Research and Innovation field. Two specific challenges are tackled in this topic targeting an open and transparent labour market for researchers by outreaching to industry and by building a human resources strategy for researchers.

There is a clear need to raise the awareness of industrial organisations (both large companies and SMEs) of the opportunities offered by EURAXESS Services and Jobs. Their expectations and possible demands to support the removal of obstacles hindering the collaboration between public and private sectors in research and innovation need to be better assessed and met.

Scope: This action aims at providing EURAXESS service centres with tools to increase the uptake/use of the EURAXESS portals and services by the industry sector. Initiatives shall be supported that have proven to increase the level of interaction of industry with EURAXESS portals and services for the benefit of Responsible Research and Innovation. This topic will support strategic activities to enhance collaboration with industry by EURAXESS Services Network's members that have signed the Declaration of Commitment. This shall include special IT applications for the national EURAXESS portals and mapping of specific needs of the industry sector. Activities such as trainings, seminars, networking and updating of national EURAXESS homepages shall also be part of this action. In this context information and guidance on Responsible Research and Innovation shall be provided for researchers & employers, taking-up and further the information and training material produced by the RRI Toolkit (Seventh Framework

programme RRI TOOLKIT project). In cooperation with relevant projects and initiative, EURAXESS shall provide guidance on how making research open access can be beneficial for the career development of researchers as well as offering benefits to industry. Gender equality shall also be taken into account in the activities. Interoperability between national EURAXESS portals and the European one (especially EURAXESS Jobs) shall be foreseen.

The Commission considers that proposals requesting a contribution from the EU of between EUR 0.5 and 1 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: It is expected that these new EURAXESS initiatives will significantly contribute to kick-start and advance careers of researchers. While making more industrial job and funding opportunities available on the EURAXESS Jobs portal, the second activity aims at contributing to improve working conditions for researchers, as institutional barriers are removed, in turn enabling them to focus on producing excellent research.

In the medium term the actions will produce efficiency gains for employers and open up the labour market for researchers. In the long term, the schemes will increase mobility of talent across Europe and from third countries into Europe.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

CONDITIONS FOR THIS CALL

Opening date(s)⁴:: 02/06/2014 for 2014 topics
15/05/2015 for 2015 topics

Deadline(s)⁵:

SEAC.1.2014 SEAC.2.2014 SEAC.3.2014	02/10/2014 at 17.00.00 Brussels time	
SEAC.1.2015 SEAC.4.2015		16/09/2015 at 17.00.00 Brussels time

Overall indicative budget: EUR 13.15 million from the 2014 budget and EUR 8.9 million from the 2015 budget⁶

	2014 EUR	2015 EUR	
SEAC.1.2014-2015	6.55 million	7.4 million	Single stage
SEAC.2.2014	3 million		Single stage
SEAC.3.2014	3.6 million		Single stage
SEAC.4.2015		1.5 million	Single stage

Eligibility and admissibility conditions: The conditions are described in parts B and C of the General Annex to the work programme

Evaluation criteria, scoring and threshold: The criteria, scoring and threshold are described in the part H of the General Annex to the work programme, with the following exceptions:

SEAC.1.2015	Under the criterion "excellence" - "Soundness of the concept, <u>including trans-disciplinary considerations, where relevant</u> " will be applied.
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⁴ The Director-General responsible may decide to open the call up to one month prior to or after the envisaged date of opening

⁵ The Director-General responsible may delay this deadline by up to two months

⁶ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2015 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

Evaluation procedure: The procedure for the setting a priority order for proposals with the same score is given in part H of the General Annex to the work programme.

The full evaluation procedure is described in the relevant guide⁷ published on the Participant Portal.

- Indicative timetable for evaluation and grant agreement:

	Information on the outcome of the evaluation (<i>stage</i>)	Information on the outcome of the evaluation (<i>second stage</i>)	Indicative date for the signing of grant agreements
SEAC.1.2014-2015 SEAC.2.2014 SEAC.3.2014 SEAC.4.2015	Maximum 5 months from the final date of submission	N/A	Maximum 3 months from the date of informing applicants

Consortium agreements: In line with the Rules for participation and the Model Grant Agreement, participants in Research and Innovation Actions or Innovation Actions are required to conclude a consortium agreement prior to the grant agreement.

⁷ See: http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-guide-pse_en.pdf

Call for promoting Gender Equality in Research and Innovation

H2020 – GERI – 2014/2015

The European Union aims to eliminate inequalities and to promote equality between men and women in all its activities, including in Research and Innovation. Promoting gender equality is one of the key priorities of a “Reinforced European Research Area Partnership for Excellence and Growth”. The Member States are invited to remove barriers to the recruitment, retention and career progression of female researchers, address gender balance in decision making and strengthen the gender dimension in research programmes. Horizon 2020 promotes gender equality in particular by supporting structural changes in the organisation of research institutions and the gender dimension in the content and design of research activities.

To reach this objective, the activities of this Call will aim at:

- Encouraging girls to study science and female students to further embrace a career in research;
- Analysing the impact of gender diversity in research teams on research and innovation outcomes;
- Developing a common framework to evaluate national initiatives to promote gender equality in research policy and research organisations;
- Supporting research organisations to implement gender equality plans.

These activities are targeted to researchers and innovators, research organisations, primary, secondary and higher education establishments, science museums, citizens and their associations or groupings, media, policy makers at national, regional and local levels, etc.⁸.

The expected outcome of European Commission actions is to increase the participation of women in research, improve their careers, achieve gender balance in decision making and further the excellence of R&I by integrating the gender dimension in research and innovation.

Proposals are invited against the following topics:

GERI.1.2014- Innovative approach to communication encouraging girls to study science

Specific challenge: To attract more women to research careers, the Commission launched in 2012 the communication campaign "Science: it's a girl thing!", which aims at encouraging 13-18 years old girls to study science. Young people often make career-critical decisions at this age and either orientate towards or away from scientific subjects. Girls tend to drop out of Science, Technology, Engineering and Mathematics (STEM) for various reasons linked in particular to the social roles they expect or are expected to play as well as the way STEM subjects are taught. In order to better attract and retain

⁸ More information on past and on-going activities on gender in research and innovation can be found on the website of GENPORT: <http://www.genderportal.eu>

female students, science and educational institutions should reconsider their external communication and the way STEM subjects are taught.

Scope: This topic will support awareness raising activities (workshops, seminars, hands-on activities, etc.) to be carried out with the contribution of gender experts. Activities will involve role models, and will bring together actors such as schools, science museums; research centres, etc, strengthening their interactions. Collaboration with regional/national authorities will be appreciated. Activities shall cover at least 14 countries. Activities will be carried out in the umbrella of the campaign "Science it's a girl thing".

The Commission considers that proposals requesting a contribution from the EU of between EUR 0.6 and 0.9 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

Expected impact: In the short term, the action will contribute to change the way science is communicated and increase the participation and interest of girls in STEM. It will encourage sustainable collaboration among schools, science museums, research centres, on gender equality in science. In the long term, it will contribute towards European Research Area objectives, by increasing the number of female researchers in Europe. It will also contribute to the Innovation Union objectives by better matching skills to available jobs.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GERI.2.2014 - Impact of gender diversity on Research & Innovation

Specific challenge: Some studies have explored in specific fields (e.g. ICT) and countries the impact of gender diversity on innovation in terms of productivity, performance and relevance to society (e.g. number of publications and of patents, market shares). However gender diversity in teams and organisations has not yet been systematically analysed.

Scope: The proposals shall develop concepts and methodologies for the evaluation of the impacts of gender diversity in research teams and organisations on research quality and productivity, as well as on innovation; apply the concepts and methodologies developed to a selected range of sectors using a comparative approach across countries.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 1 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: The research will provide a better understanding of the relationship between gender diversity and Research and Innovation performance. In the medium term,

it shall help develop appropriate conditions for to contribute to research intensity and productivity.

Type of action: Research and Innovation Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GERI.3.2015 - Evaluation of initiatives to promote gender equality in research policy and research organisations

Specific challenge: In the field of research, initiatives have been developed in European countries and beyond aiming at promoting gender equality. They include direct support to female researchers' careers, specific awards, gender balance in decision-making, gender-budgeting the integration of a gender dimension in research and programmes. Some initiatives have a more comprehensive scope such as charters, performance agreements and gender equality plans. Others are tied with the funding of research organisations and Higher Education Institutions. They shall have been initiated by public authorities/entities or private organisations and have a national or regional scope. Few of these initiatives have been evaluated so far and there is no common framework methodology to conduct such evaluations in Europe.

Scope: The proposals shall develop concepts and methodologies for the evaluation of initiatives mentioned above, providing an adequate analysis of how gender issues are considered in science management and policy-making and how they contribute to achieve three main objectives: equal participation and progression in research careers, gender balance in decision-making and the integration of a gender dimension in research content and programmes. The proposed evaluation framework shall cover a selected range of initiatives with a national or regional scope:

- on research quality and productivity as well as innovation;
- on research organisations and Higher Education Institutions in terms of structure; efficiency, competitiveness, quality of the workplace, recruitment capacity;
- at research system level in terms of intensity and productivity.

The proposed framework covers a selected range of initiatives from several EU countries using a comparative approach. It will contribute to develop a common understanding of the reach, value and limits of such evaluations. The proposals should also include an appropriate involvement of policy-makers to help integrate the findings of the evaluations in research and innovation policies.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 2 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: The research will provide concepts and methodologies fitted to conduct evaluation of gender equality initiatives in Europe with national or regional scope. It shall also provide a better understanding of the impacts of current gender equality initiatives, from the science-management and policy-making perspectives. This will help identify best practices to be promoted. In the medium term, it will help adapt gender equality initiatives and increase their efficacy, leading to an improved research intensity and

productivity and furthering the progress towards the achievement of the European Research Area.⁹

Type of action: Research and Innovation Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GERI.4.2014-2015 - Support to research organisations to implement gender equality plans

Specific challenge: Gender equality is a key priority of the European Research Area Communication. "A Reinforced European Research Area: Partnership for Excellence and Growth"¹⁰, which invites Member States, research performing organisations (RPOs), including Higher Education Institutions, as well as research funding organisations (RFOs) to take action to promote gender equality in R&I with the following objectives:

- Removing barriers to the recruitment, retention and career progression of female researchers;
- Addressing gender imbalances in decision making processes;
- Strengthening the gender dimension in research programmes.

Scope: The action provides support to RPOs and RFOs in order to support systemic institutional changes, in particular through the implementation of Gender Equality Plans (GEPs). GEPs shall:

- Conduct impact assessment / audit of procedures and practices, including relevant data on HR management, teaching and research activities, in order to identify gender bias at organisation level;
- Implement innovative strategies to address gender bias; this should include family-friendly policies (e.g. work schedule's flexibility; parental leave; mobility, dual-career couples); gender planning and budgeting; training on gender equality in Human Resources (HR) management; develop the gender dimension in research content and programmes; integrating gender studies in Higher Education Institution curricula;
- Set targets and monitor progress via indicators at organisation level.

The RPOs, including Higher Education Institutions, and RFOs involved in the consortium shall be at a starting stage in the setting-up of gender equality plans and shall ensure the support from their highest management level. Participation of professional associations in the consortium is recommended. The proposals shall include a first assessment of gender issues in each partner organisation. They shall also situate the planned GEPs in relation with existing national provisions relating to gender equality in research, and explain how they will contribute to the achievement of the European Research Area (ERA)¹¹ objectives on gender equality. The proposals shall include a

⁹ COM(2012) 392 final

¹⁰ COM(2012) 392 final.

¹¹ COM(2012) 392 final.

methodology for impartially monitoring and assessing the progress made throughout the duration of the project. This activity could be dedicated to a specific partner organisation or subcontracted. This action will be further promoted through the EURAXESS initiative SEAC.3.2014 Trans-national operation of the EURAXESS Service network.

The Commission considers that proposals requesting a contribution from the EU of between EUR 1.5 million and 2.3 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: The activities will increase the number of RPOs and RFOs implementing gender equality plans pursuing the three objectives mentioned in the challenge. In the medium / to long term, activities will contribute to the achievement of ERA in particular by increasing the number of female researchers, improving their careers and mobility, thus contributing to research intensity. The integration of the gender dimension in research programmes and content will improve the social value of innovations and the fitness for purpose of innovative products.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

CONDITIONS FOR THIS CALL

Opening date(s)¹²:: 02/06/2015 for 2014 topics
15/05/2015 for 2015 topics

Deadline(s)¹³:

GERI.1.2014 GERI.2.2014 GERI.4.2014	02/10/2014 at 17.00.00 Brussels time	
GERI.3.2015 GERI.4.2015		16/09/2015 at 17.00.00 Brussels time

Overall indicative budget: EUR 9.5 million from the 2014 budget and EUR 9 million from the 2015 budget¹⁴.

	2014 EUR	2015 EUR	
GERI.1.2014	1.5 million		Single stage
GERI.2.2014	1 million		Single stage
GERI.3.2015		2 million	Single stage
GERI.4.2014-2015	7 million	7 million	Single stage

Eligibility and admissibility conditions: The conditions are described in parts B and C of the General Annex to the work programme.

Evaluation criteria, scoring and threshold: The criteria, scoring and threshold are described in the part H of the General Annex to the work programme.

¹² The Director-General responsible may decide to open the call up to one month prior to or after the envisaged date of opening

¹³ The Director-General responsible may delay this deadline by up to two months

¹⁴ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2015 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

Evaluation procedure: The procedure for the setting a priority order for proposals with the same score is given in part H of the General Annex to the work programme, with the following exceptions:

GERI.4.2015	Under the criterion "excellence" - "Soundness of the concept, <u>including trans-disciplinary considerations, where relevant</u> " will be applied.
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The full evaluation procedure is described in the relevant guide¹⁵ published on the Participant Portal.

- Indicative timetable for evaluation and grant agreement:

	Information on the outcome of the evaluation (<i>single stage</i>)	Information on the outcome of the evaluation (<i>second stage</i>)	Indicative date for the signing of grant agreements
GERI.1.2014 GERI.2.2014 GERI.3.2015 GERI.4.2014-2015	Maximum 5 months from the final date of submission	N/A	Maximum 3 months from the date of informing applicants

Consortium agreements: In line with the Rules for participation and the Model Grant Agreement, participants in Research and Innovation Actions or Innovation Actions are required to conclude a consortium agreement prior to the grant agreement.

¹⁵ See: http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-guide-pse_en.pdf

Call for integrating Society in Science and Innovation

H2020 – ISSI – 2014/2015

Citizens' interests and values need to be better integrated into science, technology, research and innovation issues, policies and activities. This integration will increase the quality, relevance, social acceptability and sustainability of research and innovation outcomes in various fields of activity from social innovation to nanotechnology. This integration will be made possible by promoting Responsible Research and Innovation, i.e. the engagement of citizens and society in a co-creative research and innovation process.

Responsible Research and Innovation are part of the effort to establish the European Research Area and fulfil the commitment of the Innovation Union. In 2014 and 2015, Science with and for Society will promote and further the understanding of Responsible Research and Innovation by combining actions in particular aiming at:

- Developing citizens' interest and capacities for science and allowing them to actively participate in various scientific activities (e.g. exhibitions and science cafés, grass roots "Do It Yourself" (DiY) creative re-use communities, on-line mechanisms for knowledge-based policy advice);
- Fostering the dissemination of information and good practices through a Knowledge Sharing Platform (KSP), including networking, monitoring and assessing relevant initiatives;
- Supporting structural change in the research organisation and higher education institutions to promote Responsible Research and Innovation.

These activities are targeted to citizens and their associations or groupings, researchers and innovators, research organisations, policy and decision makers at national, regional and local levels, primary, secondary and higher education establishments, science museums, libraries, media, artists, creative industries, etc.

The expected outcome of European Commission actions is a net improvement of the integration of society in science and innovation.

Proposals are invited against the following topics:

ISSI.1.2014.2015 - Pan-European public outreach: exhibitions and science cafés engaging citizens in science

Specific challenge: This topic will organise public outreach exhibitions and participatory events throughout the whole of Europe to engage citizens in science, drawing on the experience and capacity of science museums, Higher Education Institutions, science shops, scientific centres of excellence and innovation hubs, cities of scientific culture (e.g. building on the Seventh Framework programme PLACES initiative), but also grass root Do It Yourself (DiY) creative re-use communities (like movements, etc.), secondary schools, higher education centres, Non-Governmental Organisations (NGOs) and civil

society organizations, local public authorities and other relevant stakeholders¹⁶. The topic will take-up and further develop the information and training material produced by the RRI Toolkit developed by the Seventh Framework Programme project RRI Toolkit.

Scope: Exhibitions and participatory events shall be interactive and adapted to local/regional conditions (i.e.: use of relevant case-studies) and shall take place in the local languages. Exhibits shall provide material for dissemination and make use of existing multimedia and other relevant technology (e.g.: social media, virtual reality, scenarios, gaming, etc.) and shall employ inclusive participatory techniques to engage with multiple publics (children, youth, women, adults, and other relevant stakeholders). Alongside the exhibitions, the proposals shall also establish regular 'science cafés' in informal settings, during which emerging science and technology issues and their Responsible Research and Innovation dimension (e.g. debating the pros and cons of shale gas extraction, personalised medicine, energy mix, disaster risk management etc.) can be debated, engaging citizens and other relevant experts and local actors. Public feedback of exhibits and the outcomes of deliberations shall be collected and analysed in a structured way, to guide an internal learning process and provide policy support.

The Commission considers that proposals requesting a contribution from the EU of between EUR 3 and 3.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

Expected impact: In the short term, this action will increase public awareness of science and of Responsible Research and Innovation. In the medium term, it will build capacity of local science actors and public authorities to engage with citizens on science and innovation, leading to more public engagement activities after the end of the project. Equally, it will directly encourage more citizens, including women, to participate in science. It will encourage user-led and frugal innovation, and mobilise social resources in the knowledge transfer of ideas - from social imagination to practical implementation. In the long term, it will channel to policy makers at different levels external advice and societal inputs regarding appropriate R&I policies (as per Art. 12 and 14 of the H2020 Regulation).

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

¹⁶ See the European Researchers' Night (NIGHT) implemented under the Part III-3 of Horizon 2020: Marie Skłodowska-Curie actions.

ISSI.2.2014 - Citizens and multi-actor engagement for scenario building

Specific challenge: This action aims to empower and draw on the collective intelligence of citizens to examine the role of research and innovation via future scenarios and visions of desirable sustainable futures. It will connect scientists, stakeholders and citizens (including youth) in building shared understanding.

Scope: This action, which follows on from the Seventh Framework Programme VOICES initiative¹⁷, shall develop and implement methodologies for pan-European and multilingual face-to-face participatory and inclusive workshops with citizens (including youth, women) and other stakeholders, to devise scenarios, visions and storylines in relation to desirable sustainable European research and innovation futures. The visions and scenarios shall consider future expected advances in science and their impact on technology, society, economy, gender, health, and the environment. The deliberations shall target at least three Societal Challenges of Horizon 2020. The use of support tools for the interactive exploration of "what if" questions, resulting trade-offs and scenario building, are encouraged. This should include a mix of participatory multi criteria analysis, virtual reality techniques, collaborative Geographical Information System (GIS), and integrated assessment modelling, to enhance citizen understanding and exploration of desirable futures. The methods shall take on a pan-European and multilingual dimension through their deployment in 28 Member States (and some selected Associate Countries). In parallel to the face-to-face workshops, a dedicated participatory on-line consultation shall be launched (building e.g. on relevant Eurobarometer studies). The outcomes of the consultations shall be compared with those from other expert-based foresight and prospective studies to assess the relative merits of citizen focussed consultations for inspiring research and innovation policy development and implementation. The outcome of this topic shall provide inputs to the 2017 and beyond Horizon 2020 Work programmes and other relevant EU policy initiatives.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 3 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

Expected impact: In the immediate future, this action will generate further engagement of citizens and scientific stakeholders in envisioning socially desirable futures, with a view of inspiring future research, innovation and public policies as a means to achieve these futures. In the medium term, it will contribute to enhanced understanding of the likely effects of scientific progress, to increased scientific literacy in society, and will enhance policy-makers' ability to set scientific courses in line with societal needs and aspirations.

Type of action: Coordination and Support Actions.

¹⁷ See: <http://www.voicesforinnovation.eu/>

¹⁷ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services

The conditions related to this topic are provided at the end of this call and in the General Annexes

ISSI.3.2015 – Knowledge Sharing Platform

Specific challenge: Evidence from Sixth Framework Programme Science and Society (S&S) and Seventh Framework Programme Science in Society (SiS) programmes shows that more consistent policy development in Science and Technology requires systematic cooperation and a shared knowledge base on which European, national and sub-national research and innovation policy decisions can be drawn from.

Scope: The topic aims to foster the sharing of ‘Science With and For Society’ experience and know-how in Europe, and beyond. Activities shall envisage building a Knowledge Sharing Platform (KSP) to federate Responsible Research and Innovation communities and make RRI and its key dimensions more effective research and innovation policy support tools. It shall simultaneously operate and draw from the networking of relevant projects, service contracts and actors. Furthermore, the KSP shall provide an RRI assessment and good practice function, and will disseminate and advocate findings with a view to strengthen European leadership in the governance of Responsible Research and Innovation in both policy-relevant and thematic European and global fora corresponding to the Horizon 2020 Societal Challenges. The KSP shall use a variety of means of exchange, employing e.g. direct face-to-face meetings, participatory processes as well as social media and modern ICT and multimedia tools (non-exhaustive list).

The Knowledge Sharing Platform (KSP) shall hold Mobilisation and Mutual Learning workshops to provide a platform for researchers, practitioners, national *Science with and for Society* -related programme managers and policy-makers and other stakeholders to reflect upon, share, assess, consolidate and transfer experiences and lessons learnt from Sixth and Seventh Framework Programmes projects, activities, methodologies and outcomes. Furthermore, the proposals shall also aim to support the Science with and for Society Community by facilitating new and lasting partnerships, fostering joint visions and positions amongst constituencies.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 3 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

Expected impact: This action will federate RRI actors and communities, consolidate and advance knowledge on science in society in Europe and will improve access to existing knowledge, know-how and experience, thereby reducing institutional costs and efforts of in applying RRI principles. In the medium term, it will facilitate the spill-over of RRI to regions of Europe that are currently lagging behind. In the long term, it will position EU research teams on the map as leaders in the global governance of research.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

ISSI.4.2015 - On-line mechanisms for knowledge-based policy advice

Specific challenge: In a global perspective Europe can gain from effective knowledge-based decision-making, widening its knowledge base beyond science, not the least with regard to science, technology and innovation (STI) governance itself. This requires a combined effort of a) establishing national capacity for knowledge-based policy advice across Europe, b) establishing common methodological frameworks, and c) increasing the volume and effectiveness of cross-European collaboration in order to create European added value. Initiatives have been taken towards such a development, including Mobilisation and Mutual Learning Action Plans (MML) and research in Responsible Research and Innovation frameworks, methodologies, participation. However, the potential of developing on-line services for such goals is yet unexplored.

Scope: The on-line dimension of knowledge-based decision-making should involve different mechanisms, such as Science 2.0, e-Science approaches and other collaborative functions for policy analysis, forward looking studies, technology assessment, data exchange for research etc.; trans-European collaboration tools focusing on EU level policy advice; work-flow management systems for specific methods; participatory citizen and stakeholder consultation systems; services supporting Responsible Research and Innovation (RRI) methods and frameworks, including gender equality; Web-services for the project life-cycle - project definition, method choice, evaluation and management. The proposals shall probe the potential and feasibility of on-line services and develop and demonstrate on-line services that will strengthen European capacity for knowledge-based policy analysis and advice, with special emphasis on Science, technology and Innovation (STI) governance. Emphasis shall be put on a well-documented demand-side, on targeted user-centred solutions, and on usability across languages and among different institutional structures in the advisory domains. Innovation height shall be found in the functions provided, and the use of known and well tested enabling ICT technologies is to be preferred.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 4 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impacts: In the short term, open and wide-spread access of citizens, end-users stakeholders to on-line services providing processes and methods for knowledge-based policy advice, enhancing the innovation process. In the medium term, enduring organisational structures that can maintain the services after the end of the research. In the long term, greater trans-European collaboration on knowledge-based policy advice. Promotion of the objectives of citizen engagement in policy making postulated in the Lisbon Treaty.

Type of action: Research and Innovation Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

ISSI.5.2014.2015 - Supporting structural change in research organisations to promote Responsible Research and Innovation

Specific challenge: Many barriers exist to practical implementation of RRI in research organizations. Therefore it is crucial to encourage the modernisation of institutional

practices and culture in research institutions, Higher Education Institutions and funding agencies, to promote Responsible Research and Innovation. It also aims at supporting common actions by research institutions to identify and implement the best systemic organisational approaches to increase Responsible Research and Innovation uptake in research organizations.

Scope: This topic aims at developing a Responsible Research and Innovation Plan covering five RRI keys (societal engagement, gender equality and gender in research and innovation content, open access, science education and ethics) in each participating institution. The proposals shall include an analysis of the main problems and challenges, as well as a set of specific implementing actions aiming at the necessary structural change on the basis of specific situation and challenges. Action Plans shall be accompanied by an implementation roadmap. The RRI plans shall:

- Conduct impact assessment / audit of procedures and practices in order to identify RRI barriers at organisation level;
- Implement innovative strategies to address RRI barriers;
- Develop the RRI dimension in research content and programmes;
- Set targets and monitor progress via indicators at organisation level.

The proposals shall include a methodology for impartially monitoring and assessing the progress made throughout the duration of the project. This activity could be dedicated to a specific partner organisation or subcontracted.

The proposals should include an international dimension in particular with the following countries: Brazil, Republic of South Africa, India, Canada, Australia, Russia, United States of America, Japan and China.

The Commission considers that proposals requesting a contribution from the EU of between EUR 2 and 4 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: Activities shall produce tangible and measurable results in terms of organisational process and structures. They will improve the uptake of Responsible Research and Innovation in research organisations, as the Plans will continue to be implemented in the medium / long term. In the medium term, institutional change shall be scalable to research institutions across EU 28 and Associated countries, thus contributing towards European Research Area (ERA) objectives. In the long term, the action will increase research institutions' ability to generate innovation that reflects societal needs.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

CONDITIONS FOR THIS CALL

Opening date(s)¹⁸:: 02/06/2014 for 2014 topics
15/05/2015 for 2015 topics

Deadline(s)¹⁹:

ISSI.1.2014.2015 ISSI.2.2014 ISSI.5.2014	02/10/2014 at 17.00.00 Brussels time	
ISSI.1.2014.2015 ISSI.3.2015 ISSI.4.2015 ISSI.5.2015		16/09/2015 at 17.00.00 Brussels time

Overall indicative budget: EUR 10.3 million from the 2014 budget and EUR 22 million from the 2015 budget²⁰.

	2014 EUR	2015 EUR	
ISSI.1.2014.2015	3 million	7 million	Single stage
ISSI.2.2014	3.3 million		Single stage
ISSI.3.2015		3 million	Single stage
ISSI.4.2015		4 million	Single stage
ISSI.5.2014.2015	4 million	8 million	Single stage

Eligibility and admissibility conditions: The conditions are described in parts B and C of the General Annex to the work programme, with the following exceptions:

ISSI.2.2014 ISSI.3.2015	The specific eligibility conditions are the following: The consortium must consist of at least 10 independent legal entities established in at least 10 different EU Member States or Associated Countries.
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¹⁸ The Director-General responsible may decide to open the call up to one month prior to or after the envisaged date of opening

¹⁹ The Director-General responsible may delay this deadline by up to two months

²⁰ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2015 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

ISSI.1.2014.2015 ISSI.2.2014 ISSI.3.2015 ISSI.4.2015	The specific eligibility conditions are the following: The consortium shall comprise at least one of each of the following types of partners: research performing or funding organisations, industry / businesses, policy makers, Civil Society Organisations.
ISSI.2.2014 ISSI.3.2015 ISSI.4.2015	Up to one proposal shall be funded

Evaluation criteria, scoring and threshold: The criteria, scoring and threshold are described in the part H of the General Annex to the work programme, with the following exceptions:

ISSI.1. 2015 ISSI.3.2015 ISSI.5. 2015	Under the criterion "excellence" - "Soundness of the concept, <u>including trans-disciplinary considerations, where relevant</u> " will be applied.
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Evaluation procedure: The procedure for the setting a priority order for proposals with the same score is given in part H of the General Annex to the work programme.

The full evaluation procedure is described in the relevant guide²¹ published on the Participant Portal.

- Indicative timetable for evaluation and grant agreement:

	Information on the outcome of the evaluation (<i>single stage</i>)	Information on the outcome of the evaluation (<i>second stage</i>)	Indicative date for the signing of grant agreements
ISSI.1.2014.2015 ISSI.2.2014 ISSI.3.2015 ISSI.4.2014 ISSI.5.2014.2015	Maximum 5 months from the final date of submission	N/A	Maximum 3 months from the date of informing applicants

Consortium agreements: In line with the Rules for participation and the Model Grant Agreement, participants in Research and Innovation Actions or Innovation Actions are required to conclude a consortium agreement prior to the grant agreement.

²¹ See: http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-guide-pse_en.pdf

Call for developing governance for the advancement of Responsible Research and Innovation

H2020 – GARRI – 2014/2015

Science is a crucial element in the dynamic of societies. In our interconnected and globalised world, the impact of new scientific knowledge grows steadily. How to ensure that outcomes resulting from R&I will correspond to the needs of the various societal actors and be suitable for society in the long run? In order to do this, all societal actors (researchers, citizens, policy makers, business, third sector organisations etc.) must work together during the whole R&I process to align the R&I outcomes to the values, needs and expectations of European society is termed Responsible Research and Innovation (RRI).

In order to increase the relevance of research and innovation policies for society, policy makers and decision makers in funding bodies are invited to constantly adapt the governance framework so as to induce society-friendly, research and innovation.

In order to reach this objective, the activities of this call will aim at:

- Fostering Responsible Research and Innovation uptake in current research and innovations systems (including in industrial context);
- Underpinning activities related to Text and Data Mining (TDM), innovative approach to release and disseminate research results and measure their impact;
- Promoting ethics in research, including research integrity, reducing the risk of ethics dumping of non-ethical practices to non EU countries.
- Supporting the Science with and for Society National Contact Point (NCP) in Horizon 2020; and National Contact Point for quality standards and horizontal issues.

These activities are targeted to researchers and innovators, policy and decision makers at national, regional and local levels, higher education establishments, but also citizens (and their associations or groupings), science museums, media, artists, creative industries, etc.

The expected outcome of European Commission actions is to improve the uptake of Responsible Research and Innovation in governance frameworks, addressing the risks and benefits and the respect of fundamental European values.

Proposals are invited against the following topics:

GARRI.1.2014 - Fostering RRI uptake in current research and innovations systems

Specific challenge: Responsible research and innovation has the potential to make research and innovation investments – public procurement included –, more efficient, while addressing global societal challenges by fostering better knowledge and innovation co-production with society. It has also the potential to draw better lessons from early warnings with a view to more efficient precautionary approaches. However, the current research and innovation system do not routinely take into account RRI requirements. Systemic barriers to the uptake of RRI approaches include lack of recognition in the career system of academic research for RRI/trans-disciplinary approaches, in evaluation criteria and by scientific journals, a lack of market incentives to internalise external costs

of innovation (environmental, social, etc.) an insufficient training of researchers, institutional barriers, etc.²² It is key to develop concrete policy actions to overcome these barriers and to foster systemic change, e.g. towards better societal engagement in knowledge-production and innovation.

Scope: The action addresses systemic barriers to the implementation of Responsible Research and Innovation in research and innovation practices. The proposals shall aim to set the ground for concrete progress in relation to one of the various barriers (e.g. develop roadmaps, policy agendas, networks, coordination etc. during the lifetime of the project), identifying ways for better professional recognition and uptake of RRI approaches. Action for concrete progress could also focus on how to use existing instruments in different ways to implement systemic change: for example stimulating RRI implementation via using public procurement to start pre-commercial projects and to purchase innovative and sustainable products and services.

The Commission considers that proposals requesting a contribution from the EU of between EUR 1 and 1.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact: The action will lower the barriers to the implementation of RRI approaches. It will lead to structural change in current research and innovation policies and systems, which will expand and consolidate the use of RRI methods and standards. Activities will signpost EU research teams seminal work in this domain; they will ensure complementary action at Member States level, and set best case examples and implementation standards for the industry. In the medium term, they will foster the capacity of research and innovation to tackle societal challenges in close cooperation with societal stakeholders, addressing the risks and benefits and the respect of fundamental values.

Type of action: Research and Innovation Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.2.2015 - Responsible Research and Innovation in industrial context

Specific Challenge: Evidence is needed on how the RRI approach, in particular the opening up of the innovation process to social actors, can improve the development process and the quality of the final outcomes of research and innovation in the industrial context. Existing initiatives such as Corporate Social Responsibility (CSR) have set first steps but improved business governance is needed that deeply embeds creativity, scalability, responsiveness, "glocality", circularity and societal engagement.

Scope: This action will support projects that demonstrate how to implement RRI in process development (via stakeholder involvement, taking account of gender differences, Corporate Social Responsibility, etc.) and in quality of the final outcomes (complying

²² See e.g. Expert Group on the State of Art in Europe on Responsible Research and Innovation (2013) 'Options for Strengthening Responsible Research and Innovation', http://ec.europa.eu/research/science-society/document_library/pdf_06/options-for-strengthening_en.pdf

with standards relating to sustainability, precautionary principle, gender and ethics, among others). The proposals shall foster collaboration between actors from industry, research and civil society to jointly define and implement a concrete roadmap for the responsible development of particular technologies, products or services within up to three specific research/innovation fields, enabling a detailed comparative assessment. It can for example develop an RRI-inspired ‘CSR 2.0’ roadmap and implementation plan that is demonstrated, tested, and assessed by the partners involved in the action. Overall, the proposals shall pilot and demonstrate how industry and societal actors can work productively together according to the Responsible Research and Innovation approach, delivering practical evidence of the benefits for industry at large to follow up on a similar path.

The Commission considers that proposals requesting a contribution from the EU of between EUR 1 and 1.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

This action allows for the provision of financial support to third parties in line with the conditions set out in Part K of the General Annexes.

Expected impact: Better uptake of the RRI approach and of the gender dimension in research by industrial actors. In the medium term, the action aims to increase public-private partnership in the innovation process, to increase the social value and acceptability of innovation, and facilitate the emergence of new business models that embed sustainability and social responsibility throughout the entire business process. In the long term, it aims to contribute towards the innovation and competitiveness objectives of the Innovation Union and to enhanced ‘mainstreaming’ and standardisation of RRI and CSR processes at the EU and Global level.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.3.2014 - Scientific Information in the Digital Age: Text and Data Mining (TDM)

Specific challenge: TDM is the process of deriving information from machine-read material and is an essential feature in open science and innovation. It has enabled new innovations, with ramifications not only for research itself but also for the economy and society. Building upon present knowledge is an important component of research that leads to new innovations. TDM therefore has a huge potential for research and innovation and the economy as a whole. However, there are significant barriers which hinder the more widespread use of TDM in the European Union.

Scope: This proposals shall study TDM in the modern research environment and its relations with societal implications, with the following *foci*:

- Policy developments and legal framework in the EU and its Member States (including copyright exemptions);
- Increasing awareness of TDM in institutional settings and among stakeholders, as well as the skills, rewards and support involved in using this technology.

Technical requirements for an optimal TDM infrastructure shall be dealt as part of the call on e-Infrastructures in the Research Infrastructures (including e-Infrastructure) Work Programme (topic EINFRA 1-2014 – Managing, preserving and computing with big research data). Nevertheless, the winning proposals in these two calls are expected to engage in a mutual dialogue and establish synergies in their work.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 1.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact: This action will reduce barriers in order to increase the uptake of TDM by researchers and innovative businesses as a tool in the co-creation of knowledge, which will result in wider and more efficient circulation of knowledge and ultimately lead to a R&I policy that is more relevant for and responsive to society.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.4.2015 - Innovative approach to release and disseminate research results and measure their impact

Specific Challenge: The European Commission promotes a culture of openly sharing information among researchers, innovative industries and citizens. The technology continues to improve, thus making some innovative approaches possible. It is important to ensure that high levels of quality are maintained for research results. The release and dissemination of research results is a crucial element, but so are the measurement of their quality and impact with the right indicators. There is a need to examine the situation from A to Z and adapt to the new solutions that better suit the needs of researchers, innovators, the public and funding bodies, and that are relevant to new technologies and expanding amounts of information.

Scope: From working on the public release of research results to evaluating their impact, the proposals shall seek in particular to examine how peer-review develops outside of traditional methods and support it, and how indicators and bibliometrics are adequate for different types of needs and promote them. With open access expanding beyond scientific articles to encompass data, monographs and books, it needs to be seen whether current methods of review and measurement of impact remain practical and relevant, or whether more innovative practices are needed, and how.

The Commission considers that proposals requesting a contribution from the EU of the order of 2 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact: The action will contribute to the development of more open and comprehensive as well as gender sensitive ways of conducting research and fostering innovation. The use of new technology has the potential to ensure originality as well as

high-quality contributions to science. This will be of benefit to the optimal circulation of knowledge within the European Research Area. It will contribute not only to better science but also to a more open science system, while ensuring that the impact of scientific information on all actors of the society can be measured in a reliable way.

Type of action: Coordination and Support Action.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.5.2014 - Ethics in Research: Promoting Integrity

Specific challenge: Research misconduct mainly became a focus of attention in the 1980's with a few publicised cases in the US. This progressively led to adoption of guidelines and codes of conduct by the scientific community as well as to the set-up of governmental structures. The complexity and diversity of research misconduct, amplified by the expansion of electronic communication still raises serious questions on the capacity of the actors concerned to adequately address the issue.

Scope: As there is no single approach to address research misconduct, the proposals examine the pros and cons of different methods. Among others, the real benefit of IT tools shall be evaluated. Clear figures are required on the number and variety of allegations in EU and other OECD countries, including the percentage of cases where original suspicion is confirmed and leads to some form of sanctions. Additionally, the in-depth study of representative cases shall bring a socio-economic and a psychological dimension which is critical to the design of effective responses. It will also be crucial to assess the possibility to unify the codes, principles and methods at EU and international level. The options to support the self-regulation mechanisms with an adapted legal framework shall also be studied.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 2 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: In the short term, the action will improve the adherence to high standards in research integrity and thereby increase the return on publicly funded research. It will also decrease the number of cases of malpractice and the number of fabrications and cases of false positives in research and innovation results. The action will encourage transparency and ensure reliable knowledge transfer and ethical spill-over from academia to industry. In the medium term, improved research integrity will increase public trust in science and scientists; and boost trust in holders of research-related degrees shall they pursue other community leader position in politics and economics. In the long term, future researchers will be conscious of ethical principles from their educational years. Thereby the number of beneficiaries carrying out action in accordance with principles of research integrity will increase.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.6.2014 - Reducing the risk of exporting non ethical practices to third countries

Specific challenge: Taking into account the progressive globalisation of research activities, there is a rising risk of research with sensitive ethical issues being conducted by European organisations outside the EU without proper compliance structures and follow-up. The risk of ethics dumping - the exportation of research practices that would not be accepted in Europe on ethical grounds - and the mechanisms to mitigate this risk shall be actively addressed.

Scope: The primary objective of this action is to address the risk of dumping for public and private research by promoting an active collaboration between European, national and international ethics bodies. The proposals shall involve different actors: ethics bodies, funding organisations, governmental actors, and Civil Society Organisations representing the interests of the local populations. Cooperation shall build up at multiple levels: within the EU, between the EU and other high-income countries, between high-income countries and low-income countries where the risks of dumping is higher. Activities shall be based on case studies involving local structures, avoiding gender bias, in countries where the research takes place and impacts population. Good practices shall be identified, with a view to elaborate an operational code of conduct for all actors concerned.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 2 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: This action will reduce the risks of ethics dumping in research and improve the adherence to high ethical standards in areas of the world where it is needed. As a consequence, research carried out outside the EU will be compliant and consistent with EU-based research and acceptable and exploitable in the EU. In the medium term, due to active collaboration on multiple levels and the sharing of good practices, research practices of research institutions outside the EU will be impacted and ameliorated. In the long term, highest ethical standards will spread globally, thus creating a level playing field and a clear structure of incentives for research competitiveness.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.7.2014 - Science with and for Society National Contact Points (NCPs) in Horizon 2020²³

Scope: This action focuses on identifying and sharing good practices and raising the general standard of support to programme applicants, taking into account the diversity of stakeholders of 'Science with and for Society' (Support will be given to a network of

²³ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

NCPs in the area of Science with and for Society. Various activities will be developed, such as benchmarking, joint workshops, enhanced cross-border brokerage events, specific training linked to Science with and for Society and twinning schemes, not duplicating actions foreseen in the NCP network for quality standards and horizontal issues under ‘Science with and for Society’. Special attention will be given to enhance the competence of NCPs, including helping less experienced NCPs rapidly acquire the know-how accumulated in other countries.

Only NCPs from EU Member States, Associated Countries, neighbourhood policy countries, which have been officially appointed by the relevant national authorities are eligible to participate in and receive funding for this action.

The consortium should have a good representation of experienced and less experienced NCPs.

Submission of a single proposal is encouraged. The Commission will only fund one proposal under this heading. NCPs from EU Member States or Associated Countries choosing not to participate as a member of the consortium should be identified and the reason explained in the proposal. These NCPs are nevertheless invited and encouraged to participate in the project activities (e.g. workshops), and the costs incurred by the consortium for such participation (e.g. travel costs paid by the consortium) may be included in the estimated budget and be eligible for funding by the Commission

The Commission will only fund one proposal under this topic; with a duration to cover the first period of Horizon 2020.

Expected impact: A more consistent, improved and professionalised level of NCPs support services across Europe helps simplify access to Science and for Society Horizon 2020 calls, lowers the entry barriers for newcomers and raises the average quality of proposals submitted. In the short term, this contributes to greater participation by SMEs and CSOs. In the medium terms, it contributes to spreading excellence and widening participation targets. Also, it contributes towards reaching the European Research Area objective of more integrated European research, via better coordination of Member States' own effort.

Type of action: Co-ordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.8.2014 - National Contact Points for quality standards and horizontal issues²⁴

Specific challenge: National Contact Points need to be fully cognisant with the rules and procedures of Horizon 2020 if they are to provide high quality services to potential applicants. They also need to be proficient in the processes involved in running an NCP service itself. This is a continuous concern, as the programme evolves, lessons are learned, and as newcomers join the NCP network. A body of know-how is already held by the NCPs themselves, which needs to be made generally available, and further enhanced.

Scope: Support will be given to a consortium of formally nominated NCPs concerned with quality standards and cross-cutting issues across the NCP network in the country concerned. These NCPs will be the national coordinators, and the Legal and Financial NCPs, or other NCPs explicitly nominated by the national coordinators for participation in this network. The network will be a vehicle for building up and mobilising expertise, for providing training to the wider network of NCPs and for providing feedback and analysis to the Commission. Parts of the training programme will be provided by NCPs, third parties, or by Commission specialists. For this reason the network will work in consultation with the Commission service responsible for NCP coordination. It will solely address cross-cutting issues, such as: financial and legal issues from the submission and evaluation of the proposal to the signature and the implementation of the Grant; project coordination and management; project reporting; intellectual property rights; synergies with other sources of funding, notably European Structural and Investment Funds; research and innovation policy; gender equality and the gender dimension in research content, ethical and security issues and good practices for NCP work. Special attention will be given to enhance the competence of NCPs, including helping less experienced NCPs rapidly acquire the know-how accumulated in other countries. Issues that are specific to the parts and challenges of Horizon 2020 will be addressed by the relevant networks under those areas, and will not be covered by this network. The network will also develop tools for monitoring quality standards (indicators, benchmarks etc.), and will provide an input to periodic policy meetings of national NCP coordinators and Legal and Financial NCPs. The applicants organisations will be the legal entities (ministry, agency, research body, company etc.) to which an NCP is affiliated ("host organisation"). In order to focus resources, the network can only include NCPs from EU Member States, and Associated Countries, who have been officially appointed by the relevant national authorities.

The network should include a good representation of experienced and less experienced NCPs. Only NCPs from EU Member States, Associated Countries and neighbourhood policy countries which have been officially appointed by the relevant national authorities are eligible to participate in and receive funding for this action.

The consortium should have a good representation of experienced and less experienced NCPs.

²⁴ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

Submission of a single proposal is encouraged. NCPs from EU Member States or Associated Countries choosing not to participate as a member of the consortium should be identified and the reason explained in the proposal. These NCPs are nevertheless invited and encouraged to participate in the project activities (e.g. workshops), and the costs incurred by the consortium for such participation (e.g. travel costs paid by the consortium) may be included in the estimated budget and be eligible for funding by the Commission.

The Commission will only fund one proposal under this topic.

Expected impact:

- An improved and professionalised NCP service across Europe, thereby helping simplify access to Horizon 2020 calls, lowering the entry barriers for newcomers, and raising the average quality of proposals submitted.
- A more consistent level of NCP support services across Europe.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

GARRI.9.2015 – Estimating the costs of research misconduct and the socio-economic benefit of research integrity

Specific challenge: The Innovation Union Communication notes that “Europe must also develop its own distinctive approach to innovation which builds on its strengths and capitalizes on its values” These values frame the responsible and ethical conduct of research, a critical factor in achieving excellence and socially relevant impact. According to the Singapore Statement on Research Integrity, “the value and benefits of research are vitally dependent on the integrity of research”.

In the same spirit, the “European Code of Conduct for Research Integrity” states in its preamble that “science as the process of knowledge augmentation is embedded in a wider socio-ethical context, and scientists must be aware of their specific responsibility towards society and the welfare of mankind.

Research integrity is multi-dimensional and essentially entails that academic and industry researchers design their research taking into account its social impact, conduct the research in a responsible manner starting with the research design and the gathering of data. Integrity therefore implies the use of appropriate techniques and methodologies respecting the highest ethical standards. Once the results are available they should be reported in an accurate way and be widely and easily accessible. In all circumstances researchers should avoid any form of conflict of interest when performing, reviewing research or communicating research findings (notably in support to policy making). As regards scholarly publication, researchers should include all the necessary references to their work and to the work of others. Overall, research integrity thus covers the complete cycle of the process from the original idea to the output (paper, product, processes, scientific advice etc.).

Conversely, research misconduct can have two main consequences: (1) affect in the short and long run society trust in science as well as the trust in private and public research institutions, (2) harm people (including patients and other vulnerable populations) and the environment. For policy and funding institutions it has additional effects: if misconduct goes on undetected, it reduces return on investment of public and private funds, distorts the research funding market and can be seen as rewarding fraudulent behavior and tarnishing trust in the research management processes including peer review.

Scope: Accurate estimates of the social and economic impact of research integrity are difficult to ascertain. They range from tabulations of actual personnel and legal costs involved in adjudication procedures for selected misconduct cases, to attempts of pricing reputation loss through stock price decline. In addition to the above, and on the basis of selected cases, the proposed study will examine the possibility of devising an appropriate methodology in order to be able to calculate the cost of the various impacts of research misconduct, including:

- The impact on trust and reputation of research and innovation institutions (including loss of expertise and qualified personnel)
- The impact on researchers' carrier (salary, promotion, loss of employment etc)
- The impact on the well being of citizens and on the environment. This should in particular cover the impact of inappropriate policies or products resulting from research misconduct. It notably covers (1) policy decisions based on falsified research results or biased scientific advice and (2) products (pesticides, medication etc.) put on the market further to a non rigorous scientific validation process.

Beyond the estimation of the economic impact of misconduct, the study should also, estimate the economic benefit that could be derived from a more responsible conduct of research (increase reproducibility of research findings, improving availability of research results, interactions with concerned actors when designing and performing research etc.) in the EU and worldwide. In addition to general figures, a few concrete and illustrative cases should be analysed to support the impact narrative.

The Commission considers that proposals requesting a contribution from the EU of the order of EUR 1 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact: A better understanding of the economic and social impact of research misconduct and responsible conduct of research will support the development of a coherent and efficient research integrity policy in the European Research Area.

Type of action: Coordination and Support Actions.

The conditions related to this topic are provided at the end of this call and in the General Annexes

CONDITIONS FOR THIS CALL

Opening date(s)²⁵: 02/06/2014 for 2014 topics except for GARRI.7.2014 and GARRI.8.2014
 20/12/2013 for GARRI.7.2014 and GARRI.8.2014
 15/05/2015 for 2015 topics

Deadline(s)²⁶:

GARRI.1.2014 GARRI.3.2014 GARRI.5.2014 GARRI.6.2014	02/10/2014 at 17.00.00 Brussels time	
GARRI.7.2014 GARRI.8.2014	12/3/2014 at 17.00.00 Brussels time	
GARRI.2.2015 GARRI.4.2015 GARRI.9.2015		16/09/2015 at 17.00.00 Brussels time

Overall indicative budget: EUR 12.3 million from the 2014 budget and EUR 5.5 million from the 2015 budget²⁷.

	2014 EUR	2015 EUR	
GARRI.1.2014	2.5 million		Single stage
GARRI.2.2015		3 million	Single stage
GARRI.3.2014	1.5 million		Single stage
GARRI.4.2015		1.5 million	Single stage
GARRI.5.2014	2 million		Single stage
GARRI.6.2014	2.3 million		Single stage
GARRI.7.2014	2 million		Single stage

²⁵ The Director-General responsible may decide to open the call up to one month prior to or after the envisaged date of opening

²⁶ The Director-General responsible may delay this deadline by up to two months

²⁷ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2015 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

HORIZON 2020 – WORK PROGRAMME 2014-2015

Science with and for Society

GARRI.8.2014	2 million		Single stage
GARRI.9.2015		1 million	Single stage

Eligibility and admissibility conditions: The conditions are described in parts B and C of the General Annex to the work programme, with the following exceptions:

GARRI.1.2014 GARRI.2.2015	The specific eligibility conditions are the following: The consortium shall comprise at least one of each of the following types of partners: research performing or funding organisations, industry / businesses, policy makers, Civil Society Organisations.
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GARRI.3.2014 GARRI.4.2015 GARRI.5.2014 GARRI.6.2014 GARRI.7.2014 GARRI.8.2014 GARRI.9.2015	Up to one project per topic shall be funded.
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Evaluation criteria, scoring and threshold: The criteria, scoring and threshold are described in the part H of the General Annex to the work programme, with the following exceptions:

GARRI.2.2015 GARRI.4.2015	Under the criterion "excellence" - "Soundness of the concept, <u>including trans-disciplinary considerations, where relevant</u> " will be applied.
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Evaluation procedure: The procedure for the setting a priority order for proposals with the same score is given in part H of the General Annex to the work programme.

The full evaluation procedure is described in the relevant guide²⁸ published on the Participant Portal.

- Indicative timetable for evaluation and grant agreement:

	Information on the outcome of the evaluation (<i>single stage</i>)	Information on the outcome of the evaluation (<i>second stage</i>)	Indicative date for the signing of grant agreements
GARRI.1.2014 GARRI.2.2015 GARRI.3.2014 GARRI.4.2015 GARRI.5.2014	Maximum 5 months from the final date of submission	N/A	Maximum 3 months from the date of informing

²⁸ See: http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-guide-pse_en.pdf

HORIZON 2020 – WORK PROGRAMME 2014-2015

Science with and for Society

GARRI.6.2014 GARRI.7.2014 GARRI.8.2014 GARRI.9.2015			applicants
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Consortium agreements: In line with the Rules for participation and the Model Grant Agreement, participants in Research and Innovation Actions or Innovation Actions are required to conclude a consortium agreement prior to the grant agreement.

Other actions^{29 30}

Grant to identified beneficiary

1.2014 - Conference on Stock Taking Science in Society projects throughout Sixth and Seventh Framework Programmes³¹

The Conference will be organised under the auspices of the Italian Presidency as an occasion to present the results of projects funded under the 6th Framework Programme (Science and Society) and the Science in Society part of the 'Capacities' Specific Programme under the 7th Framework Programme and link the above actions with emerging priorities in Horizon 2020. The Conference will be organised around various Science in Society (SiS) activities and the different keys of Responsible Research and Innovation (RRI) which constitutes the framework to respond to societal challenges and among other elements: Engagement of citizens in R & I to increase the quality, relevance, acceptability and sustainability of innovation outcomes by integrating society's expectations, interests and values; a scientifically literate, responsible and creative society; integration of gender dimension in research and innovation content; free accessibility and availability on Internet of publicly-funded research; embedding the ethics dimension in the design, implementation and impact of research actions, including their innovation potential; governance rules to favour the take-up of the above elements; international perspective of Science in Society projects over Sixth and Seventh Framework Programmes, etc. In addition, to these different aspects, the international dimension and comparison with practices in the Member States will also be addressed by this Conference. In preparing this event, the organisers shall garner the analyses and best practices of Science with and for Society as well as the evaluations of Sixth and Seventh Framework Programmes (Interim evaluation) and present them during the event. The coordinators of SaS/SiS projects, the NCPs and other relevant SiS actors at the EU and international level will be invited to interact in this Conference. This action will be further promoted through the EURAXESS initiative.

The standard evaluation criteria, thresholds, weighting for award criteria and the maximum rate of co-financing for this type of action are provided in parts D and H of the General Annexes.

Expected impact: The Conference will help the Commission to assess the impact of the Science in Society programme on Research and Innovation. It will enable the Commission to draw lessons from previous Framework Programmes and prepare the future of Science With and For Society activities. It will raise consensus concerning the implementation of RRI principles in H2020, and help further shape Commission policy in the area.

²⁹ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2014 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

³⁰ The budget amounts for 2015 are indicative and will be subject to a separate financing decision to cover the amounts to be allocated for 2015.

³¹ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

This action will be managed by the European Commission as directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders.

Legal entity: CNR Consiglio Nazionale delle Ricerche Piazzale Aldo Moro,7 - 00185, ROMA. APRE Agenzia per la Promozione della Ricerca Europea, Via Cavour n.71, 00184, Roma, Italy.

Type of action: Grant to Identified Beneficiary – Coordination and support action.

Indicative time to grant: 2nd Quarter 2014.

Indicative budget: EUR 0.8 million in 2014

2.2014 - European Union Contest for Young Scientists (EUCYS) 2014³²

The European Union Contest for Young Scientists brings together first prize winners of national contests for pre-Higher Education Institution school science projects to compete for prizes and awards. The EU Contest takes place each year in a different location. This Contest provides additional stimulus to young people who have already demonstrated that they are applying science to solve problems. Many go on to become successful scientists. It attracts a considerable level of co-funding in the host country, and high levels of international media attention. International research organisations and similar bodies donate many of the non-monetary prizes.

The standard evaluation criteria, thresholds, weighting for award criteria and the maximum rate of co-financing for this type of action are provided in parts D and H of the General Annexes.

Expected Impact: The contest will bring greater awareness of and interest in science and research among high school leavers. In the medium term, it will help close the skills gap in STEM, as more young people consider enrolling in scientific career paths. In the long term, it will directly contribute towards the objective of a science literate, knowledge society where scientists are aware of social needs.

Legal Entity: Bureau of Communications and External Relations, Higher Education Institution of Warsaw, Kazimierzowski Palace, Krakowskie Przedmiescie 26/28 00-927 Warsaw, Poland.

Type of action: Grant to Identified Beneficiary – Cooperation and support action.

Indicative time to grant: 2nd Quarter 2014.

Indicative budget: EUR 0.8 million in 2014.

³² This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

3.2015 - European Union Contest for Young Scientists (EUCYS) 2015³³

The European Union Contest for Young Scientists brings together first prize winners of national contests for pre-Higher Education Institution school science projects to compete for prizes and awards. The EU Contest takes place each year in a different location. This Contest provides additional stimulus to young people who have already demonstrated that they are applying science to solve problems. Many go on to become successful scientists. It attracts a considerable level of co-funding in the host country, and high levels of international media attention. International research organisations and similar bodies donate many of the non-monetary prizes.

The standard evaluation criteria, thresholds, weighting for award criteria and the maximum rate of co-financing for this type of action are provided in parts D and H of the General Annexes.

Expected Impact: The contest will bring a greater awareness of and interest in science and research among school students. This action will seek to garner collaboration from industry.

Legal Entity: FAST – Federazione delle Associazioni Scientifiche e Tecniche, Piazzale Morandi 2, 20121 – Milan, Italy.

Type of action: Grant to Identified Beneficiary - Coordination and support action.

Indicative time to grant: 2nd Quarter 2015.

Indicative budget: EUR 0.8 million in 2015

4.2015 - The Euroscience Open Forum (ESOF) 2016³⁴

The Euroscience Open Forum (ESOF) is held bi-annually under the auspices of the researcher organisation Euroscience. It is dedicated to scientific research and innovation and designed by Euroscience as a unique opportunity in Europe to:

- Strengthen the links between Science & Society,
- Create an integrated space for S&T in Europe,
- Foster a European Platform for debate on S&T,
- Influence S&T policies

A grant support will be offered to this inter/trans-disciplinary pan-European meeting to ensure that a structured and expanded dialogue among all societal actors (researchers, citizens, policy makers, business, third sector organisations etc.) will be developed along the lines of the Science with and for Society Programme. In this context a special

³³ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

³⁴ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

emphasis will be put on the promotion and further understanding of the Responsible Research and Innovation concept. A special focus will be put on the Engagement of Citizens in Science, the Engagement of Researchers and Innovators in Society and the Increasing Relevance of Research and Innovation Policies for Society. An inclusive and integrated combination of seminars, workshop, debates and round table discussion using new interactive and engaging formats will be provided and centred on Horizon 2020 key societal challenges. The proposal will be evaluated in accordance with the standard evaluation criteria (including weight and thresholds) and subcriteria, together with an eligibility, selection and award criteria for the funding scheme as set out in Annex 2 of this work programme.

The standard evaluation criteria, thresholds, weighting for award criteria and the maximum rate of co-financing for this type of action are provided in parts D and H of the General Annexes.

Expected impact: The conference will be of the biggest European science communication platforms; in the medium term. The Euroscience Open Forum will raise awareness among a very large public on the concept of Responsible Research and Innovation (RRI) as a cross cutting issue for Horizon 2020 and in the context of European Research Area (ERA).

Legal entities:

- The University of Manchester, Oxford Road, Manchester, M13 9PL
- Marketing Manchester, Churchgate House, Oxford Street, Manchester, M1 6EU

Type of action: Grant to Identified Beneficiary – Coordination and support action.

Indicative time to grant: 3rd Quarter 2015.

Indicative budget: EUR 1 million in 2015.

Expert groups

6.2014.2015 – External expertise³⁵

This action will support the use of appointed independent experts for the evaluation of project proposals, including ethics assessments³⁶ and ethics checks and audits³⁷, where appropriate, for the reviewing and monitoring of projects.

Type of action: Expert Contracts.

Indicative timetable: 4th Quarter 2014 and 4th Quarter 2015.

Indicative budget: EUR 1.735 million in 2014 and EUR 1.25 million in 2015

³⁵ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

³⁶ In Horizon 2020

³⁷ In the seventh Framework Programme

Public procurements

7.2014 – Data Collection and analysis on researchers in the European Union and abroad in the context of ERA and RRI³⁸

The aim is to provide internationally comparable data and indicators to monitor progress towards a genuine open labour market for researchers including gender, mobility, career development, working conditions etc. to support further evidence-based policy developments.

This action will be managed by the European Commission as directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders.

Expected impact: The study will support evidenced-based policy making in relation to completion of the ERA and inform Responsible Research and Innovation policy action.

Type of action: A maximum of four specific contracts will be signed under existing framework contracts - Public Procurement.

Indicative timetable: Third quarter of 2014.

Indicative budget: EUR 1.2 million in 2014

8.2014 - EURAXESS Services, Links, Rights, Jobs and cross-cutting activities³⁹

This action will contribute to support to cross-cutting promotional activities, conferences, events, mutual learning seminars, publications, promotional stands and materials and in particular:

- Preparation of the EURAXESS Services Network biennial Conference and the EURAXESS Links International Conference;
- Support to annual Human Resources (HR) Strategy Mutual Learning Seminars and Peer learning activities and ad hoc policy learning workshops on specific policy issues including the testing of policy developments amongst key stakeholders;
- EURAXESS “Voice of the Researchers” Conference to be held in 2015 to continue the open dialogue with researchers, specifically young ones;
- Preparation of the Communication Campaign “EURAXESS Road Show” to increase awareness of our policies for researchers and Higher Education Institutions including open access, gender issues, career development and mobility; -animation activities related to EURAXESS, e.g. workshops and training sessions.

³⁸ This activity- directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders- is excluded from the delegation to REA and will be managed by the Commission services.

³⁹ This activity- directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders- is excluded from the delegation to REA and will be managed by the Commission services.

Expected impact: Increased visibility and awareness of the policy actions on researchers and Higher Education Institutions, implemented through EURAXESS Services, Links, Rights and Jobs leading to an increased use and commitment of the research community including the international community of researchers considering the European Union as their main research environment and partner. Higher Education Institution students and young researchers will also be familiarised with the European policies and programmes aiming to support the European Research Area (ERA) and Research and Innovation including open access policy and gender. The researcher's career will be promoted as a highly international, challenging and sustainable profession for young people, including women. Over time, the action will support EURAXESS actions that contribute directly towards European targets on R&D intensity, to meeting the objectives of the Innovation Union, to increase the percentage of researchers in the active population, and to boost European research competitiveness.

Type of action: A maximum of 10 specific contracts will be signed under existing framework contracts - Public Procurement).

Indicative timetable: first and second semester of 2014 and 2015

Indicative budget: EUR 2.95 million in 2014

9.2014- EURAXESS LINKS 3rd phase of implementation⁴⁰

This action aims at preparing the 3rd phase of the EURAXESS Links Network by increasing the research resources linked to the project both in the six world destinations and centrally for the overall coordination, management, reporting and follow-up during the period 2014-2015. New resources will be used to both animate the community and prepare the 3rd phase of the project with the possible expansion to new countries.

Expected impact: By the end of the action, an increase in the membership of at least 50% compared to the first phase of EURAXESS Links. Over time, the action will support EURAXESS actions that contribute directly towards European targets on R&D intensity, to meeting the objectives of the Innovation Union, to increase the percentage of researchers in the active population, and to boost European research competitiveness.

Type of action: A maximum of six specific contracts will be signed under existing framework contracts - Public Procurement

Indicative timetable: first semester of 2014

Indicative budget: EUR 1 million in 2014

⁴⁰ This activity- directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders- is excluded from the delegation to REA and will be managed by the Commission services.

10.2014 - EURAXESS LINKS Framework Service Contract⁴¹

A new Framework Service Contract will support and give sustainability to the EURAXESS Links project, both the animation of the network and the related awareness raising activities, during the period 2015-2018. Making stock of the experience gained through the first Framework Contract, services will be further developed and tailored. The performances of the network should be increased by the new structure both in terms of outcomes and visibility. This framework service contract will be published in 2014 to support the EURAXESS cross-cutting activities and the Links Network during the 3rd phase of the project. The total duration of the framework contract will be 4 years.

Expected impact: Over time, activities within the Framework Service Contract will support EURAXESS actions that contribute directly towards European targets on R&D intensity, to meeting the objectives of the Innovation Union, to increase the percentage of researchers in the active population, and to boost European research competitiveness. By mid-2018, increased membership of 30% as compared to December 2015. In the medium term, a wider network aims at providing access to a complete range of information and support services for international researchers wishing to pursue their research careers in Europe. EURAXESS Links shall provide a platform for researchers to network and promote the excellent European research opportunities.

Type of action: A new Framework contract will be signed - Public Procurements.

Indicative timetable: Publication of the tender on second semester of 2014.

Indicative budget: Total budget for the framework contract: 6 M€

12.2015 - EURAXESS Services, Links, Rights, Jobs and cross-cutting activities⁴²

This action will contribute to support to cross-cutting promotional activities, conferences, events, mutual learning seminars, publications, promotional stands and materials. The researcher's career will be promoted as a highly international, challenging and sustainable profession for young people, including women. Higher Education Institution students and young researchers will continue to be familiarised with the European policies and programmes aiming to support the ERA and Research and Innovation including open access policy and gender.

Expected impact: The activities supported will lead to increased visibility and awareness of policy actions on researchers and Higher Education Institutions implemented through EURAXESS Services, Links, Rights and Jobs. They also will increase use and buy-in of the research community, including the international community of researchers that consider the EU as a main research environment and partner. Over time, these activities will support actions that contribute directly towards European targets on R&D intensity,

⁴¹ This activity - directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders - is excluded from the delegation to REA and will be managed by the Commission services

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to meeting the objectives of the Innovation Union, to increase the percentage of researchers in the active population, and to boost European research competitiveness.

Type of action: A maximum of ten specific contracts will be signed under existing framework contracts -Public Procurement.

Indicative timetable: first and second semester of 2015

Indicative budget: EUR 0.3 million in 2015

13.2015 - EURAXESS LINKS Implementation 2016-2018⁴³

This action will support to the EURAXESS Links network during the implementation of the new framework contract covering more countries or hubs during the period 2016-2020. The first specific contract implementing the new EURAXESS Links Framework Contract will cover the animation of the network during an initial period of 30 months. The new contract will guarantee the continuity of the operations of the network in the different destinations and allow the extension of the activities to new countries and tasks.

Expected impact: By mid-2018, increased membership of 30% as compared to December 2015. In the medium term, a wider network aims at providing access to a complete range of information and support services for international researchers wishing to pursue their research careers in Europe. EURAXESS Links shall provide a platform for researchers to network and promotes the excellent European research opportunities

Type of action: A maximum of six specific contracts will be signed under existing framework contracts - Public Procurement.

Indicative timetable: second semester of 2015

Indicative budget: EUR 6 million in 2015

14.2015 Human Resources Strategy for Researchers Coordination and Implementation⁴⁴

More and more employers of researchers and funders recognise the importance of making research careers in Europe more attractive, and enabling researchers to undertake work of a high calibre in a supportive environment. As a result, a steadily growing number of institutions are voluntarily participating in the Human Resources Strategy for Researchers (HRS4R). Improving Human Resources Management (HRM) will increase the attractiveness of European research careers, particularly for early stage researchers and young people considering research as a career option. The HRS4R is gaining traction across Europe and is accepted as a valuable tool to promote continued improvement in human resources practices for researchers. Therefore an outsourcing and full

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coordination of the HRS4R for ongoing and new participating institutions is foreseen on a pan-European scale. This includes guiding institutions through steps one to three (award of the HR logo), providing constructive feedback, and further support and reviews for steps four and five. A pool of peer reviewers is foreseen for step five.

Expected Impact: The activity aims to improve working conditions for researchers. Increased awareness and implementation of the HRS4R across Europe will lead to all major research institutions awarded with the HR logo, while contributing to further recognition of the Strategy.

Type of action: Public Procurement

Indicative timetable: second semester of 2015

Indicative budget: EUR 1.5 million in 2015.Prizes

15.2015 - EU Prize for Women Innovators 2016⁴⁵

Europe urgently needs more innovators to stay competitive in the coming decades and to spur economic growth. The large number of well-educated women researchers who, for various reasons, including lack of awareness, do not consider entrepreneurship as an option, represents a tremendous untapped pool of innovation.

Awards have a strong potential to drive innovation through the recognition of achievements and the promotion of role models. Therefore, the European Commission created in 2011 a Prize for Women Innovators to increase public awareness of this issue and to encourage women to exploit the commercial and business opportunities offered by their research projects and become entrepreneurs. After the success of the forerunners of the competition in 2011 and 2014, the Commission intends to continue its drive to spotlight women researchers who have brought outstanding innovations to the market. The Commission plans to award up to three "EU Prize for Women Innovators 2016" following a European-wide contest. The prizes are addressed to women who have founded or co-founded a company and who themselves or their company have benefitted from EU funding related to Research and Innovation. The prizes will not reward research or innovation proposed for the future, but only achievements that have been already obtained by the candidate.

Implementation and management:

The rules of the contest are established and published by the Commission, which will launch and manage the contest and award the prizes. Entries have to be submitted by the contestant (natural person) via the web-based submission forms on www.ec.europa.eu/women-innovators.

The candidates will have to provide proof of eligibility and a written presentation of their achievements, which will be presented to a High Level Jury for evaluation.

The High Level Jury will consist of a group of independent experts from business and academia appointed by the Commission. They will appraise the quality of the entries and submit to the Commission the final list of up to 3 selected women to be awarded.

⁴⁵ This activity directly aimed at supporting the development and implementation of evidence base for R&I policies and supporting various groups of stakeholders is excluded from the delegation to REA and will be managed by the Commission services.

Expected results: The contest will target women who have benefited from EU research and innovation programmes and who have combined their scientific excellence with an aptitude for business in setting up innovative enterprises.

Entries will have to clearly state the involvement of the contestants in the research and innovation activities and the potential of their product or service to access the market, also highlighting the relevant economic and societal impact.

Expected impact: The prizes will boost the public awareness of the, potential, importance and contribution of women researchers to entrepreneurship and will encourage entrepreneurial women to become innovators. Although women are more and more active in research, there are still too few women creating innovative enterprises. This represents an untapped potential for Europe which needs all resources to remain competitive and find solutions to our societal challenges. The prizes will therefore help to achieve the objectives of the Europe 2020 strategy.

Eligibility criteria: Contestants for the "EU Prize for Women Innovators 2016" shall comply with the following eligibility criteria to participate:

1. The contestant must be a woman.
2. The contestant must be an ordinary resident in an EU Member State or a country associated to Horizon 2020.
3. The contestant must be the founder or co-founder of an existing and active company.
4. The company was registered before 1 January 2013.
5. The annual turnover of the company was at least EUR 0.10 million in 2013 or 2014.
6. Either the contestant as a natural person or the company founded/co-founded by the candidate have received or is receiving funding from Horizon 2020, the European Research Framework Programmes, the EURATOM Framework Programme, the Competitiveness and Innovation Framework Programme (CIP) or actions relating to research and innovation under the European Structural and Investment Funds (prior to 2014 known as the Structural Funds).

Award criteria: The winners of the "**EU Prize for Women Innovators 2016**" will be selected according to the following award criteria, which will be assessed by an independent High Level Jury:

1. The **originality** and **marketability** of the developed product or service provided by the company of the candidate.
2. The **economic impact** - The economic impact of a product or service of the company for Europe is measured by the number of countries (inside and outside the EU) where the product or service is sold, and by the size of the turnover achieved with this service or product in 2013 and 2014.
3. The **high scientific content** of the innovation - the contestant must have been involved in the research and innovation activities connected to the origin of the

product or service provided by the company she has founded or co-founded. Entries will be compared according to the number of patents/co-patents, scientific publications (or co-publications) and trademarks.

4. The **societal impact** - the societal impact of a product or service of the company for Europe is defined by the potential of the service or product to help Europe address a grand societal challenges e.g. the ageing of the European population, global warming, clean water, renewable energy and resource efficiency.

Type of action: Prizes. First prize EUR 0.1 million, Second prize EUR 0,05 million, Third prize EUR 0,03 million.

Date of opening of the contest: 9 March 2015 at 12:00:00 Brussels local time.

Deadline to submit entries: 20 October 2015 at 12:00:00 Brussels local time.

Indicative budget: EUR 0.2 million from the 2015 budget, including 0.18 for the prizes and 0,02 million for the High Level Jury of external experts evaluating the proposals.

Budget

Calls	2014 Budget EUR million⁴⁶	2015⁴⁷ EUR million	Budget
Call H2020-SEAC-2014/15 Making Science Education And Careers Attractive For Young People	13.15 <i>from 08.020401</i>	8.9	
Call H2020-GERI-2014/15 Promoting Gender Equality in Research and Innovation	9.5 <i>from 08.020401</i>	9	
Call H2020 -ISSI-2014/15 Integrating Society in Science and Innovation	10.3 <i>from 08.020401</i>	22	
Call H2020 – GARRI-2014/15 Developing governance for the advancement of Responsible Research and Innovation	12.3 <i>from 08.020401</i>	5.5	
Other Actions	2014 Budget EUR million⁴⁸	2015⁴⁹ EUR million	Budget
Experts (expert evaluators, experts groups, monitors)	1.73 <i>from 08.020401</i>	1.25	
Grant to identified beneficiary – IPCC	1.6 <i>from 08.020401</i>	1.8	

⁴⁶ The budget figures given in this table are rounded to two decimal places.

⁴⁷ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2015 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

⁴⁸ The budget figures given in this table are rounded to two decimal places.

⁴⁹ The budget amounts for 2015 are subject to the availability of the appropriations provided for in the draft budget for 2015 after the adoption of the budget for 2015 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

HORIZON 2020 – WORK PROGRAMME 2014-2015

Science with and for Society

Public procurement	5.15 <i>from 08.020401</i>	7.8
Prizes		0.2
Estimated total budget	53.73	56.45

Contribution to horizontal activities (08.020500)		
Dissemination activities (see Part 17 of the work programme)	0.05 <i>from 08.020501</i>	0.05
Corporate communication (see Part 17 of the work programme)	0.02 <i>from 08.020501</i>	–
Estimated total budget for the horizontal activities	0.07	0.05

Estimated total budget including horizontal activities	53.80⁵⁰	56.50⁵¹
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⁵⁰ Including EFTA contribution

⁵¹ Including EFTA contribution