



DIRECTORATE-GENERAL FOR RESEARCH AND INNOVATION (RTD)

Public Consultation:

Horizon 2020 "Science with and for Society"

Work Programme 2018-2020

Fields marked with * are mandatory.

The objective of Part V of Horizon 2020 'Science with and for Society' is: "to build effective cooperation between science and society, to recruit new talent for science, and to pair scientific excellence with social awareness and responsibility". To that end, it indicates that the focus will be on the following 8 specific activities:

- a)** Make scientific and technological careers attractive to young students, and foster sustainable interaction between schools, research institutions, industry and civil society organisations;
- b)** Promote gender equality, in particular by supporting structural changes in research institutions and in the content and design of research activities;
- c)** Integrate society in science and innovation issues, policies and activities by incorporating the needs and values of citizens, thereby increasing the quality, relevance, social acceptability and sustainability of research and innovation outcomes in various fields of activity, from social innovation to areas such as biotechnology and nanotechnology, etc.
- d)** Encourage citizens, including children and youth, to engage in science through formal and informal science education, and promote the diffusion of science-based activities, namely in science centres and through other appropriate channels;
- e)** Develop the accessibility and the (re-)use of the results of publicly-funded research;
- f)** Develop the governance for the advancement of responsible research and innovation by all stakeholders (researchers, public authorities, industry and civil society organisations), which is sensitive to the needs and demands of society, and promote an ethics framework for research and innovation;
- g)** Take due and proportional precautions in research and innovation activities by anticipating and assessing potential environmental, health and safety impacts;
- h)** Improve knowledge on science communication in order to enhance the quality and effectiveness of interactions between scientists, general media and the public.

The aim of this consultation is to obtain views and contributions from a broad constituency on the potential strategy and priorities of the 'Science with and for Society' Work Programme for the period 2018-2020. Contributions will complement the opinion provided by an External Advisory Group of high-level experts set up by the Commission according to article 12 of Regulation (EU) No 1291/2013 establishing Horizon 2020.

The present consultation is structured around a set of questions which take into account the policy momentum and general framework set by European Commission President Jean-Claude Juncker's priorities, Commissioner Moedas' strategy on 'Open Innovation, Open Science, Open to the World', and builds upon the Science with and for Society part of the Horizon 2020 Work Programmes 2014-2015 and 2016-2017.

A. Information about the respondent

*** 1. Are you responding to this questionnaire on behalf of/as:**

- An individual
- A single organisation
- A network of organisations

*** 2. Please enter your name or the name of your organisation**

300 character(s) maximum

European Federation of Nurses Associations (EFN)

3. Please enter your e-mail address (this data will not be made public)

efn@efn.be

4a. Please indicate the type of organisation represented

- Not applicable (if individual)
- Higher education establishment
- Primary and/or secondary education
- Academy of science or technology
- International research centre
- Public research centre
- Private/commercial research centre
- Private non-profit research centre
- Non-research public sector
- Non-research private non-profit
- CSO (Civil Society Organisation)
- Non-research international organisation
- Non-research commercial sector including SMEs
- Consultancy
- Science museum or science centre
- Media sector
- Other

4b. Transparency Register ID

If you are answering as an organisation/institution, please provide your Register ID number. If your organisation/institution responds without being registered, the Commission will consider its input as that of an individual and will publish it as such.

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5. Have you or your organisation applied for funding under the current and/or any previous EC Framework Programmes for Research (e.g. H2020, FP7, FP6)?

- Yes
 No

*if so, please specify under which programme(s) (e.g. FP7 - Science in Society)

300 character(s) maximum

H2020, FP7

* 6. Please enter your country of residence or where your organisation is based.

Belgium

* 7. Language of your contribution

English

* 8. Please indicate your preference for the publication of your response on the Commission's website:

(Please note that regardless the option chosen, your contribution may be subject to a request for access to documents under [Regulation 1049/2001](#) on public access to European Parliament, Council and Commission documents. In this case the request will be assessed against the conditions set out in the Regulation and in accordance with applicable data protection rules.)

- Under the name given: I consent to publication of all information in my contribution and I declare that none of it is subject to copyright restrictions that prevent publication.
- Anonymously: I consent to publication of all information in my contribution and I declare that none of it is subject to copyright restrictions that prevent publication.
- Please keep my contribution confidential. (it will not be published, but will be used internally within the Commission)

* 9. **Gender** (this data will not be made public but used for statistical purposes only)

- Female
 Male

* 10. **Year of birth** - e.g. 1975 (this data will not be made public but used for statistical purposes only)

1973

B. "Science with and for Society" Priorities for the Work Programme 2018-2020

* 1. **What aspects of 'Science with and for Society', relating for instance to public engagement, science education, gender, ethics, open access and governance, require action under the Work Programme 2018-2020? Do you think they should be integrated across societal challenges and leadership in enabling and industrial technologies?**

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Nurses align the process and outcomes of care based on values, needs and expectations of European society. Anticipating and assessing potential implications & societal expectations are key for policy outcomes so there is an urgent need to allocate implementation research to the social actors' frontline. Nurses daily tackle such societal challenges like elderly care (dementia). Nurse researchers are in a position to engage with society through R&I activities, increase the accessibility to scientific results (translating them in an operational language) and promote (in)formal science education. As nursing research takes place frontline the program should focus on public engagement, empowerment/partnership with patients, gender, ethics and open access. These vital aspects, when tackled simultaneously, impact on science education and governance as bottom up is the best way to translate research findings into concrete action by bringing research-driven results to markets and upscaling them.

*** 2. What activities, types of publications and events, and impacts could be foreseen from the Work Programme 2018-2020? Which innovations (understood in their broadest sense including social innovations) relating to aspects of 'Science with and for Society' could reach market or societal deployment within 5-7 years?**

1000 character(s) maximum

It is important to realise the health and social care (interprofessional) ecosystem must contribute to welfare and growth in the health and life sciences industries. Research and evidence based practices developed through a bottom-up approach need to contribute to growth in this sector. A good example was the ENS4Care project in which a consortium of 24 partners developed 5 EU guidelines based on 120 good, existing practices. Innovations that reach the market or societal deployment in the coming years can be easily developed in the health and social care ecosystem with the ultimate aim to support frontline! Secondary research should also be considered as an important area. There are a lot of excellent studies which are not utilized in practice. Synthesized research (systematic reviews, guidelines) are essential for developing evidence based practice. Research should focus on integrated, primary and community care and involved many partners (industry, professionals, academia).

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3. Which existing and emerging challenges (relating for instance to science and technology, innovation, markets and policies) and potential game changers (such as the role of the public sector in accelerating changes) should be taken into account?

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Challenges are the allocation of funding which reaches frontline in the health and social care and the lack of integration of existing solutions in national/regional health and social care systems and the inequities in quality and quantity of services provided throughout Europe. Resistance to technological advancements on the side of professionals, policy-makers and citizens also constitute a challenge. Implementation research is an existing and emerging challenge due to the complexity of the health and social care system. Although coordinated at EU level, national contexts should be kept into account as it has been clear that a one-fits-all solution in the area of health and social care is hard to find. Anyway, ENS4care has shown it possible to find a broad common denominator.

*** 4. Which areas would benefit most from the integration of horizontal aspects such as the social sciences and humanities, responsible research and innovation, gender aspects, and climate and sustainable development?**

1000 character(s) maximum

Nursing research, implementation research, system and outcome approach research, next to cross-disciplinary workforce research benefits most from the integration of horizontal aspects such as the social sciences and humanities, responsible research and innovation, gender aspects, and sustainable development. Truly transformative research, which could bring better outcomes for patients, increases welfare and economic growth and support sustainable health and care systems. This integration would also benefit nursing programs, relevant industries (and therefore the economy), it would increase the quality of life of people, families and communities and tackle ongoing demographic developments.

*** 5. Which policies or initiatives should be supported by a) 'Science with and for Society' and b) other parts of Horizon 2020, in order to mainstream Responsible Research and Innovation (RRI) within and outside the European Union?**

1500 character(s) maximum

Policies and initiatives related to the health and social ecosystem should be supported by the 'Science with and for Society' programme. There is an urgent needs to make the ecosystem sustainable based on the evidence developed by frontline. The 'Science with and for Society' programme should focus more on building capacities and developing innovative ways to transform health and social ecosystem frontline. As shown in ENS4Care, a thematic network, all societal actors within the ecosystem worked together in designing the guidelines for eHealth services in nursing and social care, to better align both the process and the outcomes with patients/citizens.

To mainstream Responsible Research and Innovation (RRI) within and outside the European Union, the policies and initiatives developed through the 'Science with and for Society' programme could be supported, linked to the Fast Track to Innovation (FTI) pilot programme which is a fully-bottom-up measure in Horizon 2020 to promote close-to-the-market innovation activities, and open to all types of participants. The health and social ecosystem could benefit from this support. Furthermore, the 'Teaming & Twinning Action' is key, next to the developed 'EU-US Memorandum of Understanding' (DG Connect), which currently looks at eSkills of the workforce.

6. Do you have any further comments?

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There should be a change in the profile of the evaluators for proposals on research and innovation. Not only academic profiles, and medical oriented mind-sets should be included, but also those supporting implementation and frontline research and innovation to detect and recognize the potential for change, moving from an old medical approach to an integrated care approach of the health and social ecosystem.

More efforts need to be made towards implementation, otherwise research results stay on the bookshelves! Although the evidence is well presented and compelling, the surrounding circumstances to move forward are too difficult. A possible way of assessing the factors which will drive a change and its likelihood of success is PESTLE, and should be key criteria for potential implementation: 1. Political factors (role of policy, government, elections); 2. Economic (financial considerations, supply and demand issues); 3. Social (public reactions, acceptability); 4. Technological (development of new devices, information systems, tests); Legal (legislative issues, contract law) and Ethical (professional standards, access issues).

Contact

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