

Horizon 2020 and the Joint Research Centre (JRC)

Horizon 2020 – delivering excellent science for Europe

Horizon 2020 is the biggest EU research and innovation programme ever. It promises breakthroughs and discoveries by taking great ideas from the lab to the market. Horizon 2020 will help to achieve smart, sustainable and inclusive economic growth. The goal is to ensure Europe produces world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in delivering solutions to big challenges facing our society.

Excellent science, competitive industry and a better society are at the heart of Horizon 2020. Targeted, smart funding will help ensure that the best ideas are brought to the market faster – and are used in our hospitals, factories, shops and homes as quickly as possible.

How will the Joint Research Centre contribute to achieving the objectives of Horizon 2020?

The JRC is the Commission's in-house science service and the only service responsible for direct research. It is funded by Horizon 2020 which sets out the overall objective for the JRC non-nuclear work as follows: to provide customer-driven scientific and technical support to Union policies, while flexibly responding to new policy demands. Therefore, the JRC contributes to Horizon 2020 general objective and priorities by, inter alia:

- Providing direct scientific support to the Commission's policy departments;
- Developing standards and providing references in support of European competitiveness;
- Upholding innovation and thus supporting the science agenda of relevant instruments such as European Innovation Partnerships as well as public-private partnerships and public-public partnerships;
- Helping bolster knowledge and technology transfer.

The JRC's nuclear work within the [EURATOM](#) Research and Training Programme complementing Horizon 2020 has as objective to pursue research, manage knowledge and training activities with emphasis on nuclear safety and security, while contributing to the transition to a carbon free economy in a safe, efficient and secure way.

In addition, the JRC uses its scientific competences for cross-cutting and network-building activities in order to leverage and boost engagement of industry, develop new knowledge and skills and build strong partnerships with the Member States and other international stakeholders.

In order to fulfill its mission as reference centre for the EU, key contributor to and facilitator of the European Research Area, the JRC will also continue to develop and upgrade its state-of-the-art research infrastructure (including e-infrastructures).

Horizon 2020 and the JRC Scientific Support

-some facts and figures -

- Horizon 2020 amounts to €79 billion of funding available over 7 years (2014-2020), in addition to the private investment that this money will attract;
- 2.47% (€1903 million) of the total Horizon 2020 budget will fund **JRC's** non-nuclear direct actions;
- 34.90% (€560 million) of the total EURATOM budget (estimated to €1.603 billion for 2014-2018) will fund **JRC's** nuclear direct actions;
- 712 concrete projects make up the JRC's first Work Programme for 2014-2015 under Horizon 2020 Check all projects on JRC website: www.jrc.ec.europa.eu

Collaborating with the JRC in Horizon 2020

Where appropriate and eligible, the JRC can participate as partner in calls for proposals relevant to its policy support work. The JRC can contribute its long-standing scientific expertise, modelling capacity, foresight studies, work on standards, infrastructure and e-infrastructures.

How to apply

Two year work programmes announce the specific research areas that will be funded by Horizon 2020. Look out for them on the online [Participant Portal](#) as they can be used as a calendar for the "Calls for Proposals" commonly known as "Calls", to be published during the year. The [Participant Portal](#) provides all the tools you need to apply for funding, and afterwards to administer an EU-funded research or innovation project.

[National Contact Points](#) (NCPs) provide information and personalised guidance on Horizon 2020. There is at least one in every EU Member State and some in other countries. The JRC also operates a network of National Contact Points. Their role is to act as intermediaries and operational contact points between the JRC and the relevant stakeholders from the scientific community, industry and public authorities of the EU Member States and Associated Countries.

Useful links

Further information about the JRC and its research institutes:

www.jrc.ec.europa.eu

Horizon 2020 website:

www.ec.europa.eu/horizon2020

Participant Portal:

<http://ec.europa.eu/research/participants/portal>

Research Enquiry Service:

<http://ec.europa.eu/research/enquiries>

National contact Points (NCPs):

<http://ec.europa.eu/research/participants/portal/page/>