

The European Commission is seeking external experts to assess Horizon 2020 projects in the context of the [Innovation Radar initiative](#). Selected experts shall have a strong background and knowledge in the areas of innovation, business development, financing and 'go to market', in addition to appropriate English skills, the language used for the Innovation Radar assessment. Furthermore, specialisation in at least one of the following domains is required:

- ICT: artificial intelligence, robotics, 5G, cloud computing, Internet of Things, high -performance computing, quantum technologies, neuromorphic computing technologies, Next Generation Internet, Fintech, cyber-physical systems of systems,
- Data sciences, Big Data technologies, data markets, data economy
- Cybersecurity, cyber-attacks, resilience
- Advanced manufacturing and processing: technologies for factories of the future, digital manufacturing platforms,
- Technologies enabling energy-efficient systems and energy-efficient buildings, sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries, smart land working environments, smart buildings, interoperable and smart homes, smart grids, smart cities and communities;
- Nanotechnologies: nanomaterials, , nanoelectronics, nanodevices, nanosystems, safety, societal dimension, synthesis and manufacturing, standardisation, measuring methods, equipment;
- Advanced materials: materials technologies, development, manufacturing, transformation, metrology, characterisation, standardisation, quality control and optimisation;
- Electronics: flexible and wearable electronics;
- Photonics;
- Biological sciences and biotechnology;
- Health: digital transformation of health and care, smart and healthy living, electronic health records, personalised medicine, Big Data and AI for health monitoring, diagnostics and treatment, active and healthy ageing, medicinal products;
- Energy: renewable (geothermal, hydropower, marine, wind, photovoltaics, concentrated solar power), energy storage, power-to-X, fuel cells and hydrogen technologies, , heating and cooling, combined heat and power (CHP) or cogeneration, energy system modelling, demand management, industrial processes, alternative renewable fuels and biofuels, carbon capture

storage (CCS) and utilisation (CCU), electrochemical energy storage, big data solutions for energy;

- Transport: connected and automated mobility, electric and hydrogen vehicles (cars, buses, heavy duty vehicles, etc.) and charging/refuelling infrastructure, auxiliary power unit;
- Civil, mechanical and aerospace engineering;
- Environmental sciences and engineering;
- Chemical sciences;
- Physical sciences;
- Mathematics, computer science and information science;
- Space technology, Earth observation;
- Agriculture: agricultural digital integration platforms;
- Research infrastructures, European Open Science Cloud.

The tasks will consist in assessing the market readiness of outputs from Horizon 2020 projects and identifying the most appropriate and best targeted actions that would fulfill the market potential of a project's innovation. Tasks will include:

- Assessing the maturity of innovations developed within a project and identifying high potential innovators and innovations (the methodology used for this is the "Innovation Radar" developed by the European Commission's Joint Research Centre (JRC) );
- Providing guidance during the project's lifetime to project partners in terms of the most appropriate steps to pursue to get project innovations to the market;
- Providing recommendations to improve the project's innovation capacity and its potential to deliver impact beyond its lifetime.

Projects will be assessed on their work and plans to get innovations to the market, at the first, interim and final reviews. The assessment of the experts will be captured via a comprehensive online questionnaire that covers all relevant aspects. The assessment will be done in cooperation with the European Commission/Executive Agency/Joint Undertaking colleague overseeing the project as well as representatives of the project consortium.

Interested Individuals are invited to create an expert profile on the European Commission's [Funding and tender opportunities portal](#). Experts who already have such a profile can login to the expert area and

edit/update their profile. The profiles should mention 'Innovation Radar' explicitly as a keyword, and the abovementioned domain(s) in which the expert is specialised.

Applications may only be submitted via the [Funding and tender opportunities portal](#).

More information about the working conditions of an expert for the European Commission's Horizon 2020 programme can be found on the [Funding and tender opportunities portal](#).

The experts shall be selected on the basis of their skills, experience and knowledge needed to carry out the tasks previously listed. Individuals applying for this express of interest should have appropriate English skills, the language used for the Innovation Radar assessment. Responding to the expression of interest, does not guarantee that a contract by the European Commission/Executive Agency/Joint Undertaking will be offered.