

The European Commission announced the second round of funding from the **two-year Horizon 2020 work programme** announced last October. It includes a number of new calls and consists in an investment of €8.5 billion to be released during 2017 into research and innovation, following an update to the Work Programme of Horizon 2020, the EU's research and innovation funding programme. For example, the new 'Closing the water gap' topic with a budget of €10 million in the 'Greening the economy' call aims to reduce fragmentation of water research and innovation efforts across Europe and contribute to the implementation of the Sustainable Development Goals (SDGs) as well as the conclusions of the COP21 Paris Agreement on climate change. With around €20 million, Horizon 2020 will also support the development of a new generation of cells and their integration in batteries, as part of the €133 million call for Green Vehicles. The ambition is to allow Europe to recover competitiveness in the production of future cells and batteries for transport and energy applications. Another novelty is the €4 million topic to support the policy development and implementation of the European Commission's FOOD 2030 initiative. This topic, included in the €280 million Sustainable food security call, aims to connect, structure and scale-up research and innovation for food and nutrition security in Europe, but in a global context. In addition, four new Horizon Prizes will be launched, focusing on boosting innovation in digital technologies and offering €11 million to winning solutions.

Among the modifications made are the introduction of open research data in all Horizon 2020 calls and the launch of research topics on migration challenges. Support for a range of cross-cutting initiatives will also be continued in 2017.

The updated **Work Programme** builds on the success of Horizon 2020 to date, but introduces important novelties. A particularly important change is the introduction of open research data (http://ec.europa.eu/research/press/2016/pdf/opa-data-infographic_072016.pdf#view=fit&pagemode=none) in all new Horizon 2020 calls and the strong commitment to research integrity and simplification as a driver for research quality. For projects funded under the programme, free online access to scientific data will become the norm. This move will boost competitiveness through open science by accelerating innovation and collaboration, improving transparency, and avoiding duplication of efforts.

The current Open Research Data Pilot will be extended so that Research data sharing by default will apply to all Horizon 2020 calls covered by the 2017 Work Programme. This means that grant beneficiaries must take measures to enable third parties to access, mine, exploit, reproduce and disseminate research data underlying their scientific peer reviewed publications free of charge. Horizon 2020 beneficiaries are encouraged to also share datasets beyond these publications. Projects can "opt-out" of these provisions in case of conflicts with IPR, personal data protection, national security or other concerns.

The package of migration actions aims to bring together pertinent research communities to map, assemble and synthesise currently running migration research in Europe. It will compare national asylum laws and policies, including their implementation under stress, and identify ways for more harmonisation. It will also make policy recommendations on how to facilitate labour market integration of migrants.

[The new EC guidelines on Research Data Management](#) and the template of the Data Management Plan have been adopted this 26 July 2016 (v3.0 26/07/2016) and they are available at the following link:

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

New is that a single Data Management Plan (DMP) should be written for the whole research project and not one DMP per dataset. Also the researchers have to work according to the so-called FAIR data principles, in other words the data must be: Findable, Accessible, Interoperable and Reusable. There are 31 questions in the DMP that has to be addressed.

As already known, from 2017 the Open Research Data Pilot applies to all H2020 projects and not only for research projects in specific fields. However, opting out is still one of the possibilities. The reasons for opting out should be given in the DMP.