



Training Seminar for European Documentation Centres

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HORIZON 2020

The biggest ever funding programme for research and innovation



77 billion EUR of funding between 2014 and 2020 boosting growth and jobs

Horizon 2020 for growth and jobs

- **helps to tackle** challenges **like climate change, energy or public health**
- **based on extensive** consultation and stakeholder involvement
- funds researchers and innovators **at the cutting edge of their research disciplines, working on the latest breakthroughs in science (MSCA and ERC)**
- **supports projects across the cycle from research to innovation, using a range of financial instruments to facilitate their** exploitation and access to markets



Horizon 2020 for growth and jobs

- **invests in** training of researchers **including exchanges between industry and academia, creates opportunities to** build research teams **in MS where the R&I potential is underexploited, and takes a strategic approach to** international cooperation **in R&I.**
- **opens up European research and innovation by** attracting more SMEs
- **ensuring** better use of research results **and strengthening research cooperation with other countries**
- **greatly enhances the impact of EU research funding (**[EU Budget focused on Results](#)**)**

Horizon 2020 strengthens Europe's global competitiveness, creates new and sustainable jobs and promotes growth

Horizon 2020

- **brings innovations to market (Open Innovation)**
- **makes research more participative (Open Science)**
- **opens science to the world**

One Year On
Commissioner Carlos Moedas

“ Research and innovation are essential to the Juncker Commission’s ten priorities, especially jobs and growth. We’re reaching these goals through Open Science, Open Innovation and by being Open to the World. ”



 European
Commission |

 @Moedas
 Carlos Moedas
 c_moedas

Vision for Europe

The Three Os – Open Innovation, Open Science, Open to the World

The book [Open Innovation, Open Science, Open to the World - a vision for Europe](#) brings together some of the key conceptual insights behind the "Three Os" and highlights actions that are already taking place or are being prepared at time of publication in May 2016.

It is hoped that the ideas and initiatives described in the book will stimulate anyone interested in European research and innovation, and encourage debate and lead to new ideas on what the European Union should do, should not do, or do differently.

<http://ec.europa.eu/research/openvision/index.cfm>



Work Programme highlights

- **Strong alignment with Commission's 10 new policy areas**
 - notably contribution to **Jobs, Growth and Investment Package** to strengthen Europe's global competitiveness, create new and sustainable jobs and promote growth
- **Strongly cross-cutting calls e.g.**
 - **Internet of Things**
 - **Smart and Sustainable Cities**
 - **Industry 2020 in the Circular Economy**



Key features of Work Programme (2016-17)

- **Total budget over €16 bn. over two years**
- **Two years duration**
- **This package is Work Programme for Research and Innovation and Euratom**
- **European Research Council (ERC) Work Programme already adopted on 28 July 2015**
- **Calls published on 13 October 2015**

Access to scientific data

Open Access (Open Science)

A core strategy in the European Commission to improve knowledge circulation **and thus innovation. It is illustrated in particular by the general principle for** open access to scientific publications in Horizon 2020 and the pilot for research data.

<https://ec.europa.eu/programmes/horizon2020/en/h2020-section/open-science-open-access>

European Cloud Initiative

Offers Europe's 1.7 million researchers and 70 million science and technology professionals a virtual environment to store, share and re-use their data across disciplines and borders.

<https://ec.europa.eu/digital-single-market/en/cloud>

Memo: http://europa.eu/rapid/press-release_IP-16-1408_en.htm

Infographics: <http://ec.europa.eu/research/index.cfm?pg=gallery>



European
Commission

#DigitiseEU
#openscience



*The European Open
Science Cloud will let
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technologies,
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Carlos Moedas

@Moedas



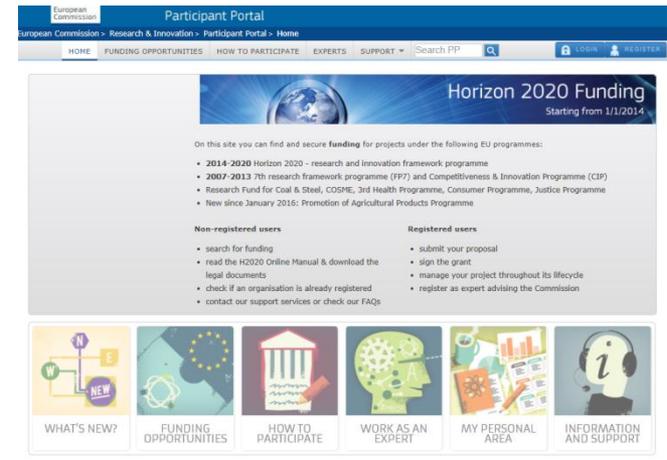
Digital Single Market



Where to find information?

Calls, help, networks – Participant Portal

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



General information about Horizon 2020

<https://ec.europa.eu/programmes/horizon2020/>

CORDIS – database of EU-funded research projects & their results

<http://cordis.europa.eu/>

Thank you!