



## Horizon 2020 – The EU Framework Programme for Research and Innovation

- \* [Horizon 2020: the European Commission's 2014-2020 Research and Innovation Programme](#)
- \* [2014-2015 work plan](#) : digital security identified as one of the focus points
- \* [Call for projects](#) : Cyber security, Privacy and Trust (published on 11 December)
- \* [Information session](#) : European Commission Information session on 15 January 2014

### Horizon 2020

Horizon 2020 is the biggest EU Research and Innovation programme ever. Horizon 2020 brings together all existing European Union research and innovation funding and has a budget of nearly 80 billion euro of funding available over 7 years (2014 to 2020). The funding is intended to help boost Europe's knowledge-driven economy, and tackle issues that will make a difference in people's lives. Horizon 2020 follows on the EU's Seventh Framework Programme for Research (FP7) which ran from 2007 to 2013<sup>1</sup>.

For the first two years of the Horizon 2020 programme a budget of more than 15 billion euro is available.

### Horizon 2020 focuses on 3 pillars

#### Excellent Science :

grants and fellowships for scientists and researchers ;

#### Industrial Leadership :

investments and support for key industrial technologies like ICT, nanotechnologies, advanced manufacturing, robotics, biotechnologies and space;

#### Societal Challenges :

Innovative Projects addressing Horizon 2020's seven Societal Challenges:

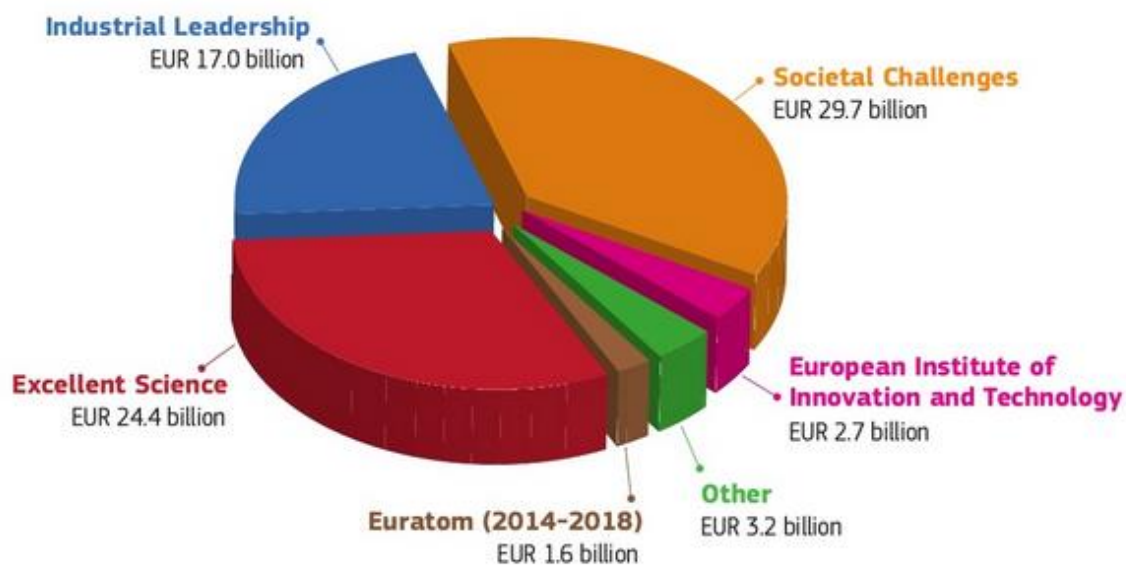
- (1) Health, demographic change and wellbeing;
- (2) Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bio economy;
- (3) Secure, clean and efficient energy;
- (4) Smart, green and integrated transport;
- (5) Climate action, environment, resource efficiency and raw materials;
- (6) Europe in a changing world - inclusive, innovative and reflective societies;
- (7) Secure societies - protecting freedom and security of Europe and its citizens.**

Providing enhanced **cyber-security**, ranging from secure information sharing to new assurance models, is identified as one of the aims under the Secure Societies Challenge<sup>2</sup>.

<sup>1</sup> [http://ec.europa.eu/research/fp7/index\\_en.cfm](http://ec.europa.eu/research/fp7/index_en.cfm)

<sup>2</sup> <http://ec.europa.eu/programmes/horizon2020/en/h2020-section/secure-societies-%E2%80%93-protecting-freedom-and-security-europe-and-its-citizens>

## HORIZON 2020 BUDGET (in current prices)



1 source [http://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/Factsheet\\_budget\\_H2020.pdf](http://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/Factsheet_budget_H2020.pdf)

### Horizon 2020 2014/2015 work plan – 12 focus areas

On 11 December 2013 the European Commission presented a first call for projects under Horizon 2020. A total of more than 15 billion euro is available for the period 2014-2015. Twelve areas were selected for a special focus during the first two years. The 12 focus areas represent around 15% of the total number of calls covered by the Work Programme and amount for a total 2014 budget of €2 billion.

The 12 focus areas are amongst other personalising health and care, sustainable food security, smart cities and communities, mobility for growth, ..., and **digital security**.

Digital security (2014 budget: €47 million, 2015 budget: €49.6 million)

Digital Security has many facets, including cybercrime, online privacy and the protection of fundamental rights. Digital Security in Horizon 2020 focuses on basic research and also the economic and societal dimension of security and privacy in the digital ecosystem, to ensure a well-functioning EU single market. It also helps implement the EU's wider cyber security strategy and the Digital Agenda. In particular, Horizon 2020 will fund research into activities which aim to increase the security of current applications, services and infrastructures and support the creation of lead markets and market incentives in Europe.

Calls that might be of interest to the CENTR members:

Call – Digital Security: Cybersecurity, Privacy and Trust *H2020-DS-2014/2015*

[Call document](#)<sup>3</sup> see pages 88-98

H2020-DS-2014-1 budget €47,040,000 [link](#)<sup>4</sup> (deadline 13 Mai 2014)

Topics : **Privacy** (DS-01-2014 [link](#)<sup>5</sup>)

**Access Control** (DS-02-2014 [link](#)<sup>6</sup>)

**Risk management and assurance models** (DS-06-2014 [link](#)<sup>7</sup>)

H2020-DS-2015-1 budget € 49,610,000 [link](#)<sup>8</sup> (indicative deadline 21 April 2015)

Topics : **The role of ICT in Critical Infrastructure Protection** (DS-03-2015 [link](#)<sup>9</sup>)

**Secure Information Sharing** (DS-04-2015 [link](#)<sup>10</sup>)

**Trust eServices** (DS-05-2015 [link](#)<sup>11</sup>)

Call – Industrial Leadership ICT2014 – Information and Communications Technologies *H2020-ICT-2014-1*

[Call document](#)

Under this sub-call:

**Cybersecurity, Trustworthy ICT** (ICT-32-2014 [link](#)<sup>12</sup> - deadline 23 April 2014)

- Security-by-design for end-to-end security
- Cryptography
- Activities supporting the Cryptographic Community

## Information session

The European Commission, DG Connect, is organising an information session on the calls for proposals addressing cyber security, privacy and trustworthy ICT research, development and innovation (ICT 32-2014 and DS 1.2.6 - 2014) on 15 January 2014 in Brussels. [Click for more information.](#)<sup>13</sup>

## Links and background information

Horizon 2020 – European Commission website

<http://ec.europa.eu/programmes/horizon2020/en>

Horizon 2020 portal

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

Horizon 2020 – first calls, press release 11 December 2013

[http://europa.eu/rapid/press-release MEMO-13-1122\\_en.htm](http://europa.eu/rapid/press-release_MEMO-13-1122_en.htm)

<sup>3</sup> [http://ec.europa.eu/research/participants/portal/doc/call/h2020/common/1587805-14.\\_secure\\_societies\\_wp2014-2015\\_en.pdf](http://ec.europa.eu/research/participants/portal/doc/call/h2020/common/1587805-14._secure_societies_wp2014-2015_en.pdf)

<sup>4</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-ds-2014-1.html>

<sup>5</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/99-ds-01-2014.html>

<sup>6</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1050-ds-02-2014.html>

<sup>7</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1051-ds-06-2014.html>

<sup>8</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-ds-2015-1.html>

<sup>9</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1052-ds-03-2015.html>

<sup>10</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1053-ds-04-2015.html>

<sup>11</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/1054-ds-05-2015.html>

<sup>12</sup> <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/96-ict-32-2014.html>

<sup>13</sup> <https://ec.europa.eu/digital-agenda/en/news/h2020-information-day-digital-security-cybersecurity-privacy-and-trustworthy-ict>