

ICT 2015 Calls & topics

ICT & Health in Horizon 2020

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ICT in Horizon 2020

- ~5% of the EU economy
- 25% of total business expenditure in Research and Development
- EU investments in ICTs: due to **increase** by **about 25%** compared to FP7
- support the whole chain **from basic research to innovation**

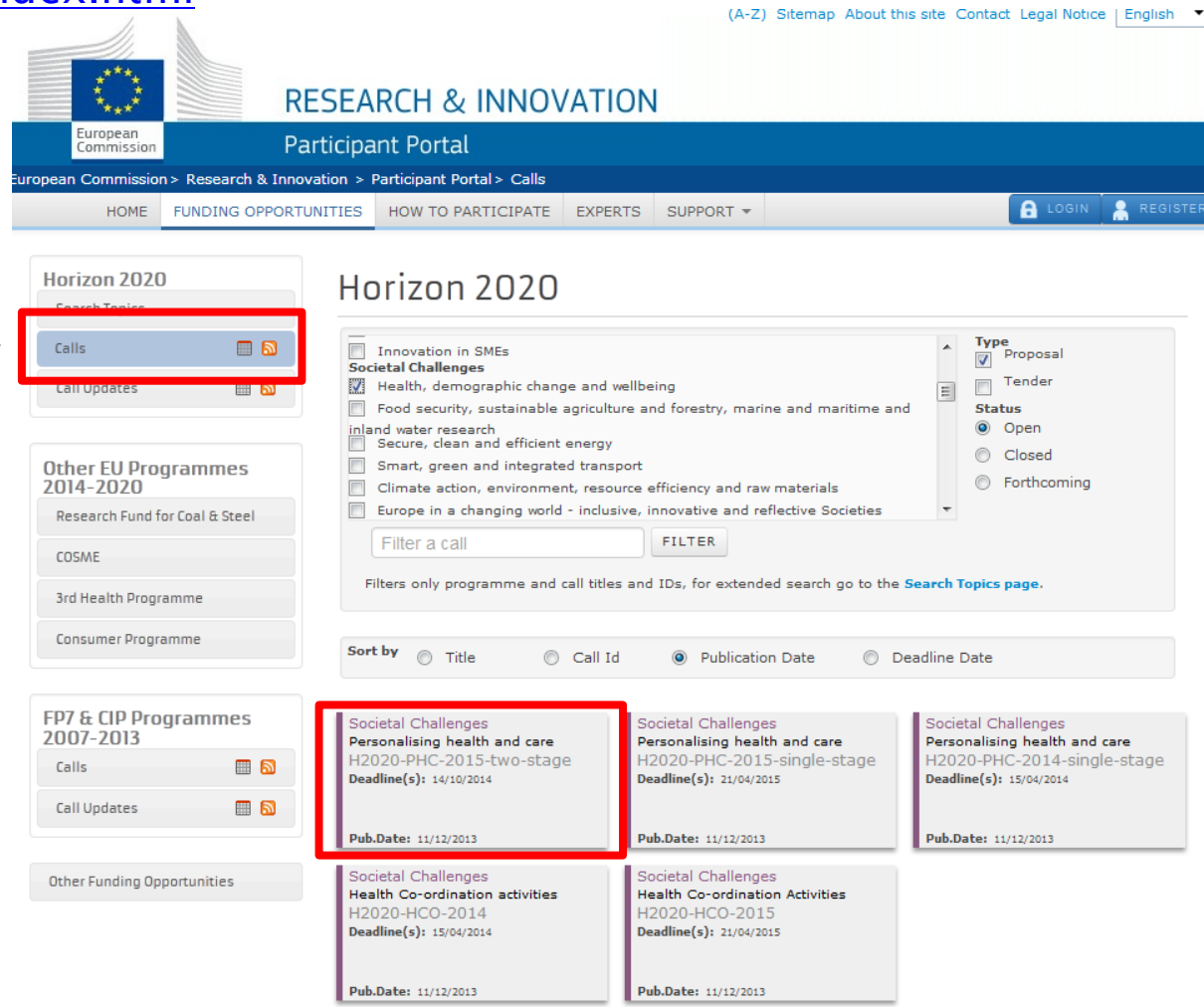
Where can you find the ICT related topics?

How to find calls and topics online

- Participant Portal:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

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RESEARCH & INNOVATION
Participant Portal

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Horizon 2020

Search Topics

Calls

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COSME

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Consumer Programme

FP7 & CIP Programmes 2007-2013

Calls

Call Updates

Other Funding Opportunities

Horizon 2020

Innovation in SMEs

Societal Challenges

Health, demographic change and wellbeing

Food security, sustainable agriculture and forestry, marine and maritime and inland water research

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, environment, resource efficiency and raw materials

Europe in a changing world - inclusive, innovative and reflective Societies

Type

Proposal

Tender

Status

Open

Closed

Forthcoming

Filter a call FILTER

Filters only programme and call titles and IDs, for extended search go to the [Search Topics page](#).

Sort by Title Call Id Publication Date Deadline Date

Societal Challenges Personalising health and care H2020-PHC-2015-two-stage Deadline(s): 14/10/2014 Pub.Date: 11/12/2013	Societal Challenges Personalising health and care H2020-PHC-2015-single-stage Deadline(s): 21/04/2015 Pub.Date: 11/12/2013	Societal Challenges Personalising health and care H2020-PHC-2014-single-stage Deadline(s): 15/04/2014 Pub.Date: 11/12/2013
Societal Challenges Health Co-ordination activities H2020-HCO-2014 Deadline(s): 15/04/2014 Pub.Date: 11/12/2013	Societal Challenges Health Co-ordination Activities H2020-HCO-2015 Deadline(s): 21/04/2015 Pub.Date: 11/12/2013	

HORIZON 2020

Excellent Science	Competitive Industries	Societal Challenges
<p>European Research Council (ERC)</p> <p>Future Emerging Technologies (FET)</p> <p>Marie Skłodowska Curie Actions (MSCA)</p> <p>European Research Infrastructures</p>	<p>Leadership in Enabling and Industrial Technologies</p> <p>Access to Risk Finance</p> <p>Innovation in SMEs</p>	<p>Health, Demographic Change and Wellbeing</p> <p>Food Security, Sustainable Agriculture, etc.</p> <p>Secure, Clean and Efficient Energy</p> <p>Smart, Green and Integrated Transport</p> <p>Climate Action, Resource Efficiency and Raw Materials</p> <p>Inclusive, Innovative and Reflective Societies</p> <p>Secure Societies</p>

European Institute of Innovation & Technology (EIT) • Joint Research Centre (JRC)
 • Spreading Excellence and Widening Participation • Science with and for Society

Competitive industries

Leadership in enabling and industrial technologies (LEIT)

(ICT, nanotechnologies, advanced materials, biotechnology, manufacturing, space)

Access to risk finance

Leveraging private finance and venture capital for research and innovation

Innovation in SMEs

Fostering all forms of innovation in all types of SMEs

Boosting Europe's industrial leadership through research, technological development, demonstration and innovation in:

ICT

Micro- and Nano-electronics & Photonics
Nanotechnologies
Advanced Materials
Biotechnologies
Advanced Manufacturing

Space



KETS
And
PPPS

Leadership in Enabling and Industrial Technologies: ICT

ICT focus

2015 call



Contact:

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- ~~1. A new generation of components & systems~~
2. Advanced Computing – customized and low power
3. Future Internet
4. Content Technology and Information management
5. Robotics
6. Micro- and nano-electronic technologies, Photonics

ICT focus – LEIT

2015 call topics

- **Advanced Computing**
- [ICT 4 – Customised and low power computing](#)
- **Future Internet**
- [ICT 10 – 2015: Collective Awareness Platforms for Sustainability and Social Innovation](#)
- [ICT 12 – 2015: Integrating experiments and facilities in FIRE+](#)
- [ICT 14 – 2014: Advanced 5G Network Infrastructure for the Future Internet](#)
- [ICT 30 – 2015: Internet of Things and Platforms for Connected Smart Objects](#)

ICT focus – LEIT

2015 call topics

- **Content technologies and information management**
- [ICT 16 – 2015: Big data - research](#)
- [ICT 19 – 2015: Technologies for creative industries, social media and convergence](#)
- [ICT 20 – 2015: Technologies for better human learning and teaching](#)
- **Robotics**
- [ICT 24 – 2015: Robotics](#)

ICT focus – LEIT

2015 call topics

- **Micro- and nano-electronic technologies, Photonics**
- [ICT 25 – 2015: Generic micro- and nano-electronic technologies](#)
- [ICT 27 – 2015: Photonics KET](#)
- [ICT 28 – 2015: Cross-cutting ICT KETs](#)

Industrial applications

Leadership in Enabling and Industrial Technologies: PUBLIC PRIVATE PARTNERSHIP

Competitive industries

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KETS
And
PPPS

Public Private Partnerships (PPPs)

- Industry plays leading role in defining research priorities
- Pre-defined budget ensures continuity and commitment
- Focused on enabling industrial technologies
- Increased use of SME-friendly instruments and demonstration
- Roadmaps prepared with large stakeholder involvement and public consultation
- Concrete technological and sector related objectives – commitment from industry to reach them and to provide the necessary R&D+I investments
- Fully open H2020 calls

PPP Programs



Contact

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- **JTI: Joint Technology Initiative on Electronic Components and Systems for European Leadership (ECSEL)**
- Robotics
- Photonics
- Advanced 5G Network Infrastructures
- **Factories of the Future (FoF)** cPPPs (H2020)
- **Energy-efficient Buildings (EeB)**
- **Sustainable Process industry (SPIRE)**

PPP Programs



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- **Factories of the Future (FoF)**
- FoF 8 - 2015 - ICT-enabled modelling, simulation, analytics and forecasting technologies
- FoF 9 - 2015 - ICT Innovation for Manufacturing SMEs

Technology Platforms in Europe

Get involved
In stakeholder
organisations

Bio-based economy	Energy	Environment	ICT	Production and processes	Transport
EATIP	Biofuels	WssTP	ARTEMIS	ECTP	ACARE
ETPGAH	EU PV TP		EUROP	ESTEP	ERRAC
Food for Life	TPWind		ETP4HPC	EuMaT	ERTRAC
Forest-based	RHC		ENIAC	FTC	Logistics
Plants	SmartGrids		EPoSS	SusChem	Waterborne
FABRE TP	SNETP		ISI	Nanomedicine	
TP Organics	ZEP		Net!Works	ETP-SMR	
			NEM	Manufuture	
			NESSI		
			Photonics 21		
Cross ETP Initiatives					
Nanofutures					
Industrial Safety					

For more details: http://cordis.europa.eu/technology-platforms/individual_en.html

Societal challenges

HORIZON 2020

Excellent Science	Competitive Industries	Societal Challenges
European Research Council (ERC)	Leadership in Enabling and Industrial Technologies	Health, Demographic Change and Wellbeing
Future Emerging Technologies (FET)	Access to Risk Finance	Food Security, Sustainable Agriculture, etc.
Marie Skłodowska Curie Actions (MSCA)	Innovation in SMEs	Secure, Clean and Efficient Energy
European Research Infrastructures		Smart, Green and Integrated Transport
		Climate Action, Resource Efficiency and Raw Materials
		Inclusive, Innovative and Reflective Societies
		Secure Societies

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ICT focus

2015 call



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SC3: Secure, clean and efficient energy (3)

SC4: Smart, green and integrated transport (2)

SC5: Climate action, environment, resource efficiency and raw materials (1)

SC6: Inclusive, innovative and reflective societies (4)

SC7: Secure societies (4)

ICT focus – Societal Challenges

2015 call topics

- **SC3: Secure, clean and efficient energy**
- [EE 11 – 2014/2015- New ICT-based solutions for energy efficiency](#)
- [SCC 1 – 2014/2015: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse \(large scale demonstration - first of the kind\) projects](#)
- [SCC 3 – 2015 : Development of system standards for smart cities and communities solutions](#)
- **SC4: Smart, green and integrated transport**
- [MG.3.6-2015. Safe and connected automation in road transport](#)
- [GV.8-2015. Electric vehicles' enhanced performance and integration into the transport system and the grid](#)

ICT focus – Societal Challenges

2015 call topics

- **SC5: Climate action, environment, resource efficiency and raw materials**
- [WATER-1-2014/2015: Bridging the gap: from innovative water solutions to market replication](#)
- **SC6: Inclusive, innovative and reflective societies**
- [EURO-6-2015: Meeting new societal needs by using emerging technologies in the public sector](#)
- [INSO-1-2014/2015: ICT-enabled open government](#)
- [INSO-9-2015: Innovative mobile e-government applications by SMEs](#)
- [REFLECTIVE-6-2015: Innovation ecosystems of digital cultural assets](#)

ICT focus – Societal Challenges

2015 call topics

- **SC7: Secure societies**
- [DS-3-2015: The role of ICT in Critical Infrastructure Protection](#)
- [DS-4-2015: Information driven Cyber Security Management](#)
- [DS-5-2015: Trust eServices](#)
- [DS-7-2015: Value-sensitive technological innovation in Cybersecurity](#)
- **Other**
- [ICT 34 – 2015: Support for access to finance](#)

Health



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Horizon 2020 - Societal Challenge 1



- **Translating science to benefit citizens**
- **Improve health outcomes**
- **Support a competitive health & care sector**
- **Test and demonstrate new health & care models, approaches and tools**
- **Promote healthy and active ageing**

Open Health Topics (the last topics after 3 deadlines passed already)

Effective health promotion, disease prevention, preparedness and screening

From "omics" ... to prevention

- **Vaccine development for HIV/AIDS (2015) (€15–25 m)**

Innovative treatments and technologies

Finding the cure ... and evaluating existing treatments

- **Clinical research on regenerative medicine
(2015; € 4–6 m)** (overcome the gap from basic knowledge into the clinic.
Focus on regenerative medicines therapies which are ready for clinical in patient research.
Research on safety, repeatability and efficacy of new treatments needed. SME!)

Advancing active and healthy ageing

Adding more life to our years

- **Early risk detection and intervention with ICT (2015; € 3-4 m)** (ICT based solutions which support active and healthy ageing by enabling early detection and minimisation of risks associated with ageing, incl cognitive impairment, frailty, depression and falls)

**Integrated, sustainable,
citizen-centred care**

The citizen in the centre

- **ICT systems & services for integrated care (2015; € 3–5 m)** (re-design health and care systems to develop integrated care models that are more closely oriented to the needs of older patients. Address chronic diseases and co-morbidities)
- **Self-management of health and disease & decision support systems based on predictive computer modelling used by the patient (€ 3–5 m)** (predictive systems based on computer modelling and develop decisions support systems that will be used by the individual. improve the participation of the patient in the care process)

**Improving health information,
data exploitation and providing an
evidence base for health policies
and regulation**

Big Data for research

- **Digital representation of health data to improve diagnosis and treatment (2015; € 3–5 m)** (new decision support systems based on a complex integration of heterogeneous data sources and subject specific computer models. The use of DSS by healthcare professionals for personalised prediction and decisions in prevention, diagnosis and treatment)
- **New approaches to improve predictive human safety testing (2015; € 10–15 m)** (understand complex biological pathways of toxicological relevance and identify early markers predictive of toxicological effects in humans. More effective, faster, cheaper toxicological testing. Reduction of lab animals in safety testing)

Where do you go from here

- Have a look at **current consortia looking for partners** (www.swisseen.ch)
- Go through the **relevant parts of the programme**, to check if you find a call that could suit you
- If you have a **project idea** – contact us and we could publish a **partner search**, to disseminate through Euresearch mailing list

Recent / upcoming Research & Innovation events

ICT Proposer's Day and brokerage Florence 9-10 Oct '14 <http://ec.europa.eu/ictproposersday>

<https://ec.europa.eu/digital-agenda/events/cf/ictpd14/topics.cfm>

ICT Applicant's Training Bern 29 Jan 2015 www.euresearch.ch

CeBIT Brokerage Event Hannover Mar 2015 www.euresearch.ch