Horizon 2020
&
Opportunities in ICT

- Horizon 2020

- International Cooperation Opportunities

- ICT across H2020

- How to find suitable calls?

- National contact point services

- Participation conditions

- Proposal submission

- Evaluation

- **A single programme** bringing together three separate programmes/initiatives*

- **Coupling research to innovation** – from research to retail,
  all forms of innovation

- **Focus on societal challenges** facing EU society, e.g. health,
  clean energy and transport

- **Simplified access,** for all companies, universities,
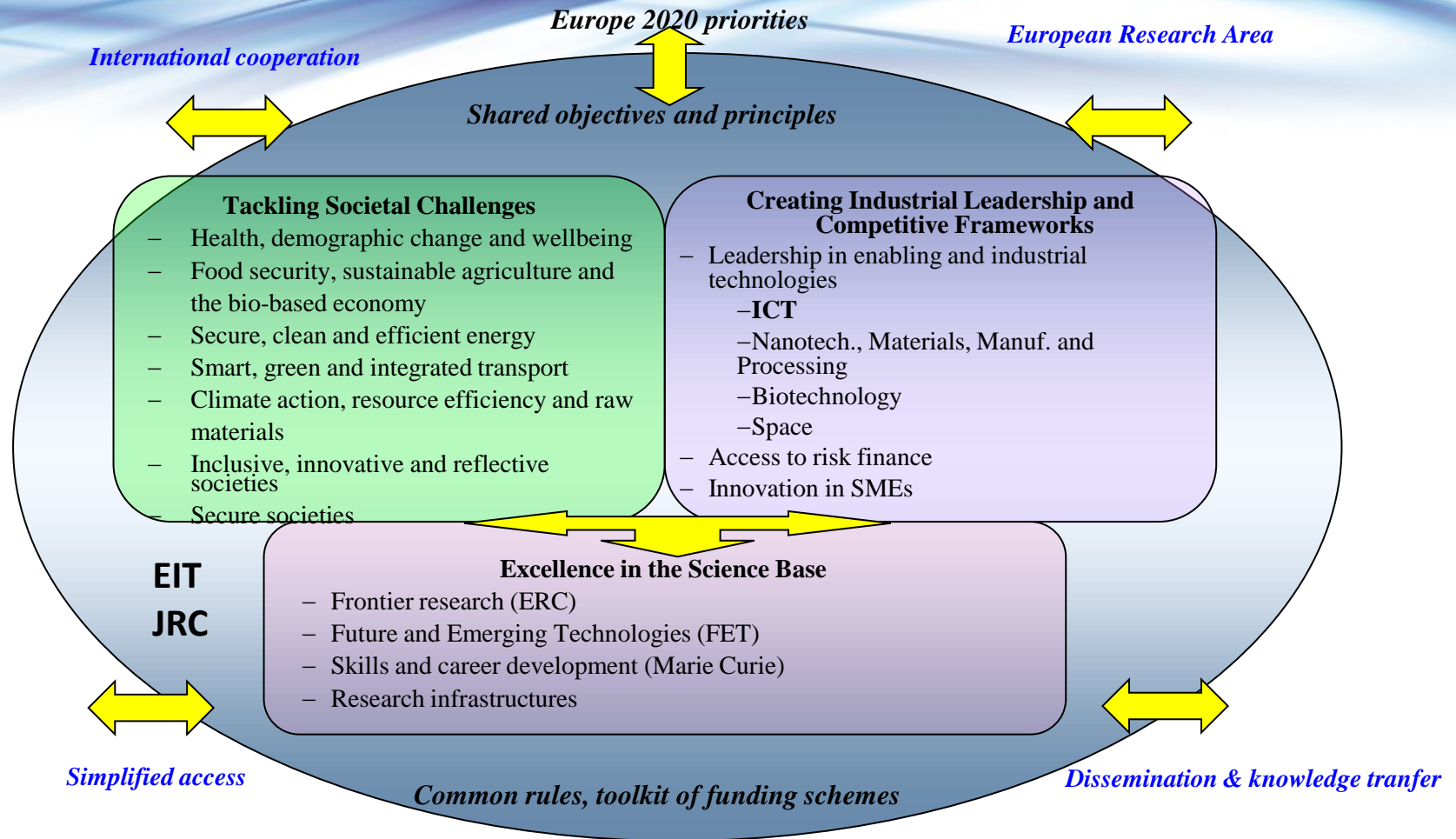 institutes in all EU countries and beyond

  * The 7th Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)

3 Pillars in H2020

- Excellent science
- Industrial leadership
- Societal challenges

HORIZON 2020
THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

Europe 2020 priorities

International cooperation

European Research Area

Shared objectives and principles

Tackling Societal Challenges
- Health, demographic change and wellbeing
- Food security, sustainable agriculture and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure societies

Creating Industrial Leadership and Competitive Frameworks
- Leadership in enabling and industrial technologies
  - **ICT**
  - Nanotech., Materials, Manuf. and Processing
  - Biotechnology
  - Space
- Access to risk finance
- Innovation in SMEs

EIT
JRC

Excellence in the Science Base
- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

Simplified access

Common rules, toolkit of funding schemes

Dissemination & knowledge tranfer

Key messages:

- Horizon 2020 is open to participation from across the world!

- Clear ambition to substantially increase participation of international partners!

A new strategy for international cooperation in R&I

- Communication adopted on 14 September 2012
- Key novelties
  - General opening of Horizon 2020, but with more restricted approach to automatic funding
  - Targeted activities with scale and scope to achieve impact
  - Multi-annual roadmaps for key partner countries/regions
  - Stronger partnership with Member States
  - Common principles
  - Stronger role for Union in international organisations and multilateral fora
  - Strengthen implementation, governance, monitoring and evaluation

International Cooperation

✓ International cooperation will be a cross-cutting issue in H2020;

- Strengthen the Union's excellence/competitiveness (growth and jobs)

- Tackle global societal challenges

- Support the Union's external policies

- Clear benefits of encouraging international participation: access to knowledge, open up markets, attract talent, science diplomacy etc.

- Basic approach provided by Horizon 2020 Regulation and Rules for Participation

- Strategy for international cooperation (COM(2012) 497): enhancing and focusing international cooperation activities (in terms of areas and partners)

✓The approach will be similar to FP7 practice, includes:

- a general opening of the programme,

- targeted international cooperation actions acros Horizon 2020

- horizontal actions on international cooperation, and coordinated calls; (Challenge 6: follow-up to Capacities INCO programme)

- ✓ Collaborative actions with specific third countries or their groups will be implemented on the basis of common interest and mutual benefit;

- ✓ Reciprocal access to third country programmes will be encouraged;

- ✓ Participants from certain middle income countries (BRIC and Mexico) will no longer be eligible for automatic EC funding.

Dual approach

Openness:

- Horizon 2020 open to participation from across the world
- Automatic funding:
    - Member States
    - Associated Countries
    - Restricted list of countries whose entities are eligible for automatic funding from Union budget – **including Ukraine**
        http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-3cpart_en.pdf

Targeted actions:

- Identifying areas for international cooperation on the basis of the Union's policy agenda
- Flexible differentiation by countries/regions to provide further focus

- ➢ multi-annual roadmaps for cooperation with key partners

Different type of countries

- **Enlargement and neighbourhood countries, and EFTA**
  - Focus on alignment with the ERA
  - Support enlargement and neighbourhood policies (support to developing a common 'Knowledge and Innovation Space')

- **Industrialised countries and emerging economies**
  - Focus on competitiveness
  - Tackle global challenges
  - Business opportunities and access to new markets

- **Developing countries**
  - Support development policy by building partnerships contributing to sustainable development
  - Address relevant challenges (e.g. poverty-related diseases, energy and food security, biodiversity)

- **Policy instruments**
  - o more strategic use of S&T agreements with key third countries
  - o strategic partnerships (e.g. Ukraine)
  - o increased synergies across the Commission, more visibility for STI in general cooperation frameworks

- **Funding instruments**
  - o collaborative projects (third country participation required and/or taken into account in evaluation)
  - o networking between projects
  - o joint initiatives of Union and third countries: coordinated calls ; joint calls ; contribution of Union to third country/international organisations ; specific initiatives e.g. ERA-NETs, Article 185…

Where in Horizon 2020 ?

Excellent science

- ERC open to researchers from all over the world - research to be carried out mostly in Member States or Associated Countries
- Marie Skłodowska-Curie Fellowships : strong international dimension
- Development of global research infrastructures

Targeted activities in societal challenges and industrial leadership

- Projects with required or preferential 3rd country participation
- Joint calls, delegated management, ERA-NET, Art 185

Dedicated cross-cutting actions – Inclusive, Innovative and Secure Societies challenge

- Support for to policy dialogue
- Networking and twinning activities
- Coordination of EU and MS/AC international cooperation policies
- Strengthening of European presence in international partner countries

- Horizon 2020 :
  - http://ec.europa.eu/research/horizon2020/index_en.cfm

- Communication on international cooperation:

  http://ec.europa.eu/research/iscp/pdf/com_2012_497_communication_from_commission_to_inst_en.pdf
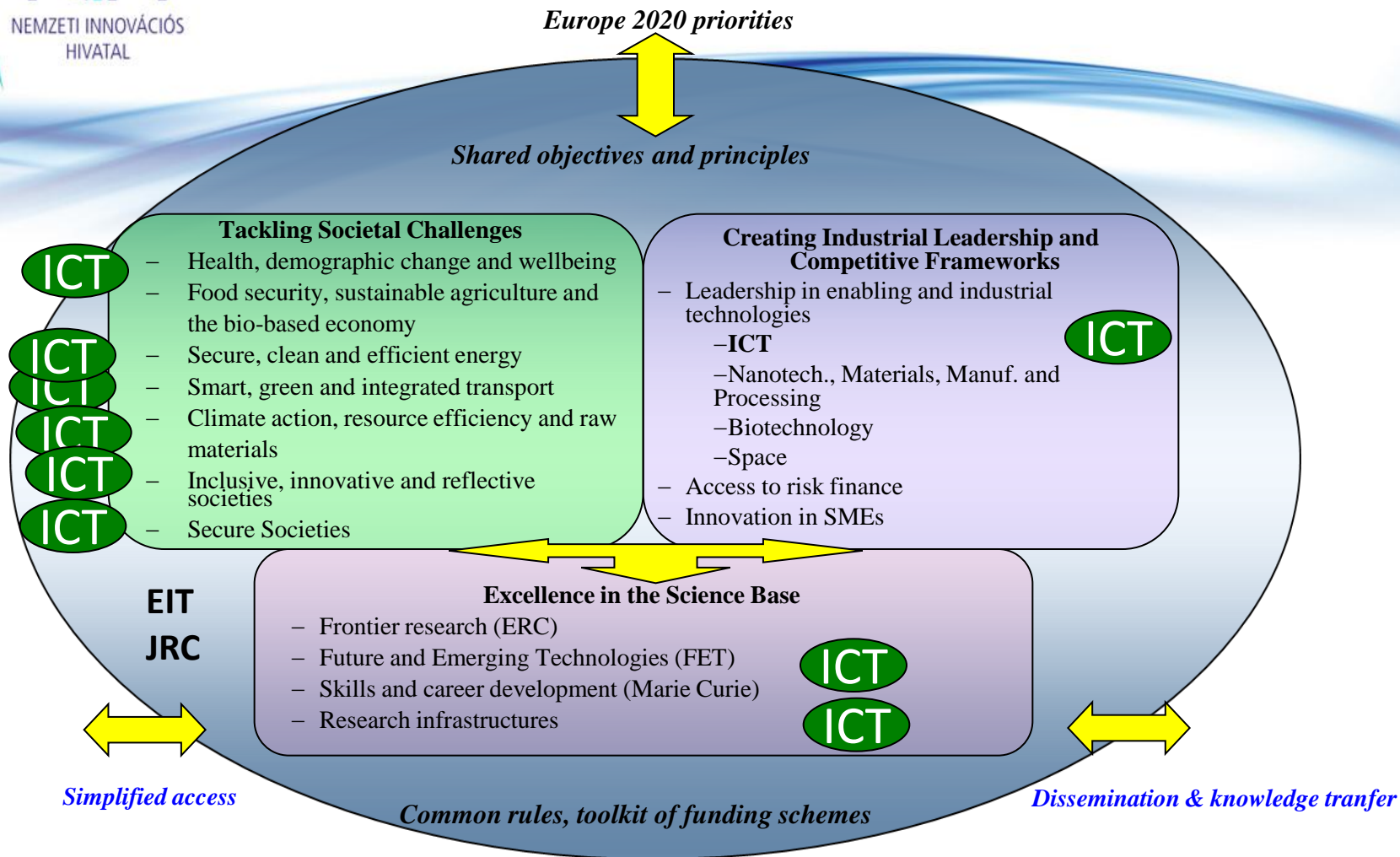
- International Cooperation:
  - http://ec.europa.eu/research/iscp/index.cfm?lg=en

ICT in H2020

ICT in the 3 Pillars
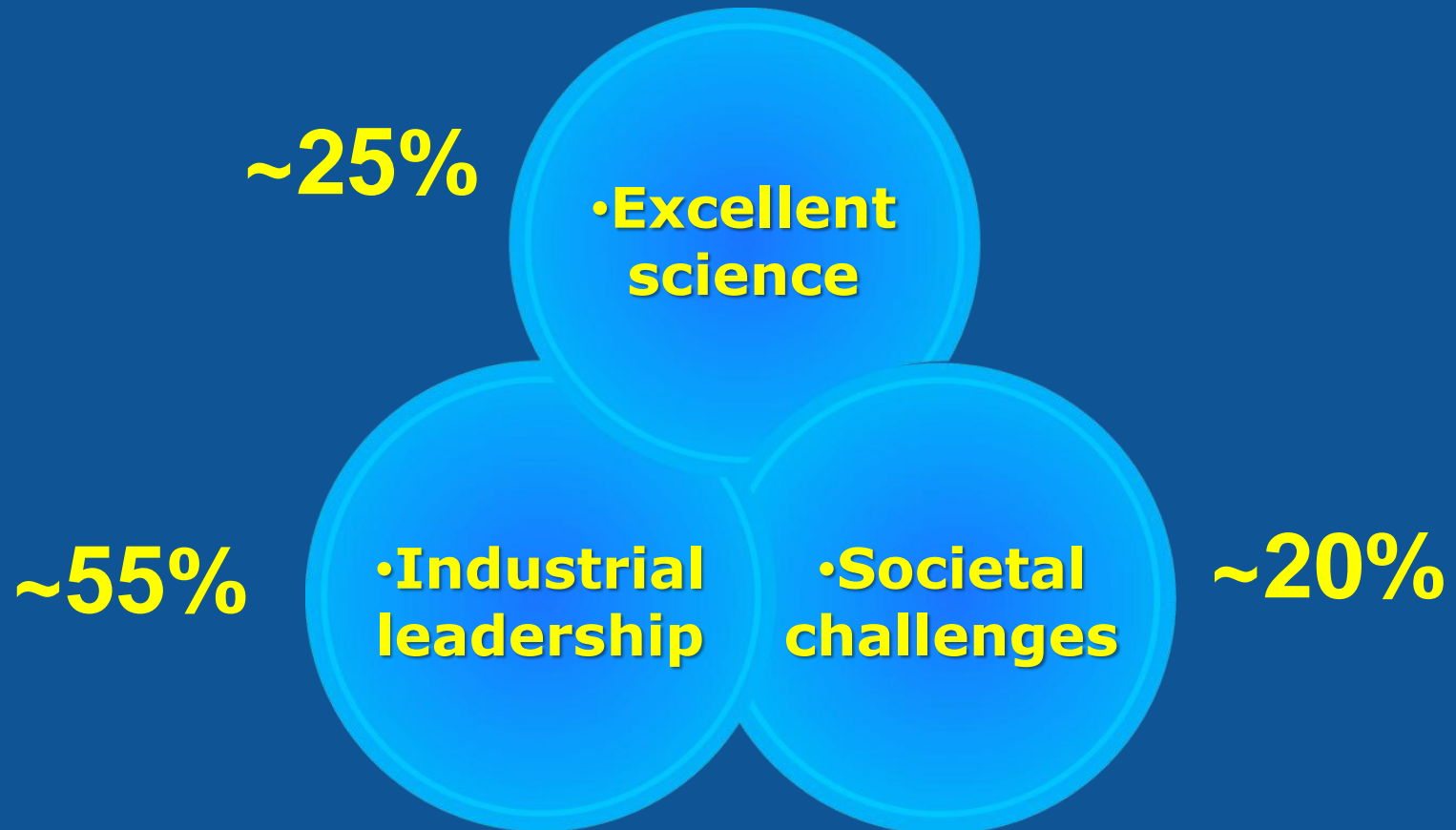
Simplification?

Europe 2020 priorities

Shared objectives and principles

Tackling Societal Challenges
- Health, demographic change and wellbeing
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- Secure, clean and efficient energy
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- Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure Societies

Creating Industrial Leadership and Competitive Frameworks
- Leadership in enabling and industrial technologies
  - **ICT**
  - Nanotech., Materials, Manuf. and Processing
  - Biotechnology
  - Space
- Access to risk finance
- Innovation in SMEs

EIT JRC

Excellence in the Science Base
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- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

ICT

Simplified access

Common rules, toolkit of funding schemes

Dissemination & knowledge tranfer

ICT in H2020 (€ 13 576)

Europe 2020 priorities

European Research Area

International cooperation

Shared objectives and principles

€1120 m

ICT

Tackling Societal Challenges
– Health, demographic change and wellbeing
– Food security, sustainable agriculture and the bio-based economy
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Creating Industrial Leadership and Competitive Frameworks
– Leadership in enabling and industrial technologies
  – **ICT**
  – Nanotech., Materials, Manuf. and Processing
  – Biotechnology
  – Space
– Access to risk finance
– **Innovation in SMEs**

€300 m
€380 m

ICT
ICT

€110 m

ICT

€325 m

ICT

€425 m

ICT

ICT **€7,36 bn**

ECSEL: 1,2 bn

€2 660

EIT
JRC

Excellence in the Science Base
– Frontier research (ERC)
– Future and Emerging Technologies (FET)
– Skills and career development (Marie Curie)
– Research infrastructures

ICT **€2,696 bn**

ICT **€0,86 bn**

Dissemination & knowledge tranfer

Simplified access

Common rules, toolkit of funding schemes

€3 556

NIH
NEMZETI INNOVÁCIÓS HIVATAL

A guide to ICT-related activities in WP2014-15

Guide to the presence of ICT in H2020

Find out more:

http://ec.europa.eu/programmes/horizon2020/

A guide to ICT-related activities in WP2014-15:

http://ec.europa.eu/information_society/newsroom/cf/dae/document.cfm?doc_id=3511

H2020 launched first calls:

http://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-launched-%E2%82%AC15-billion-over-first-two-years

H2020 Calls published, see here:

https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/master_calls.html#h2020-fof-2014-2015

The Participant Portal:

https://ec.europa.eu/research/participants/portal/desktop/en/home.html

Call planning overview, LEIT

- **H2020-ICT-2014 (ICT Call 1)**
  - Publication date: 11 December 2013
  - Deadline: **23 April 2014** (all topics except 5G Future Internet)
  - Deadline for 5G Future Internet: **25 November 2014**

- **H2020-FoF-2014/2015 (Factory of the Future)**
  - Publication date: 11 December 2013
  - Deadlines: **13 March 2014** and **9 December 2014**

- H2020-EUJ-2014 (EU-Japan Call)
  - Publication date: 7 January 2014
  - Deadline: 10 April 2014

- **H2020-ICT-2015 (ICT Call 2)**
  - Publication date: 15 October 2014
  - Deadline: **14 April 2015**

- **H2020-EUB-2015 (EU-Brazil Call)**
  - Publication date: 15 October 2014
  - Deadline: **21 April 2015**

ICT in Industrial Leadership - 100%

Budget distribution in 2014-15

1. Components and systems -12%

2. Advanced Computing - 3%

3. Future Internet-21%

4. Content technologies and information management -14%

5. Robotics - 8%

6. Key Enabling Technologies: Micro-nano-electronics and photonics - 21%

+ Factory of the Future cPPP – 6%

+ International Cooperation actions (EU-Brazil, EU-Japan) – 1%

ICT Cross cutting activities: -5%

- Internet of Things

- Human-centric Digital Age

- Cybersecurity

- Support to NCPs

ICT Innovation actions – 9%

- Access to finance

- Innovation policy support

- Open disruptive innovation scheme (SME instrument) -5%

- **ICT in 'Leadership in Enabling and Industrial Technologies'**
- **Advanced Computing**
    - ICT 4 – 2015:   Customised and low power computing
- **Future Internet**
    - ICT 8 – 2015:   Boosting public sector productivity and innovation through cloud computing   services
    - ICT 10 – 2015:   Collective Awareness Platforms for Sustainability and Social Innovation
    - ICT 12 – 2015:   More experimentation for the Future Internet
- **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 in 2nd Pillar-LEIT-ICT   2015

- **ICT in 'Leadership in Enabling and Industrial Technologies'**
- **Robotics**
    - ICT 24 – 2015:   Robotics
- **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
- **ICT Cross-Cutting Activities**
    - ICT 30 – 2015:   Internet of Things and Platforms for Connected Smart Objects
- **Horizontal ICT Innovation actions**
    - ICT 34 – 2015:   Support for access to finance
    - ICT 36 – 2015:   Pre-commercial procurement open to all areas of public interest requiring new ICT solutions
    - ICT 37 - 2014-15:   Open Disruptive Innovation Scheme (implemented through the SME instrument)

- **FoF 1 – 2014: Process optimisation of manufacturing assets**
- FoF 2 – 2014: Manufacturing processes for complex structures and geometries with efficient use of material
- FoF 3 – 2014: Global energy and other resources efficiency in manufacturing enterprises
- FoF 4 – 2014: Developing smart factories that are attractive to workers
- FoF 5 – 2014: Innovative product-service design using manufacturing intelligence
- FoF 6 – 2014: Symbiotic human-robot collaborations for safe and dynamic multimodal manufacturing systems
- FoF 7 – 2014: Support for the enhancement of the impact of FoF PPP projects
- **FoF 8 – 2015: ICT-enabled modelling, simulation, analytics and forecasting technologies**
- **FoF 9 – 2015: ICT Innovation for Manufacturing SMEs (I4MS)**
- FoF 10 – 2015: Manufacturing of custom made parts for personalised products
- FoF 11 – 2015: Flexible production systems based on integrated tools for rapid reconfiguration of machinery and robots
- FoF 12 – 2015: Industrial technologies for advanced joining and assembly processes of multi-materials
- FoF 13 – 2015: Re-use and re-manufacturing technologies and equipment for sustainable product life cycle management
- FoF 14 – 2015: Integrated design and management of production machinery and processes

ICT - NMP

ICT in Excellent science

ICT in 1st Pillar: FET

Future and Emerging Technologies (FET)

- **FET Open: fostering novel ideas**   30/09/2014, 31/03/2015, 29/09/2015

- **FET Proactive: nurturing emerging themes and communities**
  - **FETHPC 1 - 2014: HPC Core Technologies, Programming Environments and Algorithms for Extreme Parallelism and Extreme Data Applications**
  - **FETHPC 2 - 2014: HPC Ecosystem Development**   25/11/2014

- **FET Flagships: pursuing grand interdisciplinary science and technology challenges**
  Two flagship initiatives will be further developed and supported:
  - the Graphene flagship,
  - the Human Brain Project (HBP).

FET – 3 complementary funding schemes

Open, light and agile ⟷ **Roadmap based research**

FET-Open

Early Ideas

Uncorrelated Research projects

Exploring novel ideas

FET Proactive

Exploration and Incubation

Topical clusters of research projects
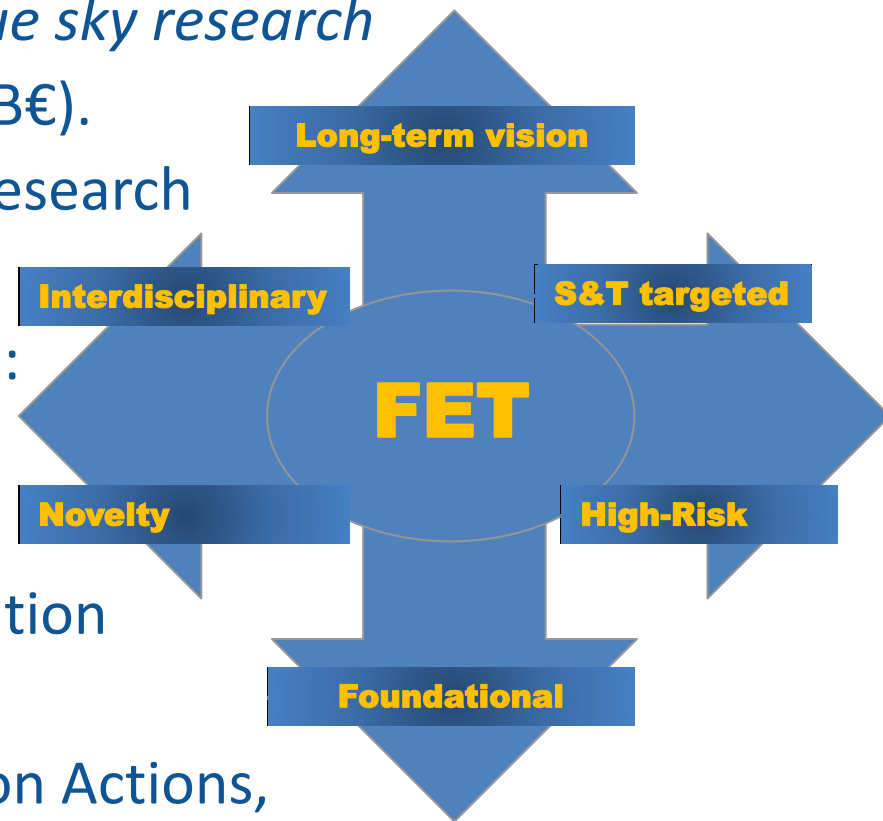
Developing topics & communities

FET Flagships

Large-Scale Partnering Initiatives

Common research agendas

Addressing grand challenges

- Collaborative research
- 'Open is open': all technologies, no topical scope.
  - ➤ *Bottom-up, but targeted - not blue sky research*
- 40% of the FET budget in H2020 (>1B€).
- FET gatekeepers define the kind of research that FET is looking for.
- An end-to-end light and fast scheme:
  - Deadline free, open 24/7
  - 15 page proposals
  - 1 step submission, 1 stage evaluation
  - 3 evaluation criteria
- Instruments: Research and Innovation Actions, Coordination and Support actions

Long-term vision

Interdisciplinary

S&T targeted

FET

Novelty

High-Risk

Foundational

www.graphene-flagship.eu

GRAPHENE FLAGSHIP

European Commission

Graphene, is a 2D material , a single layer of carbon atoms, stronger than diamond, yet lightweight and flexible *and an exceptional electricity conductor.*

The Graphene Flagship will bring graphene, and related 2D materials, ***from academic labs to industry, manufacturing and society.***

Examples of products:
- ✓ **electronic paper**
- ✓ **bendable smartphones**
- ✓ **enhanced solar cells and batteries**
- ✓ **lighter and more energy efficient airplanes**

On the longer term, graphene is expected to give rise to new computers and revolutionary medical applications such as artificial retinas.
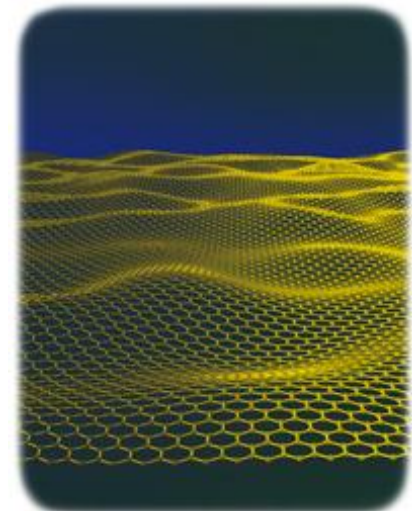
Artistic impression of a corrugated graphene sheet Credit: Jannik Meyer

Nokia Morph concept - Credit: Nokia Research Center

HBP will create the wold's largest experimental facility for developing the most detailed models of the brain (from genes to mind), for studying how the human brain works and ultimately for simulating and developing personalised treatment of brain diseases.

*This research lays the scientific and **technical foundation for medical progress:** identifying new drug targets and treatment, in response to the urgent need to combat brain diseases and their associated costs to society.*

*HBP will also produce brain-inspired **'neuromorphic' computing** systems that could drastically reduce power-consumption for super-computers and enhance robots.*
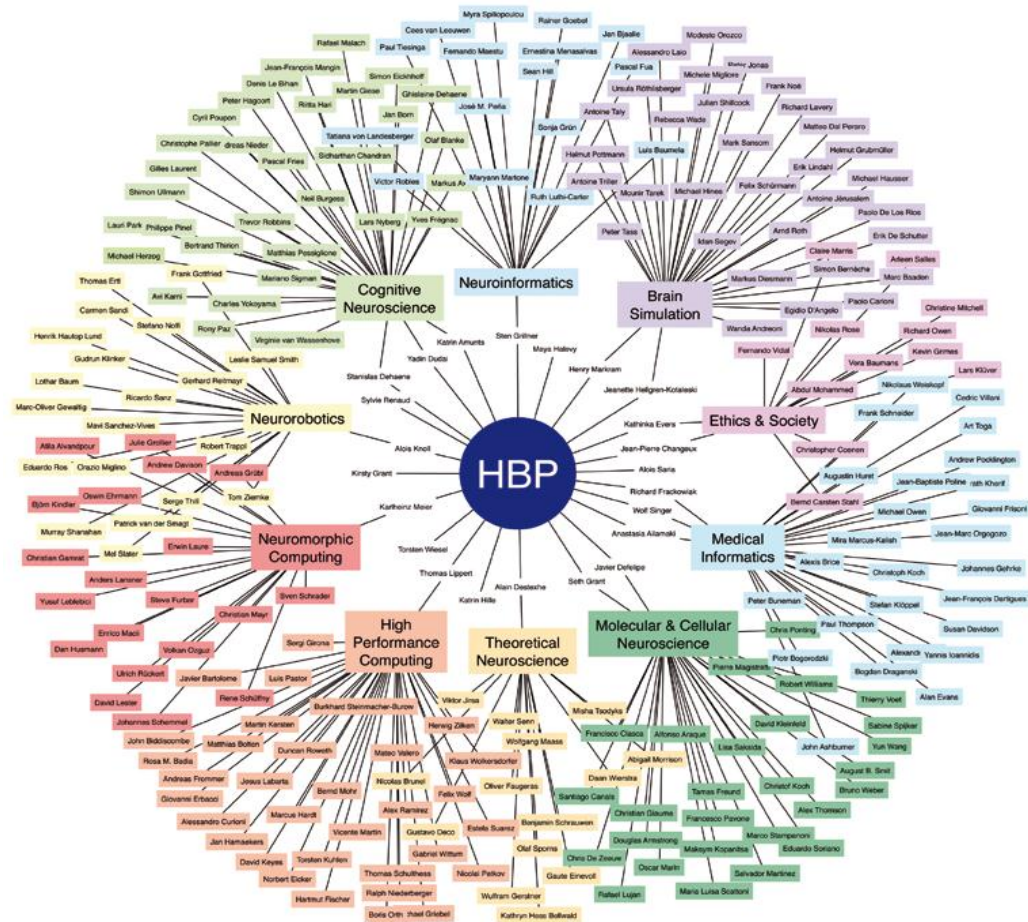
ICT in 1st Pillar: eInfrastructure

Research Infrastructure :**Development, deployment and operation of ICT-based e-infrastructures**

- ICT e-infrastructures cover the following main priorities:
- development and integration of ICT infrastructure resources and services for research,
- access to and management of research data,
- implementation of the e-infrastructure part of the EU strategy on high-performance computing.

e-infrastructure is covered in a dedicated call (**'e-Infrastructures'** (EINFRA)) with the nine following topics:

- **EINFRA 1-2014 – Managing, preserving and computing with big research data**
- EINFRA 2-2014 – e-Infrastructure for Open Access
- **EINFRA 3-2014 – Towards global data e-infrastructures – Research Data Alliance**
- **EINFRA 4-2014 – Pan-European High Performance Computing infrastructure and services**
- **EINFRA 5-2015 – Centres of Excellence for computing applications**
- **EINFRA 6-2014 – Network of HPC Competence Centres for SMEs**
- **EINFRA 7-2014 – Provision of core services across e-infrastructures**
- **EINFRA 8-2015 - Research and Education Networking – GÉANT**
- **EINFRA 9-2015 – e-Infrastructures for virtual research environments (VRE)**

In addition to eInfrastructures, ICT is also covered in the following topic:

- INFRAIA 1-2014/2015: Integrating and opening existing national and regional research infrastructures of pan-European interest

ICT in Societal challenges

•Excellent science

•Industrial leadership

•Societal challenges

- **Advancing active and healthy ageing** topics:
  - PHC 19 – 2014: Advancing active and healthy ageing with ICT: Service robotics within assisted living environments
  - PHC 20 – 2014: Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment
  - PHC 21 – 2015: Advancing active and healthy ageing with ICT: Early risk detection and intervention

ICT in 3rd Pillar-Health2

- **Integrated, sustainable, citizen-centred care** topics:
  - PHC 25 – 2015: Advanced ICT systems and services for Integrated Care
  - PHC 26 – 2014: Self-management of health and disease: citizen engagement and mHealth
  - PHC 27 – 2015: Self-management of health and disease and patient empowerment supported by ICT
  - PHC 28 – 2015: Self-management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself
  - PHC 29 – 2015: Public procurement of innovative eHealth services

- **Improving health information, data exploitation and providing an evidence base for health policies and regulation,** with two out of six topics:
  - PHC 31 – 2015: Digital representation of health data to improve disease diagnosis and treatment
  - PHC 35 – 2014: eHealth interoperability
- In addition to the above, coordination and support actions are foreseen with the two following topics:
  - HCO 1 – 2014: Innovation Partnership: Support for the European Innovation Partnership on Active and Healthy Ageing – EIP-AHA
  - HCO 2 – 2014: Joint Programming: Coordination Action for the Joint Programming Initiative (JPI) "More Years, Better Lives - the Challenges and Opportunities of Demographic Change"

ICT in 3rd Pillar - Energy

SC3 - Secure, clean and efficient energy

ICT are present in the three calls, with a particularly prominent role in the third one (i.e. SCC).

- 'Energy Efficiency' (EE),
- 'Competitive Low-Carbon Energy' (LCE),
- 'Smart Cities and Communities' (SCC).

In the '**Energy Efficiency**' call, ICT appear in the activities focused on **buildings and consumers:** in the following topics:

- EE 8 – 2014: Public procurement of innovative sustainable energy solutions, where the scope includes the support to public authorities in procuring fast-evolving information and communication technologies such as Green Data Centres
- EE 11 2014, 2015- New ICT-based solutions for energy efficiency.

In the '**Competitive Low-Carbon Energy**' call, ICT appears in one topic of the activities grouped under the title '**Modernising the European electricity grid**':

- LCE 7 – 2015: Distribution grid and retail market, where the scope takes into account the contribution of ICT infrastructure to smart grids and smart metering.

The call on '**Smart Cities and Communities**' explicitly addresses solutions combining technologies from the energy, transport and ICT domains to address the issue of sustainable development in urban areas.

- SCC 1 – 2014/2015: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects, which represents by far the main part of this call
- SCC 2 – 2014: Developing a framework for common, transparent data collection and performance measurement to allow comparability and replication between solutions and best-practice identification
- SCC 3 – 2015: Development of system standards for smart cities and communities solutions
- SCC 4 – 2014: Establishing networks of public procurers in local administrations on smart city solutions
- SCC 5 – 2014: Establishing a challenge prize competition: Smart solutions for creating better cities and communities

SC4 - Smart, green and integrated transport. Three calls are planned in 2014-15 for this challenge:

- 'Mobility for Growth' (MG), which actually constitutes the main call,
- 'Green vehicles' (GV),
- 'Small Business and Fast Track Innovation for Transport' (IT).

In the **'Mobility for Growth'** call, ICTs are expected to contribute to four of the nine targeted areas:

- **Road** transport, with two dedicated topics:
  - MG.3.5-2014 Cooperative ITS for safe, congestion-free and sustainable mobility
  - MG.3.6-2015 Safe and connected automation in road transport
- **Urban mobility**, where ICT can play a role in the following topic:
  - MG.5.3-2014 Tackling urban road congestion
- **Logistics**, with the following topic clearly requiring contribution from ICT:
  - MG.6.3-2015 Common communication and navigation platforms for pan-European logistics applications
- **Intelligent Transport Systems**, with the two following topics also clearly requiring contribution from ICT:
  - MG.7.1-2014 Connectivity and information sharing for intelligent mobility
  - MG.7.2-2014 Towards seamless mobility addressing fragmentation in ITS deployment in Europe

In the **'Green Vehicles'** call, ICTs are concerned by the following topic:

- GV.8-2015 Electric vehicles' enhanced performance and integration into the transport system and the grid,

ICT in 3rd Pillar – Environment

SC5 - Climate action, environment, resource efficiency and raw materials, ICT is expected to contribute to the activities foreseen in two calls:

- 'Waste: A Resource to Recycle, Reuse and Recover Raw Materials' (WASTE),
- 'Water Innovation: Boosting its value for Europe' (WATER),

The contribution in **waste management** is in four topics, for which ICT solutions are part of the scope:

- WASTE-1-2014: Moving towards a circular economy through industrial symbiosis
- WASTE-2-2014: A systems approach for the reduction, recycling and reuse of food waste
- WASTE-3-2014: Recycling of raw materials from products and buildings
- WASTE-4-2014/2015: Towards near-zero waste at European and global level

In the area of **water management**, the contribution of ICT is expected in the following topic:

- WATER-1-2014/2015: Bridging the gap: from innovative water solutions to market replication

ICT in 3rd Pillar – Inclusion

SC6 - Europe in a changing world - Innovative, inclusive and reflective societies. ICTs are contributing with specific topics of the third and the fifth of these calls:

- 'Reflective societies: cultural heritage and European identities' (REFLECTIVE),
- 'New forms of innovation' (INSO).

In **'Reflective societies: cultural heritage and European identities'**, two topics deal with the use of ICT for the access to and the exploitation of cultural assets:

- REFLECTIVE 6 – 2015: Innovation ecosystems of digital cultural assets
- REFLECTIVE 7 – 2014: Advanced 3D modelling for accessing and understanding European cultural assets

In **'New forms of innovation'**, three topics address the role of ICT in modernising the public sector:

- INSO 1 - 2015: Innovation in the public sector by using emerging ICT technologies
- INSO 2 – 2014, 2015: ICT-enabled open government
- INSO 9 – 2014, 2015: Innovative mobile e-government applications by SMEs

It is also proposed to have a coordination and support action in the area of ICT for learning and inclusion:

- INSO 6 - 2014: Platform for ICT for Learning and Inclusion

SC7 - Secure societies – Protecting freedom and security of Europe and its citizens

In this challenge, one out of the four calls is dedicated to ICT: **'Digital Security: Cybersecurity, Privacy and Trust'** (DS). This call comprises the six following topics:

– DS 1 – 2014: Privacy

– DS 2 – 2014: Access Control

– DS 3 - 2014: The role of ICT in Critical Infrastructure Protection

– DS 4 -2015: Secure Information Sharing

– DS 5 – 2015: Trust eServices

– DS 6 – 2015: Risk management and assurance models

Where to find
Call Information?

Call and all necessary documentation are published on the Participant Portal

http://ec.europa.eu/research/participants/portal/page/home

- User friendly Participant Portal
- Easy to find funding opportunities

RESEARCH & INNOVATION

European
Commission

Participant Portal

BETA VERSION 4

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About the Participant Portal:

The Participant Portal is your entry point for the electronic administration of EU-funded research and innovation projects. It hosts services for managing proposals and projects throughout their lifecycle.

The Participant Portal supports activities funded mainly by the following EU programmes:

- **7th Framework Programme for Research and Technological Development (FP7)**
- **Competiveness and Innovation Framework Programme (CIP)**

Using the Participant Portal:

As a guest user, browse the public pages to:

- search for funding opportunities
- download guidance and legal documents
- search for the participant identification code (PIC) of an organisation
- contact the FP7 support services and browse the FAQ for guidance on the Participant Portal tools

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HORIZON 2020 CALLS

FUNDING GUIDE

66 results

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Status:
- ◉ Open calls
- ○ Closed calls
- ○ Forthcoming calls

Sort by: ◉ Publication date   ○ Deadline   ○ Title   ○ Call ID

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call for proposals
EXCELLENT SCIENCE
Developing new world-class research infrastructures
H2020-RIDEV-2014/2015
PUB.DATE 2013-12-11 DEADLINE 2014-03-12

call for proposals
INDUSTRIAL LEADERSHIP
Nanotechnologies, Advanced Materials and KET support
H2020-NMK-2014/2015
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call for proposals
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Sustainable Food Security
H2020-SFS-2014/2015
PUB.DATE 2013-12-11 DEADLINE 2014-03-18

call for proposals
SOCIETAL CHALLENGES
Water Innovation: Boosting its value for Europe
H2020-WATER-2014/2015
PUB.DATE 2013-12-11 DEADLINE 2014-03-18

call for proposals
EXCELLENT SCIENCE
Marie Skłodowska-Curie Innovative Training Network
H2020-MSCA-ITN-2014
PUB.DATE 2013-12-11 DEADLINE 2014-04-08

call for proposals
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Mobility for Growth
H2020-MG-2014/2015
PUB.DATE 2013-12-11 DEADLINE 2014-03-18

call for proposals
EXCELLENT SCIENCE
FET Open - fostering novel ideas
H2020-FETOPEN-2014/2015

call for proposals
INDUSTRIAL LEADERSHIP
Biotechnologies
H2020-BIOTEC-2014/2015

call for proposals
SOCIETAL CHALLENGES
Blue Growth: Unlocking the potential of the oceans
H2020-BG-2014/2015

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Email notification ⓘ

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European Commission

Participant Portal

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Horizon 2020

Calls

Search Topics

Call Updates

FP7 & CIP Programmes

Calls

Call Updates

COSME

Other Funding Opportunities

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21 Results

Keyword Search: `robotics`   SEARCH

If you don't find your topic, you can also use the **free text search.**

Status		Sort by	
	● Open		● Title
	○ Closed		○ Call Id
	○ Forthcoming		○ Publication Date
			○ Deadline Date

In addition, **see all the open calls** of Marie Skłodowska-Curie actions (MSCA) and European Research Council (ERC) grants for individual researchers of any nationality and research teams. The MSCA grants include opportunities for companies and SMEs. **The MCSA and ERC grants are not restricted to specific topics.**

Quick finder for topics linked to H2020 cross-cutting priorities:

Cross-cutting Key Enabling Technologies (KETs)
ERA-NET
Gender
Contractual Public-Private Partnerships (cPPPs)

International cooperation
SME Instrument
Socio-economic sciences and humanities

Topic: **Advancing active and healthy ageing with ICT: service robotics within assisted living environments:PHC-19-2014**
Specific challenge: Citizens in an ageing European population are at greater risk of cognitive

Call title:	Personalising health and care	Status:	**Open**
Call identifier:	H2020-PHC-2014-single-stage	Deadline:	15-04-2014

Call Information

- Legal basis - Framework Programme H2020 en
- Legal basis - Rules for Participation en
- Legal basis - Specific Programme H2020 en
- WP H2020 - 1. Introduction en
- WP H2020 - 5. Introduction to Leadership in enabling and industrial technologies (LEITs) en
- WP H2020 - 5i. Information and communication technologies (ICT) en
- WP H2020 - 17. Communication and Dissemination en
- WP H2020 - 18. General Annexes en
- A guide to ICT-related activities in WP2014-15 en

Description of the topics

- 3 key features in Work Programme

  - ***Specific Challenge*** – sets the context, the problem to be addressed, why intervention is necessary

  - ***Scope*** – delineates the problem, specifies the focus and the boundaries of the potential action BUT without overly describing specific approached

  - ***Expected Impact*** – describes the key elements of what is expected to be achieved

- Simplified types of action (instruments): Research & Innovation 100%; Innovation 70%; Coordination and Support Action etc.

- Size of projects is indicated

H2020-ICT-2015

Publication date: 15 October 2014[44]

Deadline(s): at 17.00.00 Brussels time on the following dates

For all topics	[14 April 2015][45]

Overall indicative budget: EUR 583 million from the 2015 budget[46]

All single stage		2015 EUR million
Customised and low power computing	ICT4.a	37
	ICT4.b	17
	ICT4.c	3
Boosting public sector productivity and innovation through cloud computing services	ICT8.a	9
	ICT8.b	13
Collective Awareness Platforms for Sustainability and Social Innovation	ICT10.a	25
	ICT10.b	4
	ICT10.c	7
	ICT10.d	1
More experimentation for the Future Internet	ICT12.a	13
	ICT12.b	5
Big Data - research	ICT16.a	38
	ICT16.b	1
Technologies for creative industries, social media and convergence	ICT19.a	18
	ICT19.b	21
	ICT19.c	2
Technologies for better human learning and teaching	ICT20.a	9
	ICT20.b	5
	ICT20.c	28
	ICT20.d	10

- Future Internet PPP

- ECHORD ++ - Robotics

- I4MS – Manufacturing

- FET Flagships – Human Brain, Graphene

…

THE network of national contact points for ICT in Horizon 2020

➜ Supports project proposers

➜ From project idea to successful proposal submission
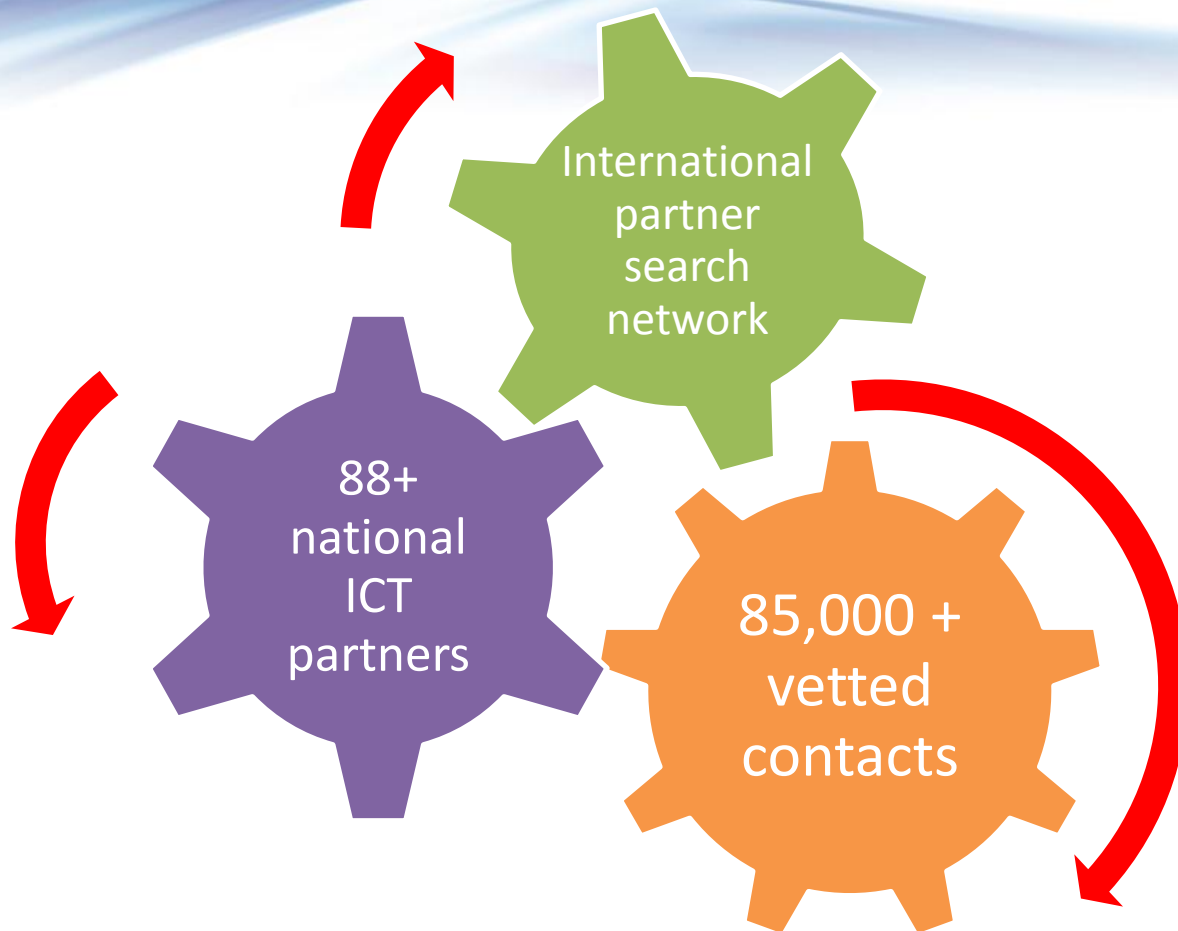
Ideal-ist Network

Ideal-ist Representatives

Albania | Algeria | Argentina | Armenia | Australia | Austria | Azerbaijan | Belarus | Belgium | Bosnia and Herzegovina | Brazil | Bulgaria | Canada | Chile | China | Croatia | Cyprus | Czech Republic | Denmark | Egypt | Estonia | Faroe Islands | Finland | France | Georgia | Germany | Greece | Hungary | Iceland | India | Ireland | Israel | Italy | Jordan | Latvia | Lebanon | Lithuania | Luxembourg | Malta | Mexico | Moldova | Montenegro | Morocco | Netherlands | New Zealand | Norway | Philippines | Poland | Portugal | Romania | Russia | Serbia | Singapore | Slovakia | Slovenia | South Africa | Spain | Sweden | Switzerland | Taiwan | Tunisia | Turkey | Uganda | Ukraine | United Kingdom | Uruguay | Uzbekistan | Quality Manager

is worldwide

Who we are?

International partner search network

88+ national ICT partners

85,000 + vetted contacts

- **Long-standing experience**

- **Unique quality labelled partner search tool**

- **International Quality Te....**

- **High expertise advice** in proposal writing and project management

- **Services:**

  eNewsletter, Work Programme Information, Brokerage events, Training, Pre-Proposal Check event, Toolbox
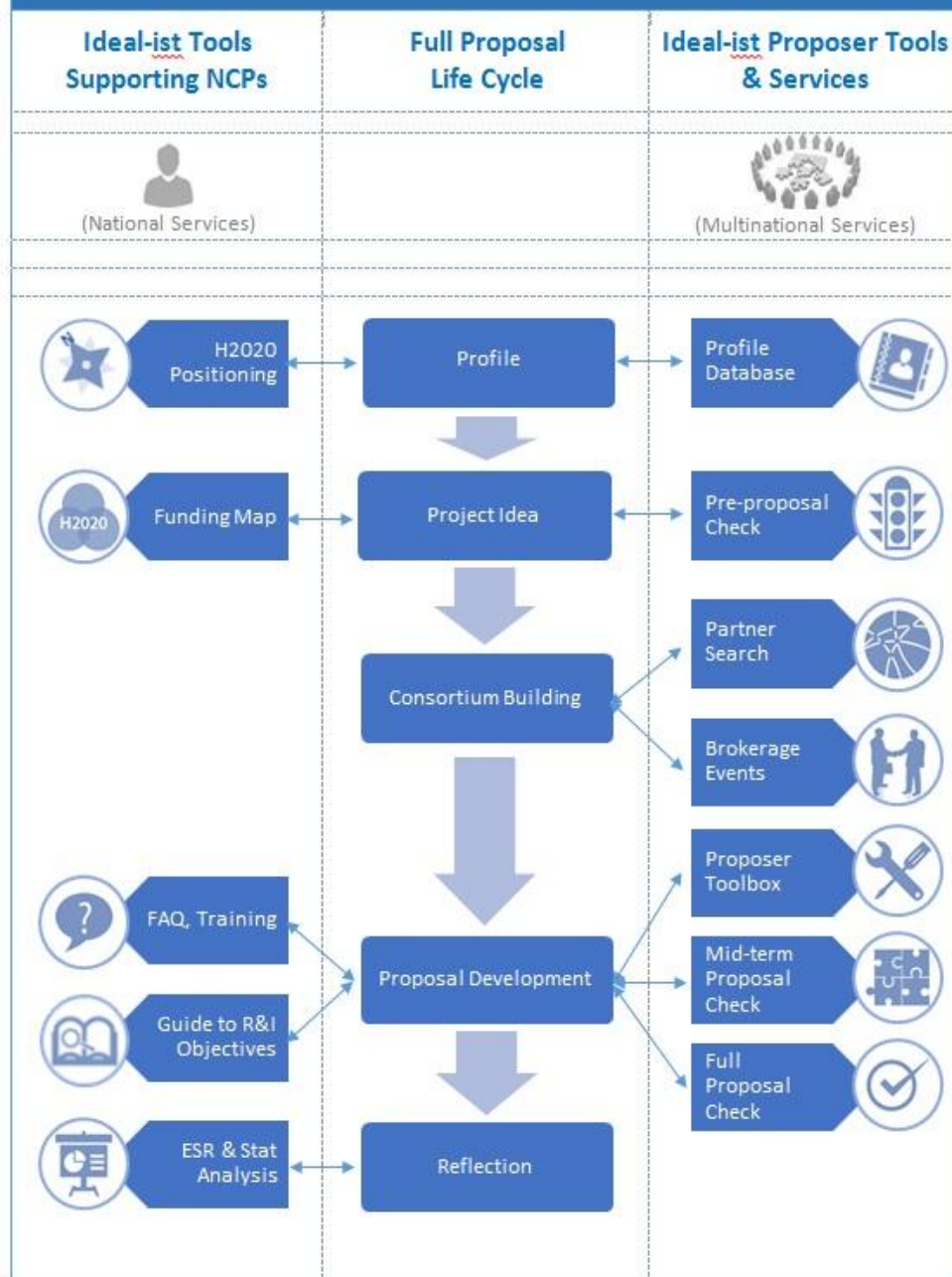
Services for Proposers

PARTNER SEARCH
&
PROPOSAL DEVELOPMENT

How Ideal-ist finds partners for you?

Step1

Proposer inserts a new Partner Search online

Step2

PS is checked by local representative & Quality Team according to subjective & objective criteria: Quality Label

Step6

PS is closed & Proposer fills in feedback form

Step3

PS is published & distributed to subscribers of national mailing list (~85,000 contacts)

Step5

Proposer replies to EoIs (Standard reply form) & chooses partner(s) to build consortium (98% success rate)

Step4

Potential partner send EOIs (Expression of interest) to proposers (on avg. 50 per PS)
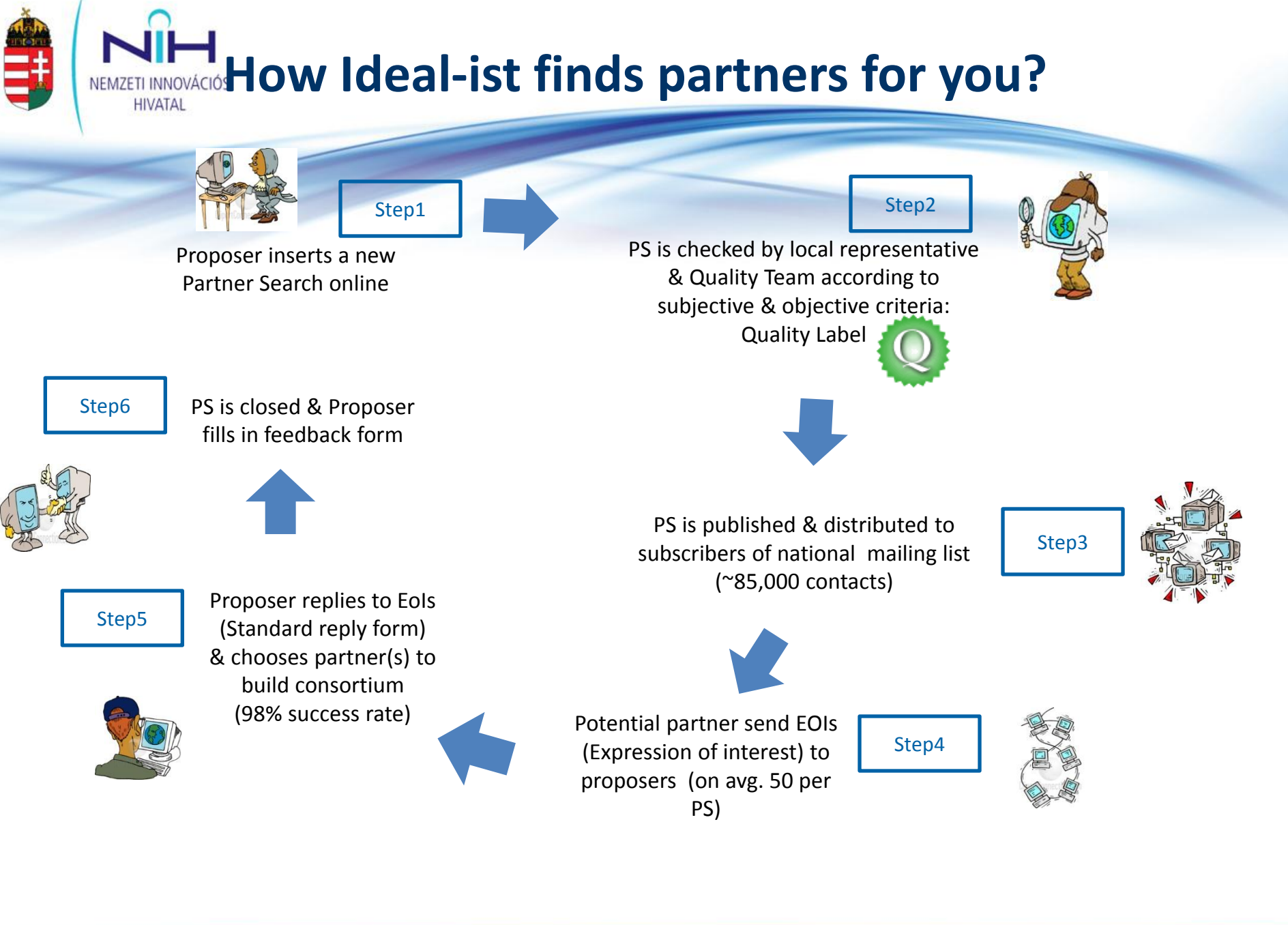
Ideal-ist Success in FP7

Partner searches initiated: 1,100 Partner Searches

Quality Check:
70% of these are **quality labelled**

Partner searches published:
610 Partner searches

Expressions of Interests:
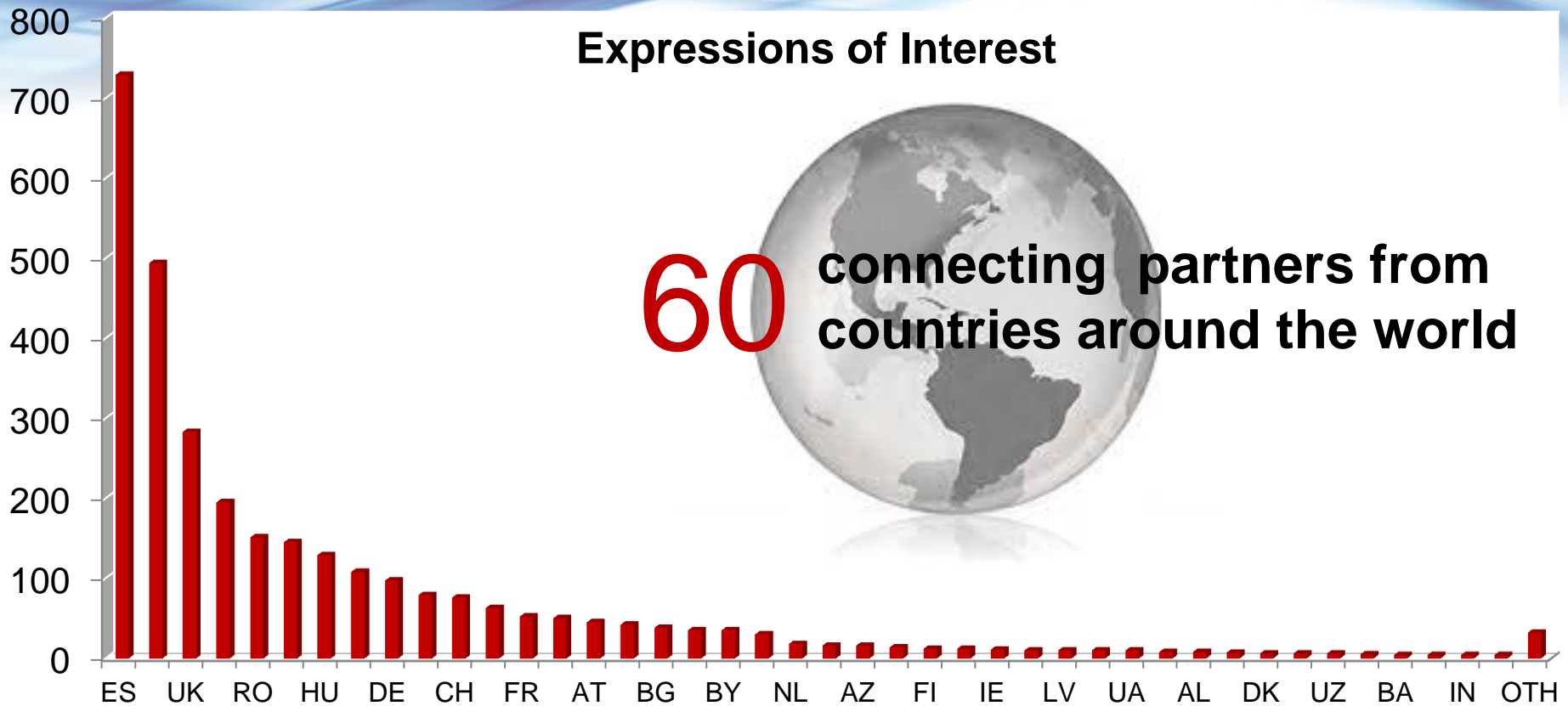**All together 24,880 EoI**
(avg. of 40 EoI/PS)

Accepted as partner
95% of these PS found partners

Expressions of Interest

60 **connecting partners from countries around the world**
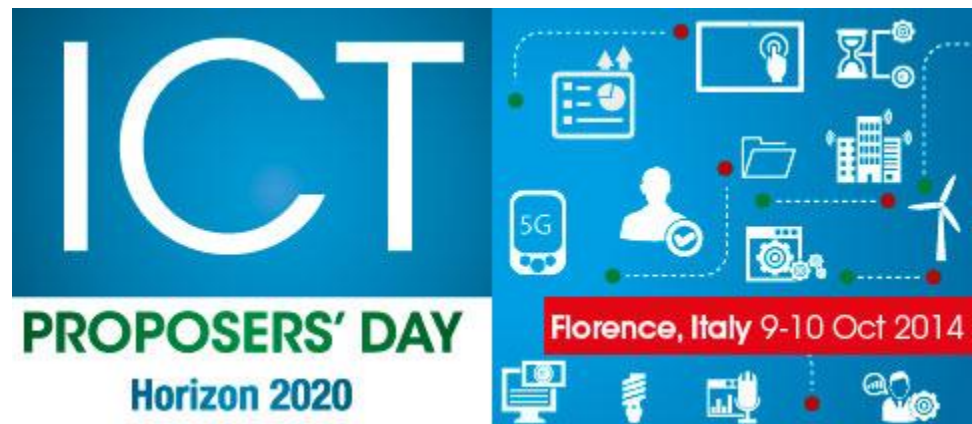
Services for Proposers

BROKERAGE EVENTS
&
TRAINING WORKSHOPS

- ICT Proposers Day

    Florence, Italy

    Oct 9-10, 2014

Will be webstreamed!

Online networking: http://ec.europa.eu/ictproposersday
Brokerage, project ideas:
https://www.b2match.eu/proposersday2014/

Major Brokerage Events

ICT Proposers Day Budapest 2011

- **1,100** meetings
- **350** participants
- **43** countries
- **50** tables
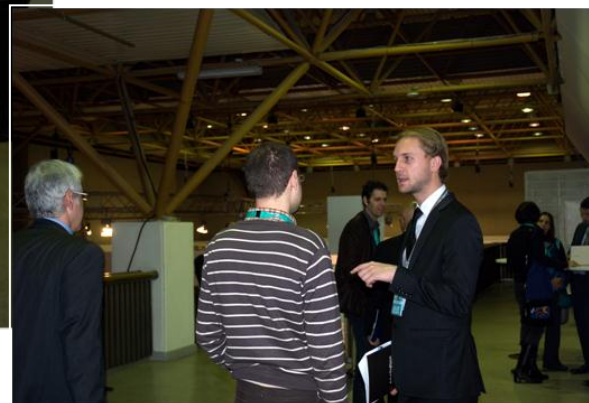
ICT Proposers Day Warsaw 2012

- **1,900** meetings
- **450** participants
- **51** countries
- **50** tables

ICT Event Vilnius 2013

- **2750** meetings
- **650** participants
- **51** countries
- **78** tables

- **Evaluation training**

- **How to write a Proposal**

- **Workshops with Coordinators**

- **Workshop with Evaluators**

Services for Proposers

TOOLBOX

Ideal-ist Toolbox

Designed by Ideal-ist to support proposers during the whole application process from project idea to project completion and future planning

- ✓ **Basic info:** newcomer resources, current calls, financial and legal issues, intellectual property rights, the future - Horizon2020, vocabulary/glossary;

- ✓ **Proposal:** developing the idea, developing and managing the proposal, financial and legal issues, finding partners, evaluation process, tips;

- ✓ **Project:** contract negotiations, deliverables and reporting, financial and legal issues, meetings, wrap up/conclusion, tips.

Basic info	Proposal	Project

Search [_____] 🔍 ❓ Upload an item

Home | About Ideal-ist | Partner Search | Events & News | ICT in FP7 | Press | **Tools and Services** | Representatives

Home » Toolbox » Proposal

This Toolbox has been designed by Ideal-ist to support proposers during the whole application process from project idea to project completion and future planning. Choose a category and a sub category to see a list of available media content

Basic info > **Proposal** > **Project**

Search [   ] 🔍   ❓ **Upload an item**

> Developing the idea

> Developing and managing the proposal

> Financial and legal issues

> Finding partners

> Evaluation process

> Tips

> Launch a new Partner Search
> Partner Search Manual
> Support
> My Partner search
> My profile
> Statistics
> Opportunity finder
> Informal Call Information

News

> Map of research infrastructures

> BUTLER open call

> Flagships of Science – boldly going forth

> Follow up: "Idealist F2F brokerage event at the ICT Proposers Day 2012"

Mark…

The places where you can find us on-line:

- http://www.facebook.com/Idealist.ict

- http://www.linkedin.com/company/ideal-ist-eu

- http://twitter.com/ICT_IDEALIST

For any relevant information on
ICT in Horizon 2020

Partner search

Ideal-ist
www.ideal-ist.eu

Your Worldwide ICT
Support Network

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> **View Partner Searches**

> **Launch a New Partner Search**

> **Opportunity finder**

> **Find your Representative**

Ideal-ist addresses ICT companies and research organizations worldwide wishing to find project partners for a participation in the Horizon 2020 program of the European Commission.
Ideal-ist offers a unique and quality-labelled Partner Search and other services helping to ease participation in Horizon 2020. Learn more About ideal-ist

Open calls   View All

> H2020 – EU-JAPAN – 2014
Close date: 10/04/2014

> H2020 – FoF – 2014/2015

Recently Published Partner Searches

> PS-AT-89331: K4FoF

> PS-SK-89303: [EuroLangNet 21+3] European network

In QA proccess

> PS-NO-89154: Inclusive-MT

> PS-NO-89152: Inclusive-MT

View All

ICT Events
View All

> European Data Forum 2014

> Future Internet Assembly

> ICT News

Thank you for your attention!

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