



H2020 ICT - Információs és Kommunikációs Technológiák

KKV pályázati lehetőségek

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HU in FP7-ICT, 2007-2012(3)

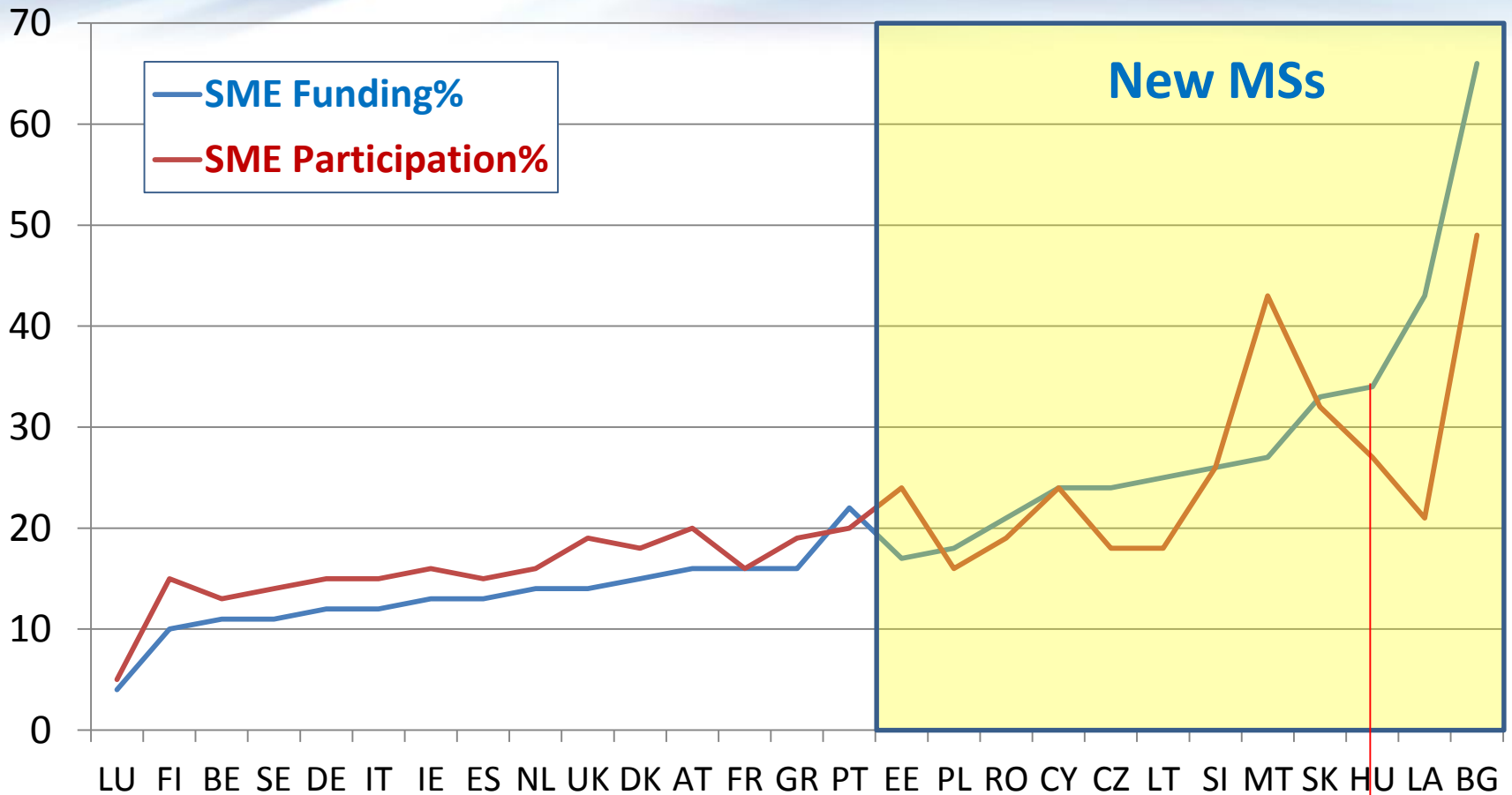
(funded from ICT Budget)

EC Funding:	FP7-ICT:	41,55M,	0,6%	} 65 M€
	FP-7 eInfra:	7,1 M€,	1,4%	
	CIP ICT PSP:	3,77 M€,	0,81%	
	JETIs+AAL JP:	13 M€ public funding (national+EU)		

Nr of participants:	ICT:	173, 0.9% (+ evaluated 18)		} 286
	eInfra.	44,	2,4%	
	CIP-IST:	51,	1,5%	

Number of co-ordinations:	ICT:	3	(2 in 2013)	} 3
	eInfra.	0		
	CIP-IST:	0		

FP7 ICT Share of SMEs by Member State (as % of total funding and participations, cumulated figures 2007 - 2012)

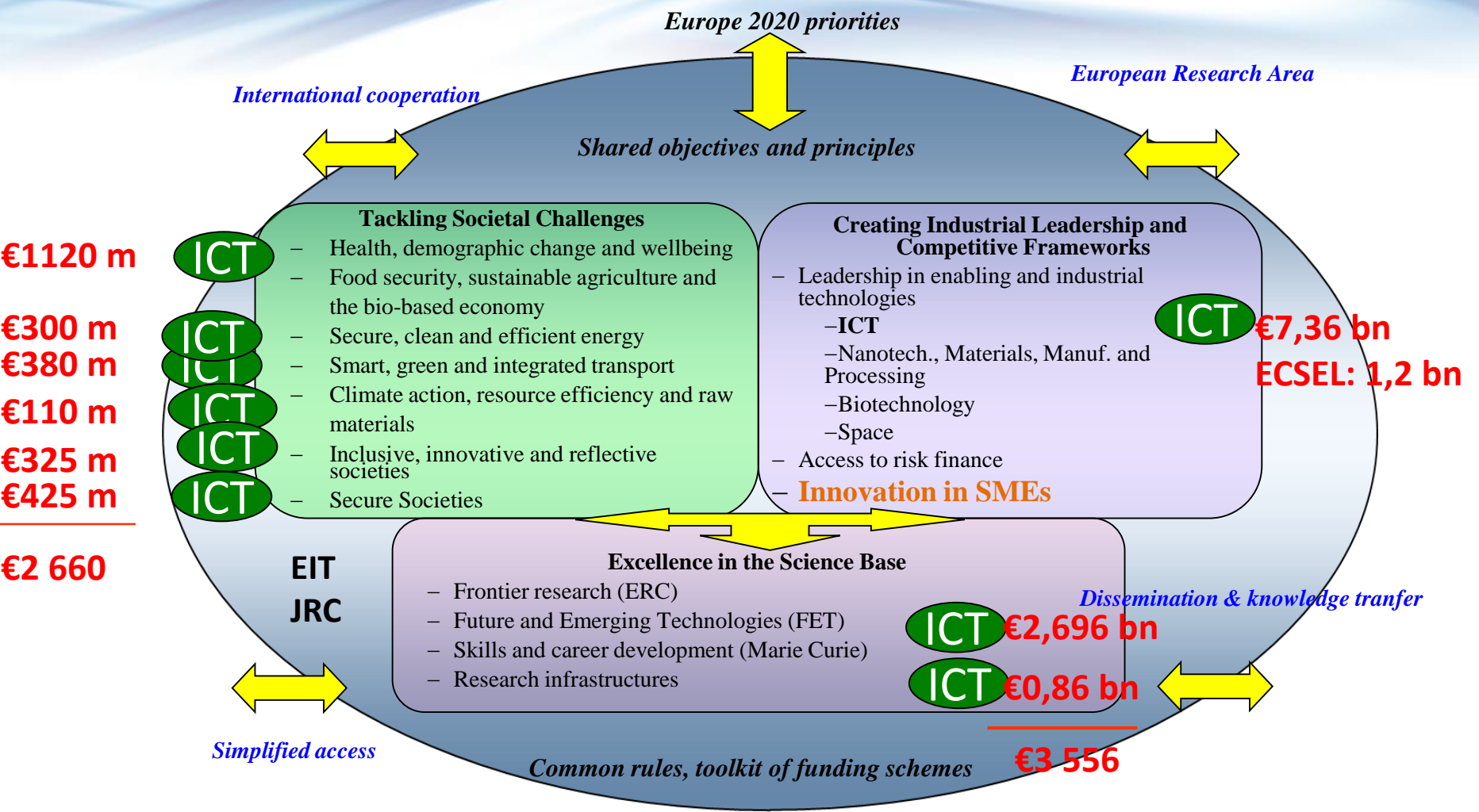


Top 20 HU organisations by ICT funding 2007-12

#	Organisation	Type	EU funding	%
1	BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM	HES/REC	7,986,576	24.2%
2	MAGYAR TUDOMANYOS AKADEMIA SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATO INTEZET	HES/REC	2,972,311	9.0%
3	HOLOGRAFIKA HOLOGRAMELOALLITO FEJLESZTO ES FORGALMAZO KFT	SME	2,583,789	7.8%
4	SEARCH-LAB BIZTONSAGI ERTEKELO ELEMZO ES KUTATO LABORATORIUM KORLATOLT FELELOSSEGU TARSASAG	SME	1,938,388	5.9%
5	EÖTVÖS LORÁND TUDOMÁNYEGYETEM	HES/REC	1,598,335	4.8%
6	NOKIA SIEMENS NETWORKS TELEKOMMUNIKACIOS KERESKEDELMI ES SZOLGALTATO KFT	LARGE	960,259	2.9%
7	NETVISOR INFORMATIKAI ES KOMMUNIKACIOS ZARTKORUEN MUKODO RESZVENYTARSASAG	SME	938,280	2.8%
8	AITIA INTERNATIONAL INFORMATIKAI ZARTKORUEN MUKODO RT	SME	878,824	2.7%
9	PANNON EGYETEM	HES/REC	786,904	2.4%
10	CORVINNO TECHNOLOGIA TRANSZFER KOZPONT NONPROFIT KOZHASZNU KFT	NIL	632,780	1.9%
11	INNOREG KOZEP-MAGYARORSZAGI REGIONALIS INNOVACIOS UGYNOKSEG KOZHASZNU EGYESULET	NIL	625,726	1.9%
12	INSTITUTE FOR PSYCHOLOGY-HUNGARIAN ACADEMY OF SCIENCES	HES/REC	543,969	1.6%
13	BROADBIT HUNGARY FEJLESZTO ES TANACSADO KFT	SME	515,090	1.6%
14	FOLDMERESI ES T AVERZEKELESI INTEZET	HES/REC	496,596	1.5%
15	Mediso Orvosi Berendezes Fejleszto es Szerviz Kft.	SME	479,960	1.5%
16	ERICSSON MAGYARORSZAG KOMMUNIKACIOS RENDSZEREK K.F.T.	LARGE	454,007	1.4%
17	ALKALMAZOTT LOGIKAI LABORATORIUM KUTATO FEJLESZTO SZOVETKEZET (Applied Logic Laboratory)	SME	402,920	1.2%
18	NETVISOR INFORMATIKAI ES KOMMUNIKACIOS SZOLGALTATO KORLATOLT FELELOSSEGU TARSASAG	SME	402,376	1.2%
19	MUSZAKI FIZIKAI ES ANYAGTUDOMANYI KUTATOINTEZET - MAGYAR TUDOMANYOS AKADEMIA	HES/REC	361,560	1.1%
20	SZEGEDI TUDOMANYEGYETEM	HES/REC	353,660	1.1%
21	KILGRAY FORDITASTECHNOLOGIAI KFT	SME	341,280	1.0%



ICT in H2020 (€ 13 576)



A guide to ICT-related activities in WP2014-15

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

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:

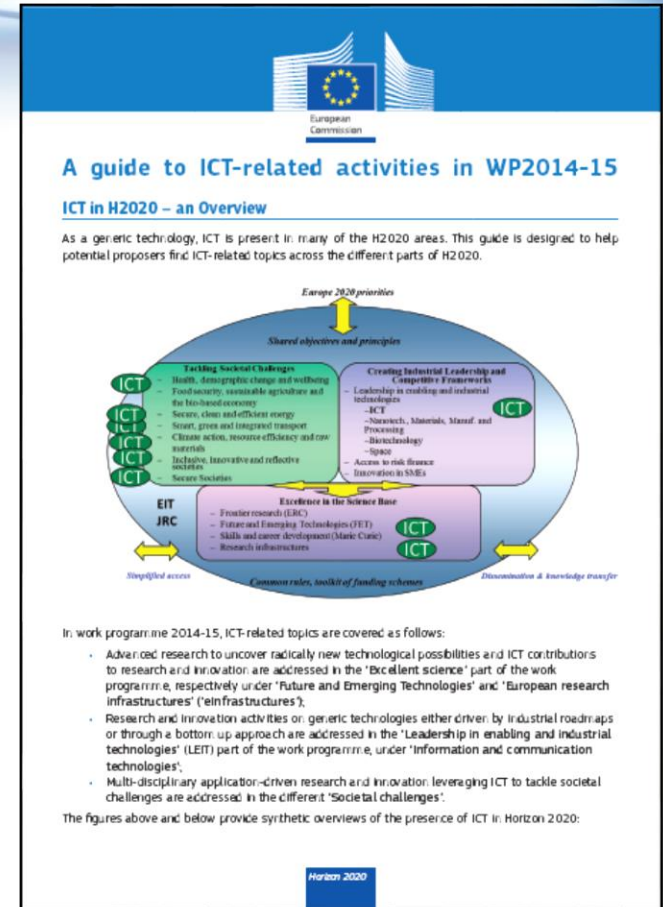
<http://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-launched-%E2%82%AC15-billion-over-first-two-years>

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>



A guide to ICT-related activities in WP2014-15

ICT in H2020 – an Overview

As a generic technology, ICT is present in many of the H2020 areas. This guide is designed to help potential proposers find ICT-related topics across the different parts of H2020.

The diagram illustrates the integration of ICT across various H2020 priorities and pillars. It shows 'Europe 2020 priorities' at the top, leading to 'Shared objectives and principles'. Below this, four main pillars are shown: 'Tackling Societal Challenges', 'Creating Industrial Leadership and Competitive Frameworks', 'Excellence in the Science Base', and 'EIT JRC'. Each pillar includes specific ICT-related activities and is supported by 'Common rules, toolkit of funding schemes'. The diagram also indicates 'Open access' and 'Dissemination & knowledge transfer' as key components.

In work programme 2014-15, ICT-related topics are covered as follows:

- Advanced research to uncover radically new technological possibilities and ICT contributions to research and innovation are addressed in the 'Excellent science' part of the work programme, respectively under 'Future and Emerging Technologies' and 'European research infrastructures' ('eInfrastructures').
- Research and innovation activities on generic technologies either driven by industrial roadmaps or through a bottom-up approach are addressed in the 'Leadership in enabling and industrial technologies' (LEIT) part of the work programme, under 'Information and communication technologies'.
- Multi-disciplinary application-driven research and innovation leveraging ICT to tackle societal challenges are addressed in the different 'Societal challenges'.

The figures above and below provide synthetic overviews of the presence of ICT in Horizon 2020.

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



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%

KKV-k támogatása a H2020-ban

Strong participation by SMEs

- **Integrated approach** - around 20% of the total budget for societal challenges and LEITs to go to SMEs
- **Simplification** of particular benefit to SMEs (e.g. single entry point)
- A **new SME instrument** will be used across all societal challenges as well as for the LEITs
- A dedicated activity for research-intensive SMEs in **'Innovation in SMEs'**
- **'Access to risk finance'** will have a strong SME focus (debt and equity facility)



Implementation: SME instrument

Budget: 90M € for 2014-15

Funding: 70% of eligible cost

Scope: No restriction on ICT area

"Disruptive ICT innovation":

*Innovative ICT concept, product and service
applying new sets of rules, values and models
which ultimately disrupt existing markets*

Cut off dates:



H2020-SMEInst-2014-2015

[H2020-SMEINST-1-2014](#)

[H2020-SMEINST-1-2015](#)

[H2020-SMEINST-2-2015](#)

[H2020-SMEINST-2-2014](#)

ODI-ICT37 call cut-off dates:

Phase 1:

18/06/2014;

24/09/2014;

17/12/2014;

18/03/2015;

17/06/2015;

17/09/2015;

16/12/2015

Phase 2: 09/10/2014;

17/12/2014;

18/03/2015;

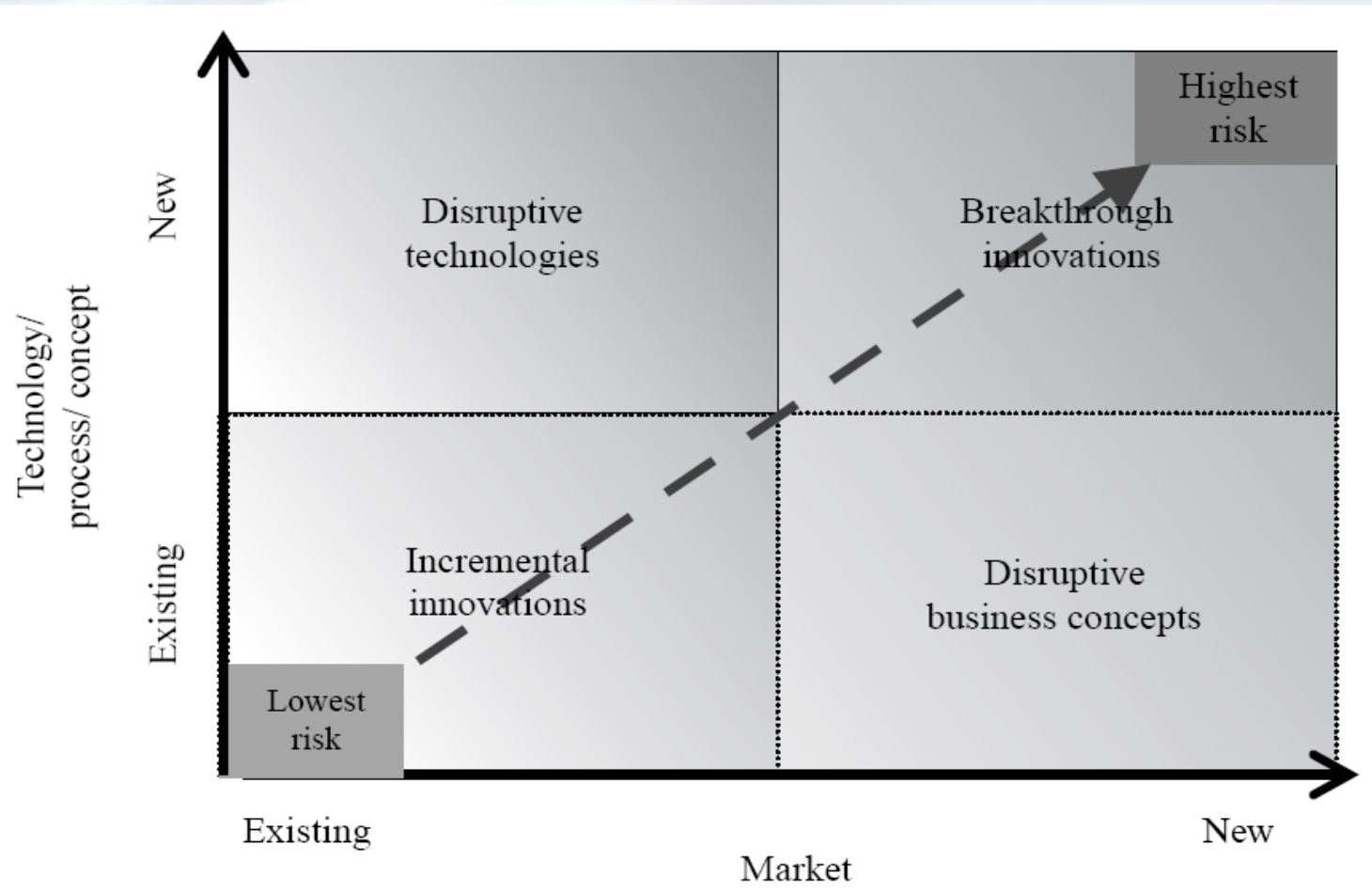
17/06/2015;

17/09/2015;

16/12/2015

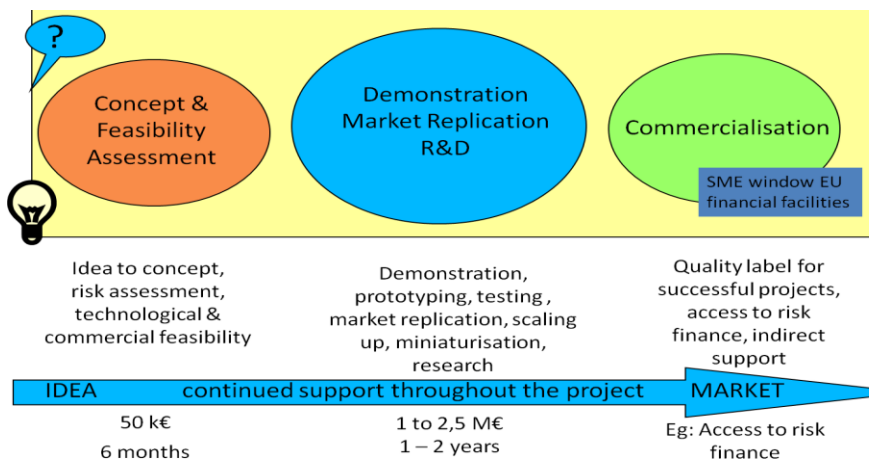


ODI koncepció – a magas kockázat megosztása



ICT ODI költségvetés 2014-2015

	ICT téma	2014 Budget EUR million	2015 Budget EUR million
Open Disruptive innovation Scheme (ODI)	ICT37 [SME instrument]	45 of which: 4.5 for phase1, 39.6 for phase2. 0.9 for mentoring & coaching support and phase 3.	45 of which: 4.5 for phase1, 39.6 for phase2. 0.9 for mentoring & coaching support and phase 3.
Single stage for both phase 1 and phase 2. The budget available for phase 1 and phase 2 will be divided equally between each cut-off date.			



- H2020-SMEInst-2014-2015
- H2020-SMEINST-1-2014
- H2020-SMEINST-1-2015
- H2020-SMEINST-2-2015
- H2020-SMEINST-2-2014

Call Budget
25 M€
26,557 M€
220,8976 M€
233,7016 M€

ICT innovációs akciók, ICT WP-2014-15

		Budget 2014 M€	Budget 2015 M€
ICT contribution to pilot for co-investments by business angels in innovative ICT firms	ICT 34		15
Innovation and Entrepreneurship Support	ICT 35.a: ICT business idea contests in Universities and High schools		
	ICT 35.b: ICT Entrepreneurship Summer Academy	4	
	ICT 35. c: ICT Entrepreneurship Labs		
	ICT 35.d: Campaign on Entrepreneurship culture in innovative ICT sector	1,5	
	ICT 35.e: Support for definition and implementation of Inducement Prizes (or Challenges)	0,5	
	ICT 35.f: European networks of procurers (European Procurers Platforms)	1	
Open Disruptive Innovation Scheme (implemented through the SME instrument)	ICT 37	45	45
Fast track to Innovation – pilot			

ICT ODI beadási és megfelelési feltételek

Eligibility and admissibility conditions: The conditions are described **in parts B and C of the General Annexes** to the work programme, with the following exceptions:

- Proposals for phase 1 are not required to provide a draft plan for exploitation and dissemination.
- A proposal for phase 2 shall include a first commercialisation plan.

<http://ec.europa.eu/digital-agenda/en/news/info-day-open-disruptive-innovation-innovation-and-entrepreneurship-support-horizon-2020-work>

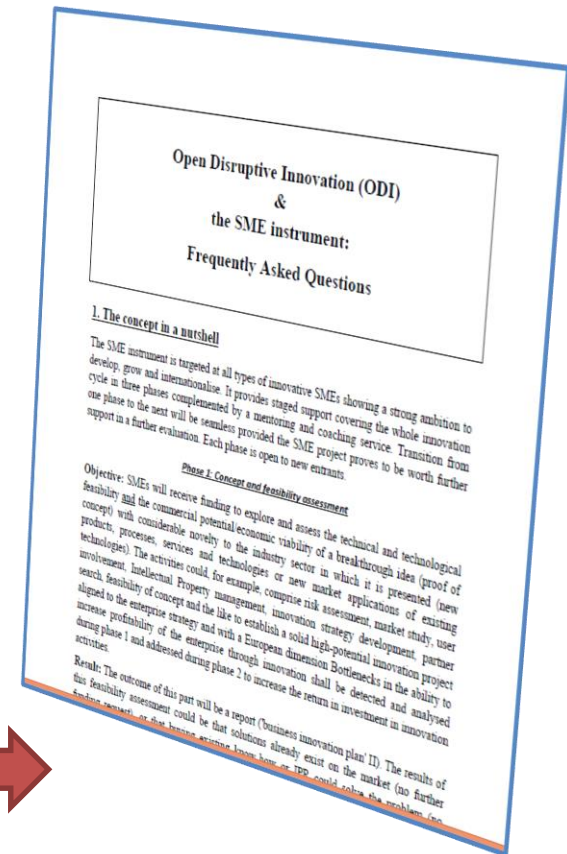
1 - Introduction

2 - Advice on writing a good proposal

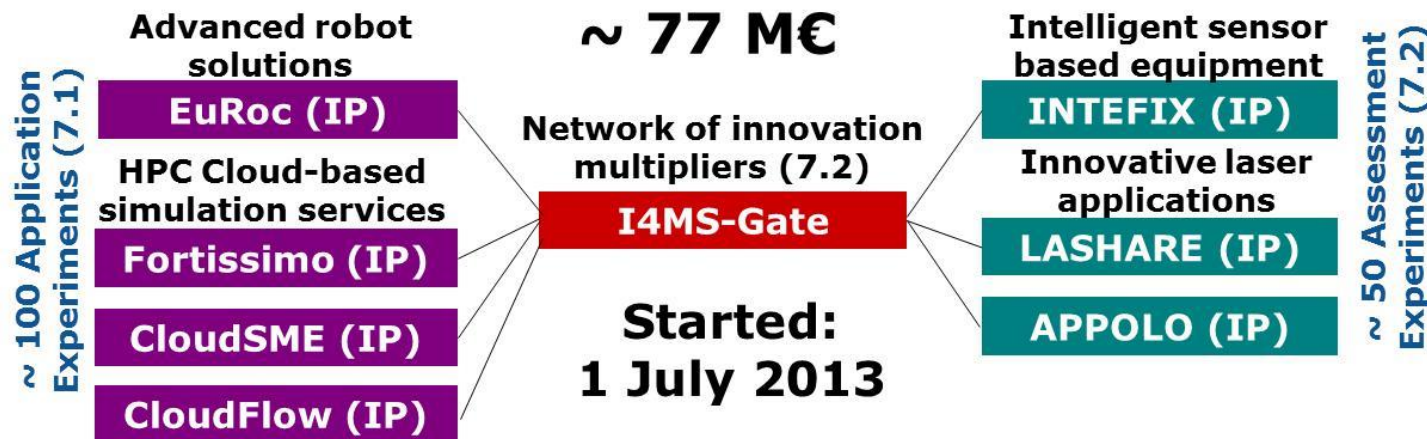
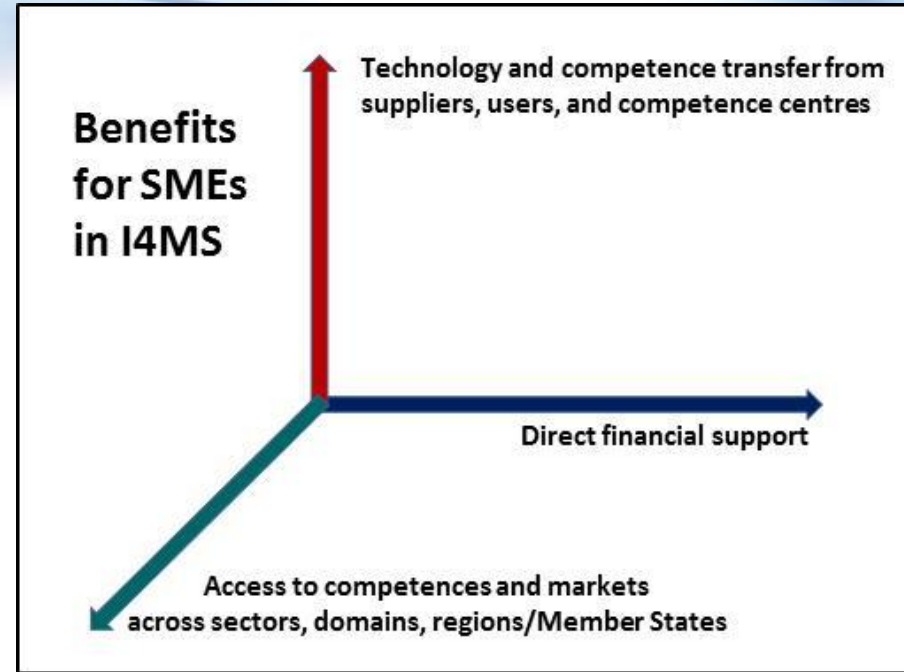
3 - Open Disruptive Innovation and SME Instrument (Call ICT- 37-2014)

4 - Innovation and Entrepreneurship Support (Call ICT- 35 -2014)

Q&A ODI/SME Instrument



- Key role of SMEs in value chains: users and suppliers
- SME need more than €s
- 150 application experiments along value chains clustered
- Clustered around networks of competence centres
- Open Calls for experiments during course of projects



www.i4ms.eu/

Funding opportunities through existing projects in FP7

Project	Event	Dates to remember
EChORD++	<u>Call 1 for Experiments:</u>	Call opening: 3rd March 2014
	Call opening for pre-proposals and proposals submission	Call closing: 24th March 2014
EuRoC	<u>Call for Challengers +Call for End Users</u>	Call opening: 1st April 2014
		Call for Challengers closing: 30 Jun 2014 Call for End Users closing: 15 Nov 2014
euRathlon	<u>Call for participation:</u>	Part 1 deadline: 30 May 2014
	Underwater robotics challenge 2014, La Spezia, Italy, 29 Sep-3 Oct, 2014. Team of Terrestrial, Marine and Aerial Robots, 2015	Part 2 deadline: To Be Confirmed
RoCKIn	<u>Call for participation:</u>	Deadline: 1st June 2014 (tentative)
	Competition Event 2014, Toulouse, 26-30 November 2014 (European Robotics Week)	
RoCKIn	<u>Call for participation:</u>	Deadline: 1st June 2015 (tentative)
	Competition Event 2015, Lisbon, 25-29 Nov 2015 (tentative)	
RoCKIn	<u>Registration of participation:</u> Camp/Field Exercise 2015, Rome, Jun 2015	Deadline: To be decided

Pilot to be launched in 2015, with the following features:

- Aimed at 'innovation actions' with a maximum of 5 partners and a maximum of EUR 3 million per project
- Bottom-up driven logic (i.e. no pre-determined topics or areas)
- Continuously open call with three cut-off dates per year
- Time to grant not exceeding 6 months
- Project will not require Programme Committee approval
- Covering all fields across LEITs and Societal Challenges
- Part of the interim evaluation of Horizon 2020.

Access to finance:

Horizon 2020 and COSME will support
two EU financial instruments for SMEs

Equity instrument for SMEs' growth and R&I

- Equity Facility for R&I (H2020)
- Equity Facility for Growth (COSME)

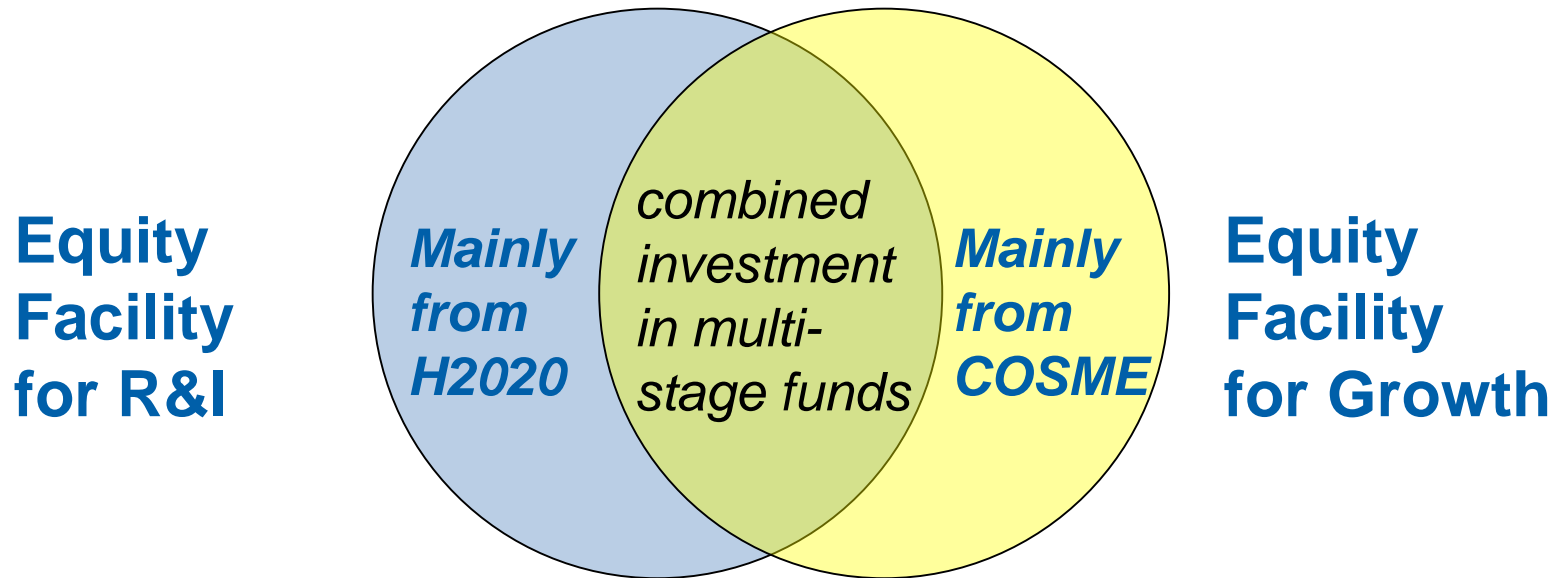
Debt instrument for SMEs' growth and R&I

- Loan Guarantee Facility (COSME)
- SMEs & Small Midcaps Guarantee Facility for R&I (H2020)



Equity instrument for SMEs' growth and R&I

Two complementary facilities working together to support access to risk capital and stimulate the development of the VC industry



from start-up/early stage \longleftrightarrow to expansion/growth stage
may make growth investments \longleftrightarrow *may make early-stage investments*
up to 20% of total EU investment

Köszönjük figyelmüket!

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