

Otvorené a plánované výzvy v rámci priority ICT

Martin Klimo

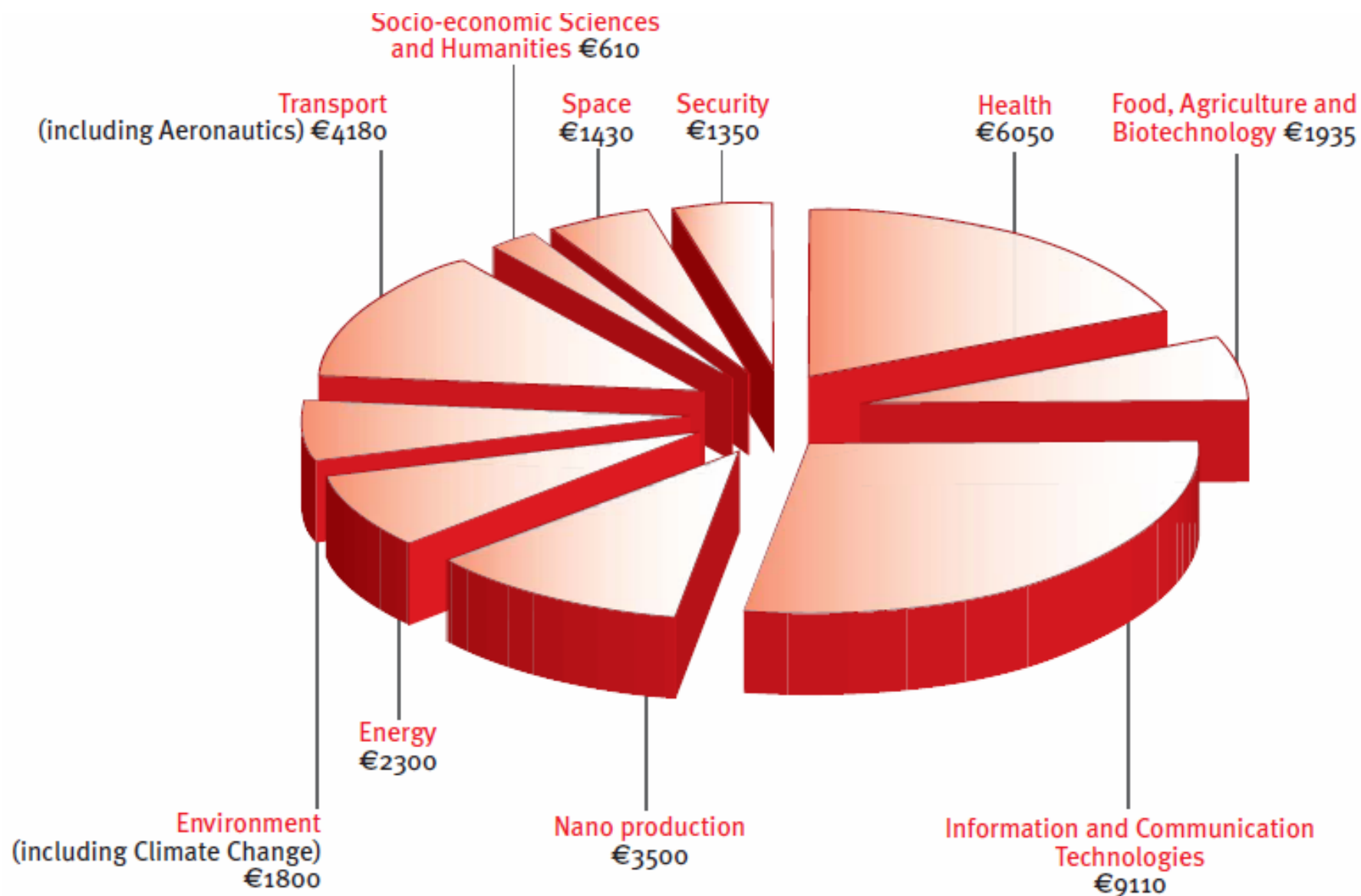
ICTC delegát

martin.klimo@fri.uniza.sk

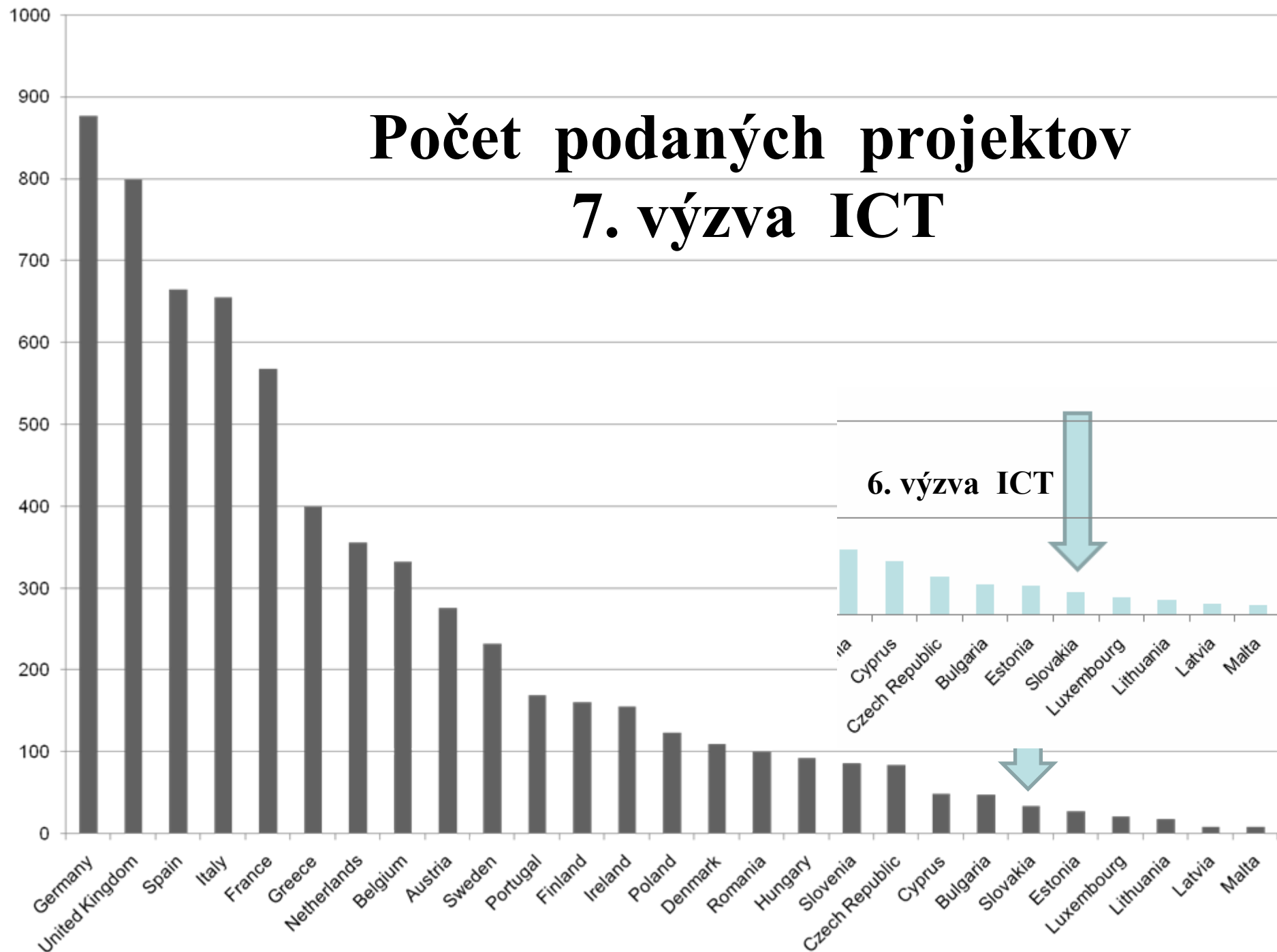
Informačný deň 7. RP

7. 7. 2011, Bratislava

The Cooperation Programme breakdown (€ million)



Počet podaných projektov 7. výzva ICT



OBJECTIVE 11.3 Supplements to Strengthen Cooperation in ICT R&D in an Enlarged European Union

Proposal	Acronym	ESR Score	Cost (€) proposed	Grant (€) requested
288401	COGEU_EnlargedEU	13.50	452,820	266,010
287560	ELLIOT – Enlarged EU	13.00	943,939	695,014
288840	FIVER-ENLARGED EU	12.00	461,894	268,248

Statistical overview of evaluators			
Country	Male	Female	Total
Slovakia	2	1	3
Grand Total	564	144	708

Challenges

2009-10

1. Network and service infrastructure
2. Cognitive systems, interaction, robotics
3. Components, systems, engineering
4. Digital libraries & info mgmt
5. ICT for health
6. ICT for mobility & sustainable growth
7. ICT for independent living & inclusion

2011-12

- 1: Networking, networked media and service infrastructures
- 2: Cognitive systems and robotics
- 3: Alternative paths to components and systems
- 4: Technologies for digital content and languages
- 5: ICT for health, ageing well, inclusion and governance
- 6: ICT for a lower carbon economy
- 7: ICT for manufacturing & factories of the future
- 8: ICT for learning and access to cultural resources

Otvorené a plánované výzvy v rámci priority ICT 2011-2012

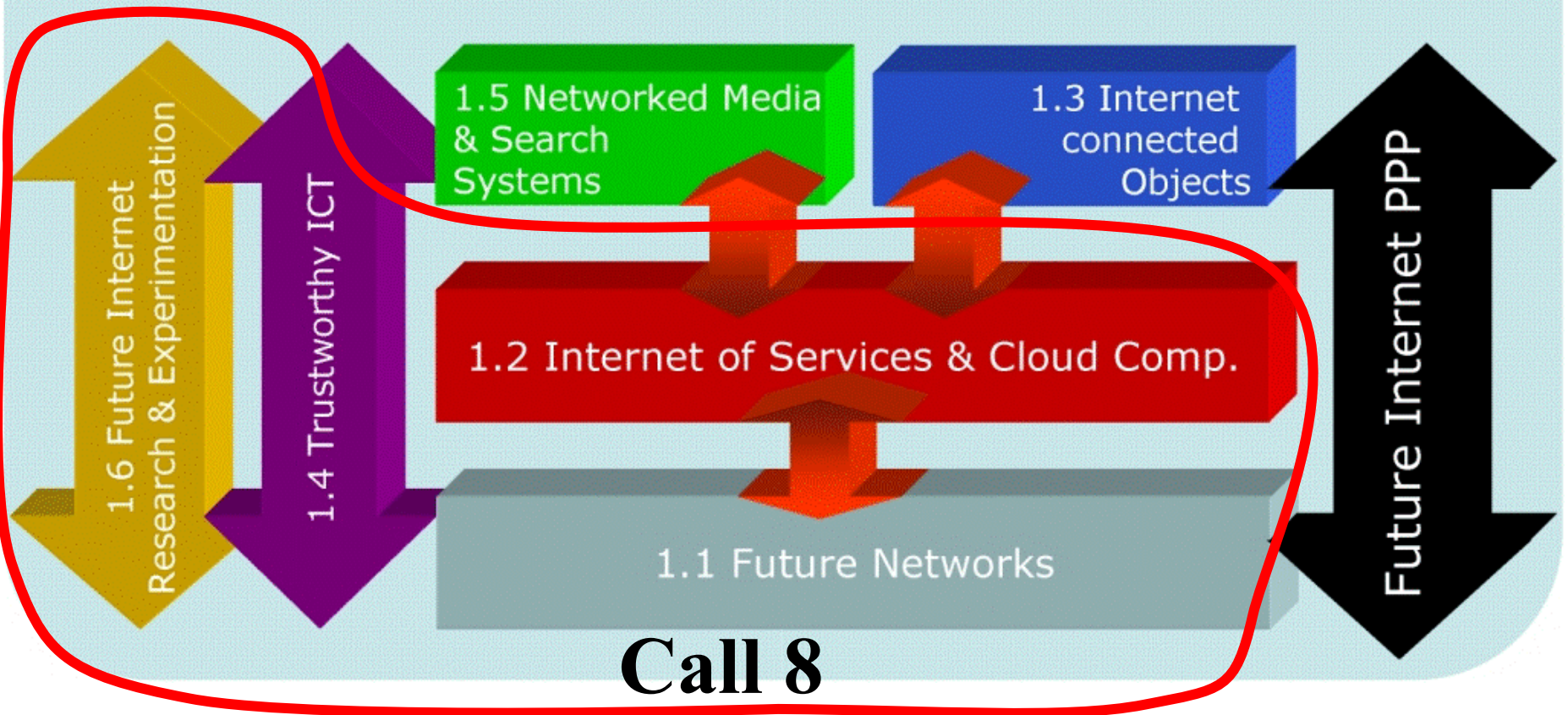
	Call 8	GC, EEB, FoF PPP 2012	Call 9	Future Internet PPP 2012	FET Open
Date of publication	20/7/11	20/7/11	18/1/12	18/5/12	20/7/10
Call deadline	17/1/12	1/12/11	17/4/12	24/10/12	Cont. to 31/12/12

Call title: ICT call 8

- Call identifier: FP7-ICT-2011-8
- Date of publication: 20 July 2011
- Deadline: 17 January 2011
at 17.00.00 (Brussels local time)
- Indicative budget: EUR 778,5 million

Topics called in Challenge 1

Challenge 1 - "Pervasive and Trusted Network and Service Infrastructures"



ICT call 8

1. Pervasive and Trusted Network and Service Infrastructure	Budget
1.1 Future Networks	160
1.2 Cloud Computing, Internet of Services and Advanced Software Engineering	70
1.4 Trustworthy ICT	80
1.6 Future Internet Research and Experimentation (FIRE)	25
3. Alternative Paths to Components and Systems	
3.1 Very advanced nanoelectronic components: design, engineering, technology and manufacturability	60
3.2 Smart components and smart systems integration	39
3.5 Core and disruptive photonic technologies	92
4. Technologies for Digital Content and Languages	
4.4 Intelligent Information Management	50
5. ICT for Health, Ageing Well, Inclusion and Governance	
5.7 Support to JPI 'More Years – Better Lives'	1.5
6. ICT for a Low Carbon Economy	
6.1 Smart energy grids	30
6.3 ICT for efficient water resources management	15
6.7 Cooperative systems for energy efficient and sustainable mobility	40
8. ICT for Learning and Access to Cultural Resources	
8.1 Technology-Enhanced Learning	60

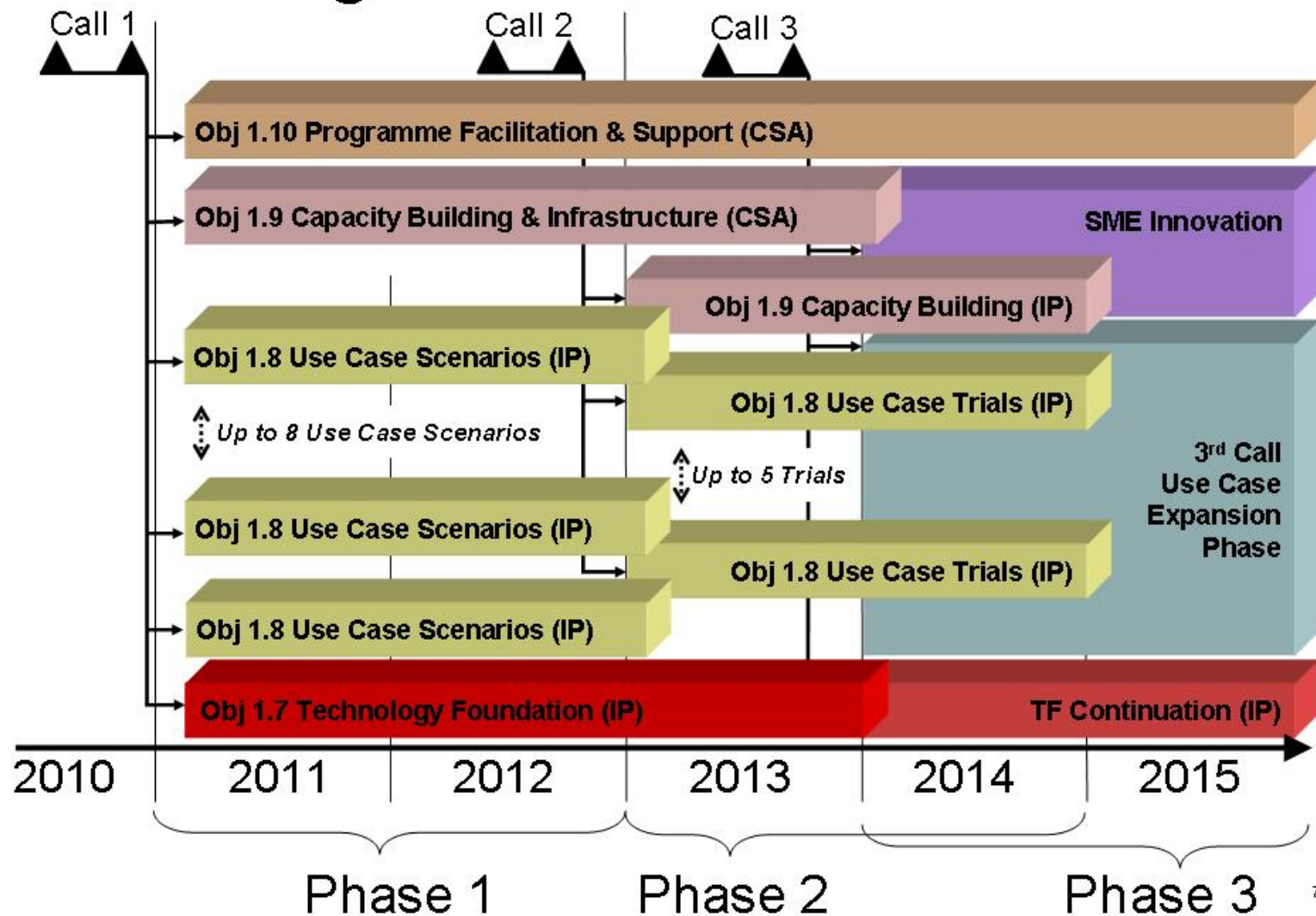
**ICT for Green Cars
Energy-efficient Buildings
Factories of Future**

} 20/7/11 - 1/12/11

Future Internet 18/5/12 - 24/10/12

	GC, EEB, FoF PPP 2012	Future Internet PPP 2012
1. Pervasive and Trusted Network and Service Infrastructure		
1.8 PPP FI: Use Case scenarios and early trials		67.5
1.9 PPP FI: and Infrastructure Support		12.5
6. ICT for a Low Carbon Economy		
6.5: PPP EEB: ICT for energy-positive neighbourhoods	30	
6.8 PPP GC: ICT for fully electric vehicles	30	
7. ICT for the and Manufacturing		
7.1 PPP FoF: Smart factories: energy-aware, agile manufacturing and customisation	40	
7.2 PPP FoF: Manufacturing Solutions for new ICT products	20	
Total	120	80

Future Internet PPP Programme Architecture



Future Internet Event in Poland

- **Future Internet Event:**

- website: www.fi-poznan.eu
- **24-28 October 2011, Poznań**

- **Main Conferences:**

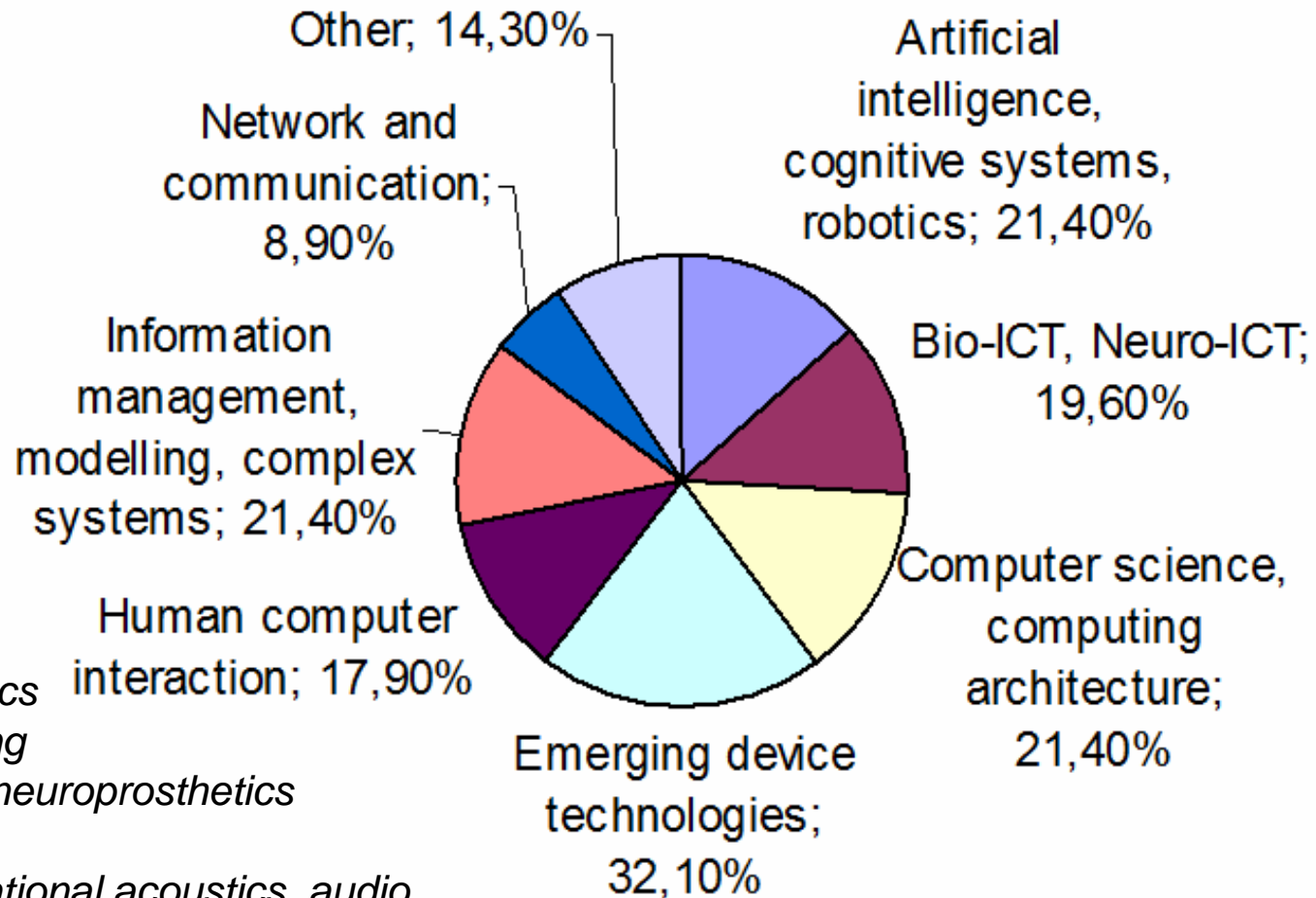
- **Future Internet Conference – 24/10/2011**
 - (with a focus on Structural Funds for Future Internet research and e-Infrastructures)
- **Future Internet Assembly – 25-26/10/2011**
- **Future Internet Forum – 25/10/2011**
- **Conferences: Service Wave, FIRE, Internet of Things - dates tbc**
- **Many other side events**

Budúce výzvy 18/1/12 - 17/4/12

	Call 9
2. Cognitive Systems and Robotics	
2.1 Cognitive Systems and Robotics	82
4. Technologies for Digital Content and Languages	
4.3 Digital Preservation	30
5. ICT for Health, Ageing Well, Inclusion and Governance	
5.2 Virtual Physiological Human	66.5
8. ICT for Learning and Access to Cultural Resources	
8.2 ICT for access to cultural resources	40
9. Future and Emerging Technologies	
FET-Proactive	
9.9 FET Proactive: Quantum ICT (QICT) including ERA-NET-Plus	22
9.10 FET Proactive: Fundamentals of Collective Adaptive Systems (FOCAS)	23
9.11 FET Proactive: Neuro-Bio-Inspired Systems (NBIS)	23
9.12 Coordinating Communities, Identifying new research topics for FET Proactive initiatives and Fostering Networking of National and Regional Research Programmes	2.5
Total	291

Future and Emerging Technologies

domains of interest



Material science
Quantum Physics
Computational Fluid Dynamics
Signal and image processing
brain-computer interfaces, neuroprosthetics
Quantum computing
Signal processing, computational acoustics, audio processing, sound analysis

Výzva FET Open

- Call identifier: FP7-ICT-2011-C
- **OJ Reference:** [OJ C196 of 20 July 2010](#)
- **Cut-Off Date(s):**
 - 17 May 2011 at 17:00:00 (Brussels local time)
 - 25 October 2011 at 17:00:00 (Brussels local time)
 - 10 April 2012 at 17:00:00 (Brussels local time)
 - 25 September 2012 at 17:00:00 (Brussels local time)
- Indicative budget: EUR 46 million

Výzva "FET Flagship Initiatives"

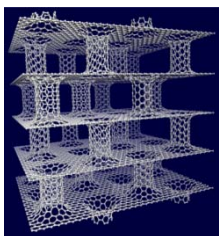
- Call identifier: FP7-ICT-2011-FET-F
- Date of publication: 20 July 2010
- Deadline: 2 December 2010 at 17.00.00
(Brussels local time)
- Indicative budget: EUR 10 million

Topic called:

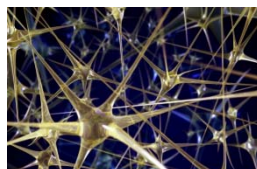
- Challenge 9: Future and Emerging Technologies - **ICT 2011.9.5** FET Flagship Initiative Preparatory Actions (CSA)

Selection and implementation

Graphene



HBP



RoboCom



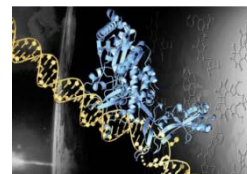
FuturICT



Guardian
Angels

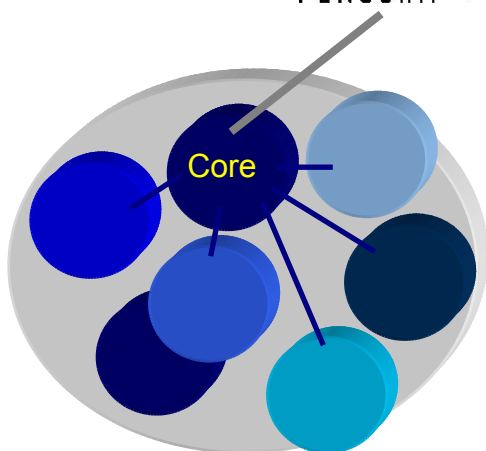


ITFoM

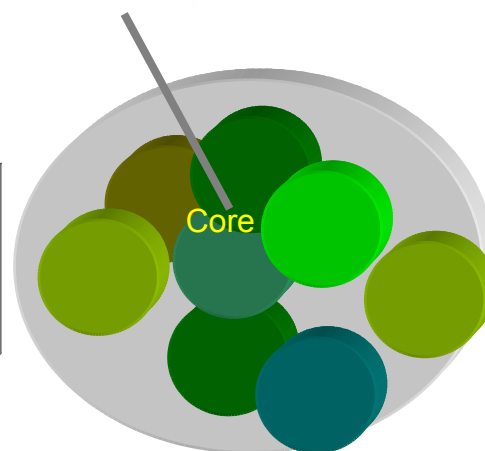


Step 1: Flagship selection

FLAGSHIP 1



FLAGSHIP 2



Step 2:
Implementation

FuturICT



Steven Bishop

<http://www.futurict.eu>

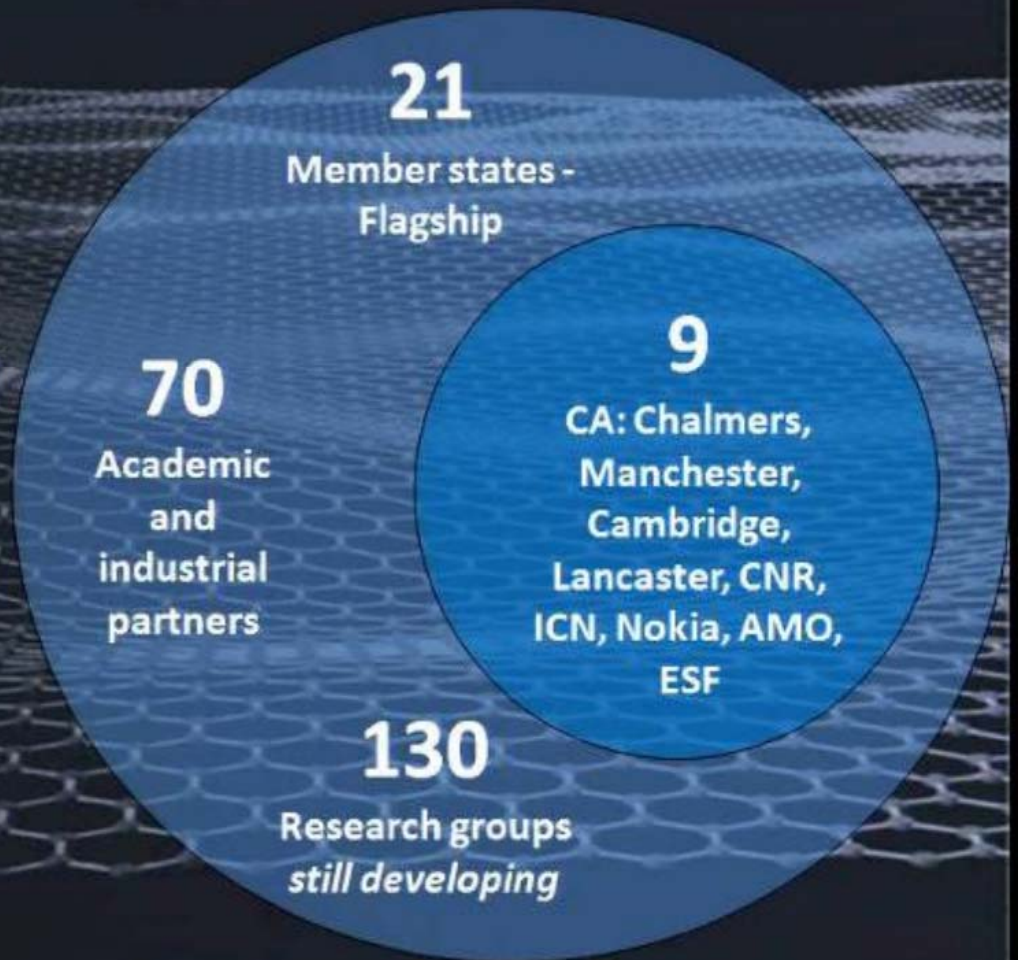


Graphene-driven revolutions in ICT and beyond

Vision

Large focused research community that exploits the unique properties of graphene and related two-dimensional materials to create new innovations and boost economic growth.

Jari Kinaret
Chalmers University of Technology





HBP

The Human Brain Project

Henry Markram ([Ecole Polytechnique Fédérale de Lausanne](#))

Rationale

Data-rich, individualised medicine poses unprecedented challenges for ICT, in hardware, software solutions.

We propose a data-driven, individualised medicine of the future, based on computer models ('**virtual patients**') derived from molecular/physiological/anatomical/environment data from individual patients.

Individualised versions of the models, produced for each patient, will then be used to identify personalised prevention/therapy schedules and side effects of drugs.

Hans Lehrach (Max Planck Institute for Molecular Genetics)



More than Future

Prof. Paolo Dario
The BioRobotics Institute
Scuola Superiore Sant'Anna
Pisa, Italy

Funding sources and instruments

(Ramp-up phase)

EU/FP

Targeted Calls (FET, others)



IPs, STREPs, ...

ERA-NET/ERA-NET+
(fresh funds)

STRUCTURAL FUNDS

Infrastructures
Training

INSTITUTIONAL

Academia, industry,
foundations,...

- Existing programs

- Multi-national programs

- Infrastructures (labs,

buildings, equipment...)

NATIONAL

} *alignment*

} *in-kind*

Large scale - 10 years financial and political support
up to 100 M total budget Euro per Flagship per year

Ďalšie informácie

Call information

CORDIS call page and work programme

<http://cordis.europa.eu/fp7/dc/index.cfm>

Participant Portal

<http://ec.europa.eu/research/participants/portal/>

General sources of help

FP7 Enquiry service

<http://ec.europa.eu/research/enquiries>

ICT Information Desk email ict@ec.europa.eu

tel: +32 2 296 8596

fax: +32 2 296 8388

Ďakujem za pozornosť