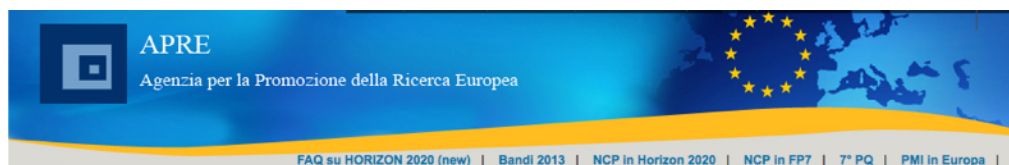




# FET & ICT H2020

Resoconto presentazione giornata lancio APRE/MIUR  
Conferenza lancio ICT H2020 Vilnius - Lituania



**ICT H2020: Giornata Nazionale di Lancio Bandi 2014-15**  
Roma, 14 ottobre 2013  
MIUR, Piazza J. F. Kennedy 20

Organizzato da:  
APRE, per conto del MIUR e in stretta collaborazione con la Commissione Europea, organizza la giornata informativa dei nuovi Bandi 2014-15 per la tematica ICT in Horizon 2020

**MAPPA DELLA SEDE DELL'EVENTO  
COME RAGGIUNGERE LA SEDE**

Nella Giornata Informativa verranno presentati gli argomenti di ricerca ICT nei tre pilastri H2020 e il **Work Programme ICT 2014-2015** nel contesto nazionale.

Verranno inoltre illustrati gli aspetti innovativi delle regole di partecipazione e degli strumenti relativi al Programma **Horizon 2020**.

Seguirà la tavola rotonda per dibattere delle priorità, delle criticità e delle opportunità che l'Italia dovrà sfruttare.

| Agenda:     |                                                                                                                                                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.00-10.15 | Introduzione ai lavori<br>Mario Ali Direttore Generale DG per l'Internazionalizzazione della Ricerca, MIUR                                                               |
| 10.15-11.00 | Gli argomenti di ricerca ICT nei tre pilastri H2020<br>Annalisa Bogliolo Commissione Europea, DG CNECT                                                                   |
| 11.00-11.20 | Il Work Programme ICT 2014-2015 nel contesto nazionale<br>Paola Invernardi Rettore Eletto dell'Università degli Studi dell'Aquila, Rapp. del Comitato ICT in Horizon2020 |
| 11.20-11.50 | Regole di partecipazione e strumenti: aspetti innovativi<br>Sabrina Bozzoli Punto di Contatto Nazionale Aspetti Legali e Finanziari, A. ...                              |
| 11.50-13.00 | Tavola Rotonda: Priorità, criticità/opportunità per l'Italia: come risponde<br>Alberto Di Minin Consigliere del Ministro per l'Innovazione, MIUR e Rapp. ...             |

## EVENTI

- ROMA 15 novembre 2013**  
**NMP+B in H2020: Giornata Nazionale di Lancio Bandi 2014-2015**  
Giornata di lancio dei primi bandi H2020 (2014-2015) per il tema nanotecnologie, materiali avanzati, biotecnologie, fabbricazione e trasformazione avanzate. *pubblicato il 06/11/2013 alle 17:58.*
- Venezia - Mestre 27 novembre 2013**  
**NanotechITALY 2013**  
Il più importante evento internazionale in tema di nanotecnologie ospitato in Italia *pubblicato il 23/10/2013 alle 16:40.*
- Roma 27 novembre 2013**  
**Countdown to Horizon 2020 Space International Information and Brokerage**  
Giornata Nazionale di Lancio dei bandi 2014-15 *pubblicato il 23/10/2013 alle 10:22.*
- Roma 28 novembre 2013**  
**SMART, GREEN AND INTEGRATED TRANSPORT in HORIZON 2020**  
Giornata di lancio dei bandi 2014/2015 *pubblicato il 06/11/2013 alle 17:58.*
- Roma 2 dicembre 2013**  
**Marie Skłodowska-Curie Actions in Horizon 2020: Giornata di Lancio Bandi 2014-15**  
Giornata di lancio dei primi bandi H2020 (2014-2015) per le Marie Skłodowska-Curie Actions. *pubblicato il 06/11/2013 alle 18:00.*
- Roma 3 dicembre 2013**  
**Salute in Horizon 2020: Giornata Nazionale di Lancio dei bandi 2014-15**  
Giornata Nazionale di Lancio dei bandi 2014-15. *pubblicato il 06/11/2013 alle 17:58.*
- Roma 10 dicembre 2013**  
**Climate Action, Environment, Resource Efficiency and Raw Materials in H2020**  
Giornata di lancio dei bandi 2014/2015 *pubblicato il 11/11/2013 alle 12:01.*

**DIGITAL AGENDA FOR EUROPE**  
A Europe 2020 Initiative

European Commission > Digital Agenda for Europe > DAE & U

Home Our Goals Life & Work Entrepreneurship & Innovation Science & Technology Telecoms & the Internet Content & Media DAE & U

## ICT 2013

- Conference
- Exhibition
- Networking
- Work Programme
- Investment Forum
- Students
- Journalists & Media
- Sessions reports

## DAE & U

- My Country
- Advisers
- Digital Agenda Assembly
- Communities
- Consultations
- Futurium
- Funding Opportunities

## ICT 2013



After 3 days of digital inspiration, creativity & connecting, #ICT2013eu, Europe's biggest digital technology event has now finished. Almost 5000 people attended.

\*\*\*If you were with us in Vilnius, give us feedback by taking this short survey.

Activities included:

- conference - Read the session reports
- exhibition
- networking sessions
- work programme sessions
- investment forum
- activities for students & young researchers
- Connecting ICT & Art communities
- evening social event
- and much more...

The ICT2013 event was organised by the European Commission with the Lithuanian Presidency of the Council sponsors of the Presidency.

Tags: > ICT2013 > ICT 2013 > Create

**Newsroom**

**Press Releases**

Share

Search the site

- My ICT 2013
- Practical information
- ICT 2013 poster

Registered participants:

5315

In partnership with:



Blogs **ICT 2013**

Tweets **ICT 2013**



Home Create event Server admin My profile Help

Home >> Strutture INFN >> Laboratori Nazionali di Frascati >> Formazione >> Corsi di Formazione

## Corsi di Formazione

Go to parent category | iCal export | View | Create | Manage

### November 2013

13 Nov **Info Day - FET e ICT H2020**

### October 2013

08 Oct **Info day H2020 - Rendicontazione Progetti Nazionali - Formazione 2014**

### June 2013

28 Jun **Meeting on Advanced Detectors at Accelerators @ LNF**

17 Jun **Formazione LNF 2014 - Assemblea personale Tecnico e Amministrativo** (INFN - LNF domain only)

14 Jun **Giornata informativa su Horizon2020 e le opportunità di collaborazione con l'Agenzia APRE (Agenzia per la Promozione della Ricerca Europea).** (INFN - LNF domain only)

### March 2013

19 Mar **Corso MEPA - L'approvvigionamento di beni e servizi nell'INFN - Le norme sulla revisione della spesa pubblica e gli acquisti sotto soglia comunitaria**

### November 2012

21 Nov **Giovanni Mazzitelli, "Tips and tricks ERC e linee guida per la presentazione di progetti** (INFN - LNF domain only)

### September 2012

27 Sep **Giornata di Formazione sulle opportunità regionali - FILAS** (INFN - LNF domain only)

### September 2009

29 Sep - 01 Oct **Fondamenti di programmazione in Java** (protected)

Hide the events in the past (7)

# Three priorities

70 Miliardi di euro-3.7% rispetto a FP7

+ EIT, JRC,  
Widening, SwfS

32%

|                                        | Compromise<br>% 27.06.13 | Million € (27.06.13) |
|----------------------------------------|--------------------------|----------------------|
| <b>I. Excellent Science, of which:</b> | <b>31,73%</b>            | <b>21.609</b>        |
| 1. ERC                                 | 17,00%                   | 11.577               |
| 2. FET                                 | 3,50%                    | 2.384                |
| 3. MS Curie Actions                    | 8,00%                    | 5.448                |
| 4. Research Infrastructures            | 3,23%                    | 2.200                |

**Excellent  
science**

8%

22%

|                                                       |               |               |
|-------------------------------------------------------|---------------|---------------|
| <b>II. Industrial Leadership, of which:</b>           | <b>22,09%</b> | <b>15.044</b> |
| 1. Leadership in Enabling and Industrial Technologies | 17,60%        | 11.986        |
| 2. Access to Risk Finance                             | 3,69%         | 2.513         |
| 3. Innovation in SME's                                | 0,80%         | 544,81        |

**Industrial  
leadership**

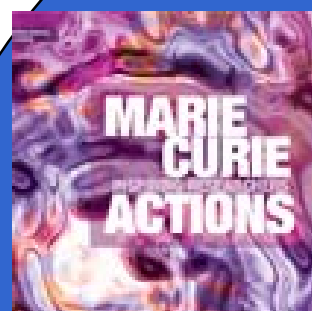
**Societal  
challenges**

38%

|                                                                                           |               |               |
|-------------------------------------------------------------------------------------------|---------------|---------------|
| <b>II.I Societal Challenges, of which:</b>                                                | <b>38,53%</b> | <b>26.240</b> |
| 1. Health, demographic change and well being                                              | 9,70%         | 6.606         |
| 2. Food security, sustainable agriculture, marine and maritime research & the bio economy | 5,00%         | 3.405         |
| 3. Secure, clean and efficient energy                                                     | 7,70%         | 5.244         |
| 4. Smart, green and integrated transport                                                  | 8,23%         | 5.605         |
| 5. Climate action, resource efficiency and raw materials                                  | 4,00%         | 2.724         |
| 6. Europe in a changing world – Inclusive, innovative and reflective society              | 1,70%         | 1.158         |
| 7. Secure societies – Protecting freedom and security of Europe and its citizens          | 2,20%         | 1.498         |

# Excellent Science building blocks

**Opportunities for training  
and career development**  
5448 MEuro



**Excellent  
Science**

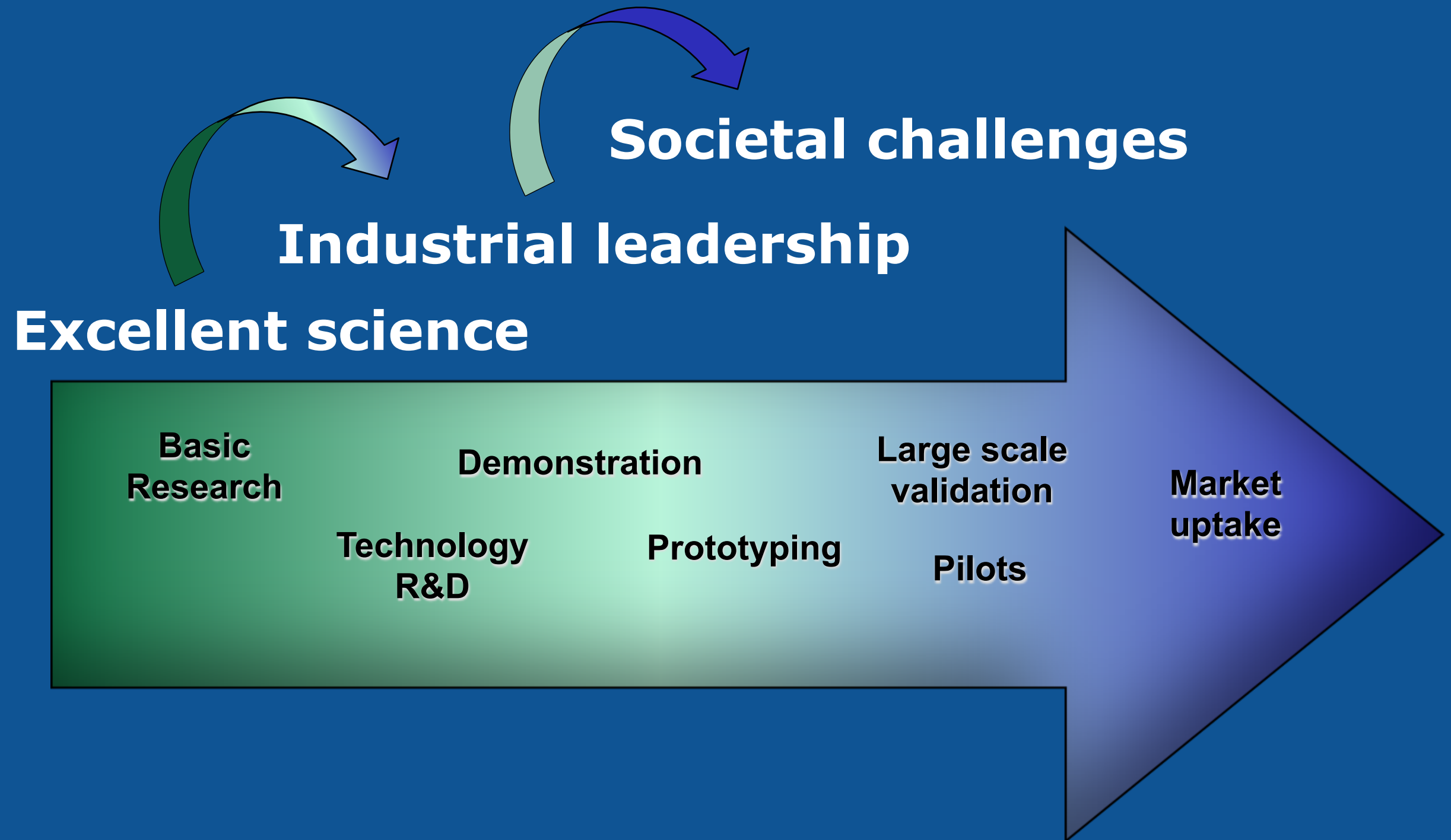
**Ensuring access to world-class  
facilities**  
2200 MEuro

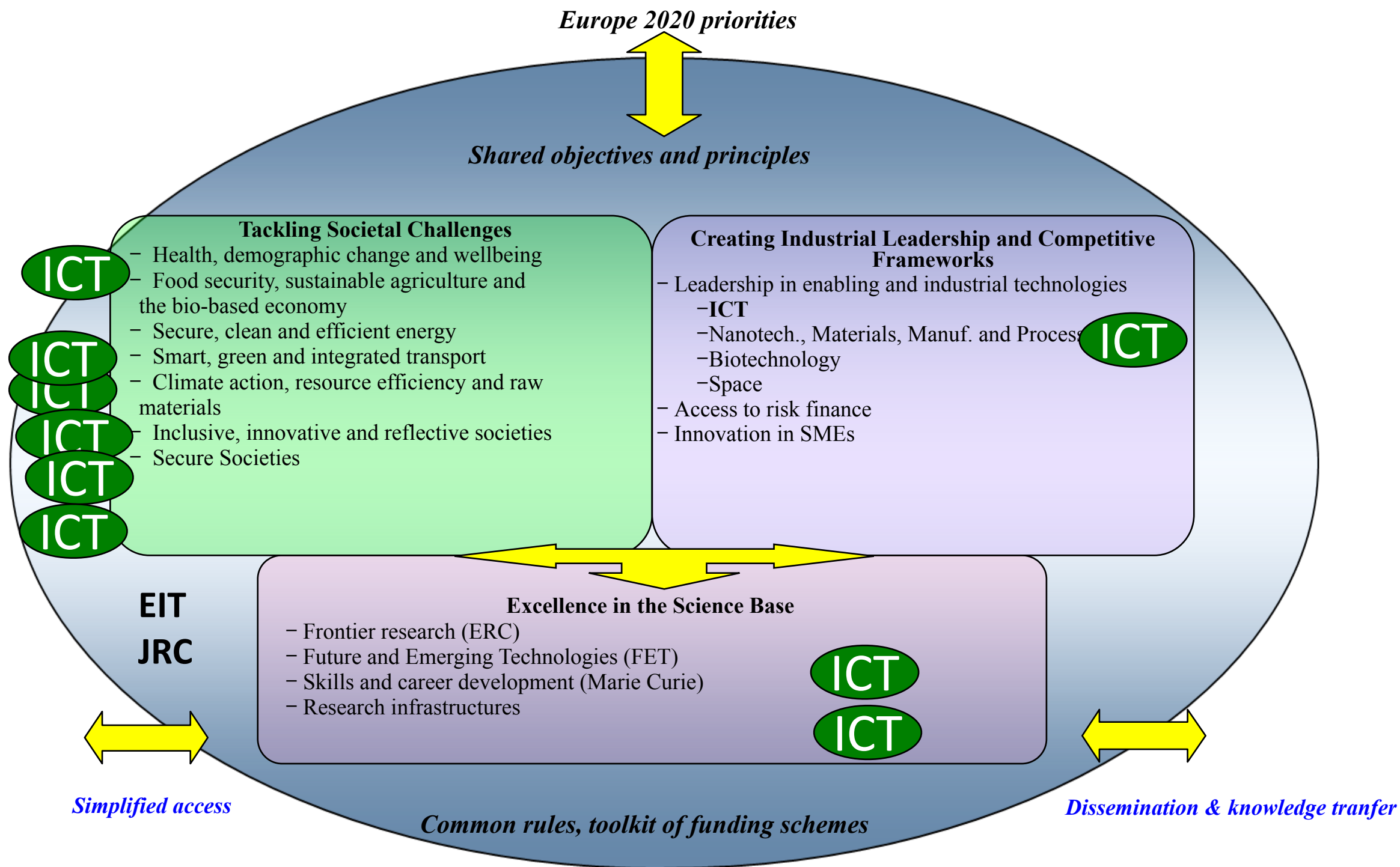


**Collaborative research to open  
new fields of innovation**  
2383 MEuro

**Frontier research by the best individual teams**  
11577 MEuro

# Coverage of the full innovation chain





# ICT in Excellent Science



# Excellent Science - ICT



## Future and Emerging Technologies (FET)

**FET Open: fostering novel ideas**

**FET Proactive: nurturing emerging themes and communities**

**FET Flagships: pursuing grand interdisciplinary science and technology challenges**

## Research infrastructures

Developping the European research infrastructure for 2020 and beyond

**Development, deployment and operation of ICT-based e-infrastructure**



# The FET specific schemes

## FET – three complementary approaches ('schemes')

Open, light and agile

Roadmap based research

Individual research projects

*Early Ideas*

**FET Open**

Exploring  
novel ideas

Open research clusters

*Exploration and Incubation*

**FET Proactive**

Developing  
topics & communities

Common research agendas

*Large-Scale Partnering Initiatives*

**FET Flagships**

Addressing  
grand challenges

# Future and Emerging Technologies (FET) / 2014-2015

## FET Open

**All technologies, no topical scope**

**Light and fast scheme**

Several cut-off dates per year, one-step  
submission of ~15 pages

One stage evaluation

ANNEX 2 TO THE DECISION

## FET Proactive

**Global Systems Science (GSS)**

Improve the way in which scientific knowledge  
can stimulate, guide, and help evaluate policy  
and societal responses to global challenges

**Knowing, doing, being: cognition beyond  
problem solving**

New approaches to cognitive systems

**Towards exascale high performance computing**

To be coordinated with complementary work in  
LEIT and RI (→ **HPC PPP**)

WORK PROGRAMME 2014 – 2015

2. *Future and Emerging Technologies*

(European Commission C(2013)XXX of XX December 2013)

## FET Flagships

**Graphene**

**Human Brain Project**

26 09 2013

## ICT infrastructure resources and services for Research

Provision of core services across e-infrastructures

Research and Education Networking – GEANT  
eInfrastructures for virtual research environments

## Access to and management of scientific data

Managing, preserving and computing with big research data

Towards global data e-infrastructures –  
Research Data Alliance  
eInfrastructure for Open Access

## High Performance Computing

Pan-European High Performance Computing infrastructure and services

Centres of Excellence for computing applications  
Network of HPC competence centres for SMEs

**COUNCIL DECISION ESTABLISHING THE SPECIFIC PROGRAMME  
IMPLEMENTING HORIZON 2020 - THE FRAMEWORK PROGRAMME  
FOR RESEARCH AND INNOVATION (2014-2020)**

**WORK PROGRAMME 2014 – 2015**

*4. European research infrastructures (including e-Infrastructures)*

**INFORMAL DRAFT DISCUSSION DOCUMENT**

18/09/2013

**Important notice:**

The present document is meant to facilitate the discussions towards the preparation of the work programme 2014 – 2015. It does not at this stage cover all relevant aspects and it does not prejudice the outcome of the on-going interinstitutional negotiations on Horizon 2020 or internal work on cross-cutting aspects. Hence, it remains subject to change. Information, such as indicative budgets per call/area, will be provided at later stage.

# ICT in Industrial Leadership (LEIT)



# Industrial Leadership - ICT

1. A new generation of **components and systems**: engineering of advanced embedded and resource efficient components and systems
2. Next generation **computing**: advanced and secure computing systems and technologies, including cloud computing
3. **Future Internet**: software, hardware, infrastructures, technologies and services
4. **Content technologies and information management**: ICT for digital content, cultural and creative industries
5. Advanced interfaces and robots: **robotics** and **smart spaces**
6. **Micro- and nanoelectronics** and **photonics**: key enabling technologies

**HORIZON 2020**

**WORK PROGRAMME 2014 – 2015**

5. *Leadership in enabling and industrial technologies*
  - i. *Information and Communication Technologies*

**DRAFT**

*Approved by ICT "National Expert Group"*

*Pending Commission Decision*

*(European Commission Decision C(2013)XXX of 10 December 2013)*

# ICT in Societal Challenges



# Societal Challenges - ICT

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture, and forestry, marine, maritime and inland water research, and the bioeconomy
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



## Key principles for ICT R&I in the Societal Challenges

- Interoperability
  - Re-use and economies of scale
  - Demand led R&I with User involvement in all stages
  - Breakthroughs leveraging the transformative power of ICT
  - Preparation for market deployment
- +
- Information for future digital policy



Vilnius 6-8 Novembre, ~6000 delegati, unico INFN, completamente supportato da APRE, plenary e parallel dedicate ai work programme, Face2Face, etc, etc

# eInfrastructure FP7

- EUDAT <http://www.eudat.eu/>
- PRACE <http://www.prace-ri.eu>
- CHAIN <http://www.chain-project.eu>
- EGI <http://www.egi.eu>
- GEANT <http://www.geant.net>

# Simplification: Rules for Participation

## 1. A single set of rules:

- ✓ Adapted for the whole research and innovation cycle
- ✓ Covering all research programmes and funding bodies
- ✓ Aligned to the Financial Regulation, coherent with other new EU Programmes

## 2. One project – one funding rate

- ✓ Maximum of 100% of the total eligible costs (except for innovation actions, where a 70% maximum will apply for profit making entities)
- ✓ Indirect eligible costs: a flat rate of 25% of direct eligible costs

## 3. Simple evaluation criteria

- ✓ Excellence – Impact – Implementation (Excellence only, for the ERC)

## 4. New forms of funding aimed at innovation

- ✓ pre-commercial procurement, inducement prizes, dedicated loan and equity instruments

## 5. International participation

- ✓ facilitated but better protecting EU interests

# Simplification: Rules for Participation

## 6. Simpler rules for grants

- ✓ broader acceptance of participants accounting practices for direct costs, flat rate for indirect costs, no time-sheets for personnel working full time on a project, possibility of output-based grants

## 7. Fewer, better targeted controls and audits

- ✓ Lowest possible level of requirements for submission of audit certificates without undermining sound financial management
- ✓ Audit strategy focused on risk and fraud prevention

## 8. Improved rules on intellectual property

- ✓ Balance between legal security and flexibility
- ✓ Tailor-made IPR provisions for new forms of funding
- ✓ A new emphasis on open access to research publications

***Beyond the Rules: further simplified provisions in the Grant Agreement and implementing procedures to facilitate access to Horizon 2020 (e.g. common IT platform).***