

# Boosting the Digital Agenda for Europe

the contribution of Future Internet

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European Commission  
Information Society and Media

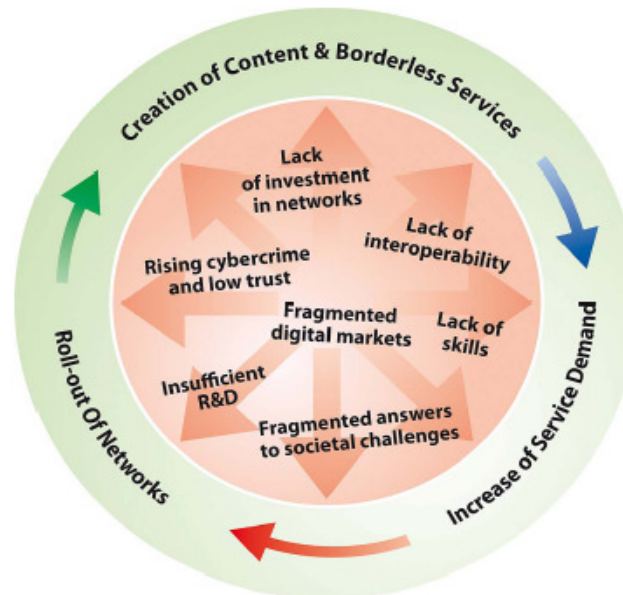
# Europe 2020: 7 flagship initiatives

Smart	Sustainable	Inclusive
<b>Innovation</b> « <i>Innovation Union</i> »	<b>Climate, energy and mobility</b> « <i>Resource efficient Europe</i> »	<b>Employment and skills</b> « <i>An agenda for new skills and jobs</i> »
<b>Education</b> « <i>Youth on the move</i> »	<b>Competitiveness</b> « <i>An industrial policy for the globalisation era</i> »	<b>Fighting poverty</b> « <i>European platform against poverty</i> »
<b>Digital society</b> « <i>A Digital Agenda for Europe</i> »		



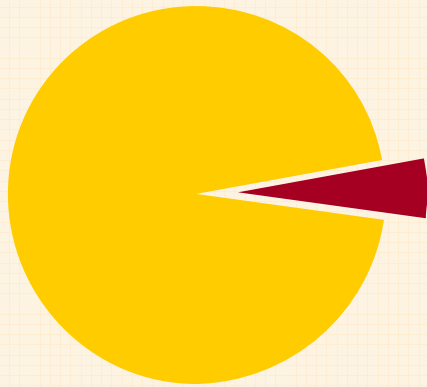
# Digital Agenda for Europe (DAE)

- Contribute to the Europe 2020 Strategy by exploiting the potential of ICT
- How? By making the virtuous circle of the digital economy work
- Attractive content and services stimulate demand, which creates the business case for investment in faster networks

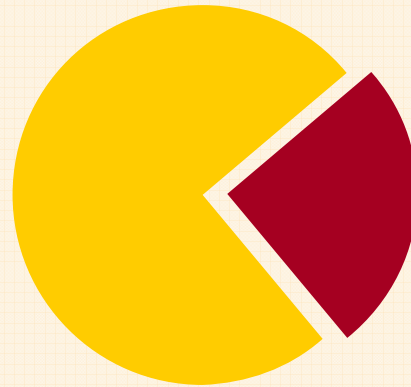


# ICT matters

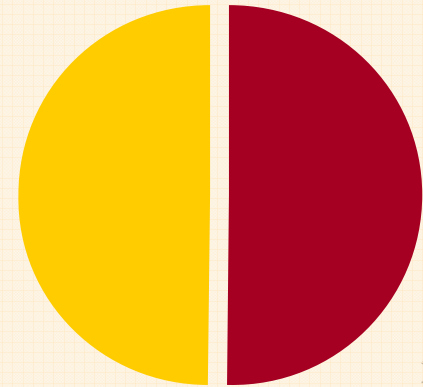
The ICT sector represents 4.8% of the EU economy...



ICT manufacturing (1% of the GDP) alone generates 25% of total business R&D



The ICT sector and investment in ICT are responsible for 50% of productivity growth

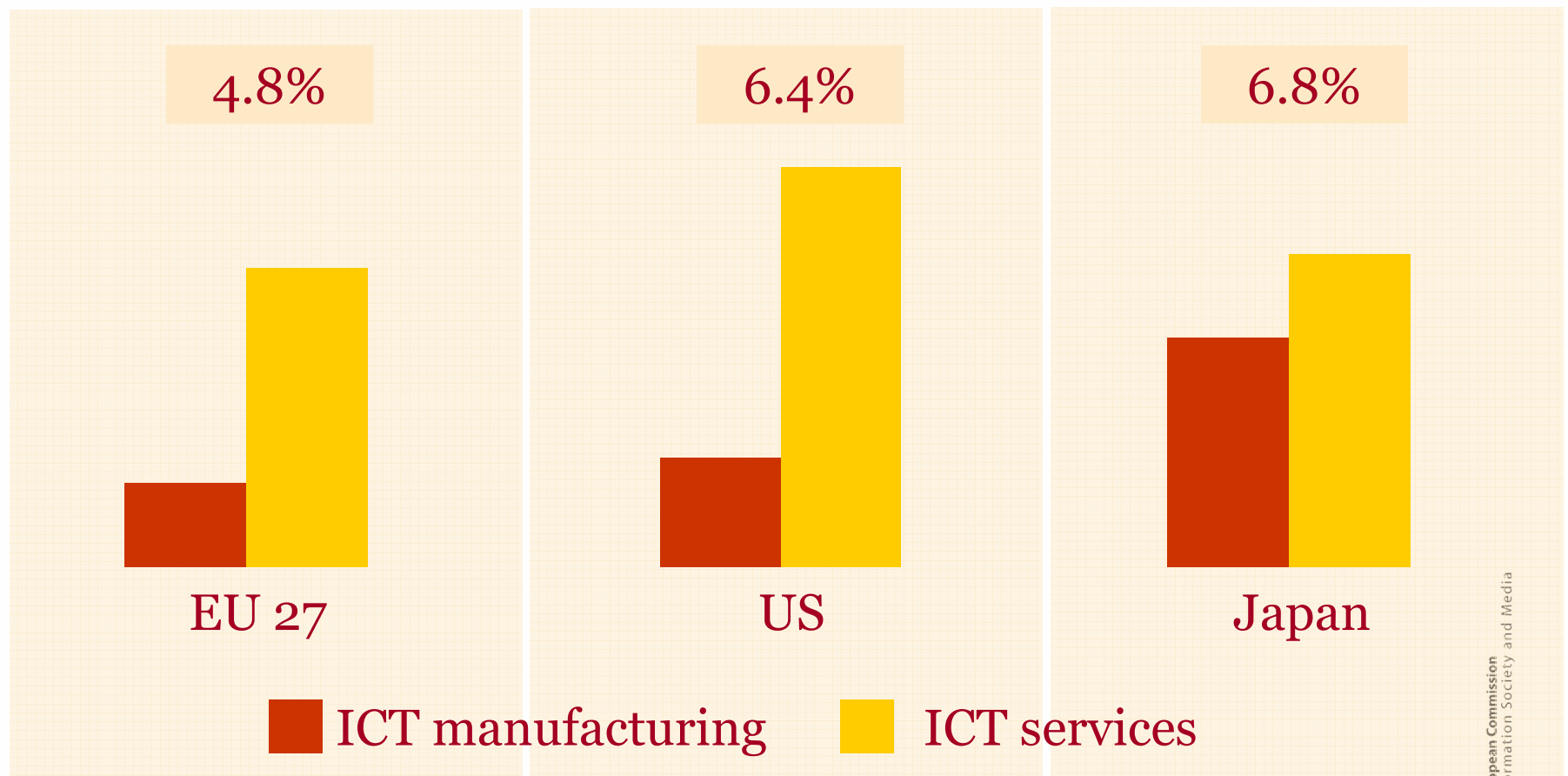


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Source: Eurostat, IPTS-JRC and EU KLEMS



# ICT value in % of GDP



Source: Eurostat, IPTS-JRC



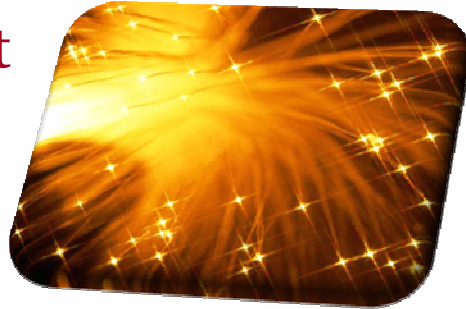
# digital economy challenges

- Fragmented digital markets
- Lack of investment in networks
- Rising cybercrime and low trust in networks
- Lack of interoperability
- Insufficient research and innovation efforts
- Lack of digital literacy and skills
- Fragmented answers to societal challenges



# DAE: 7 pillars structuring the answer

a vibrant  
digital single  
market



fast and ultra fast  
internet access

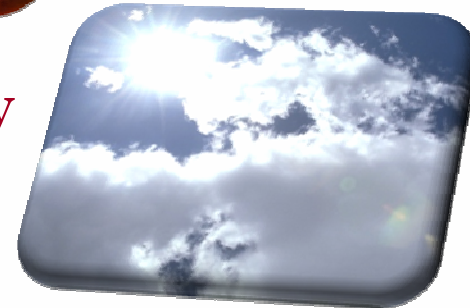
enhancing digital literacy,  
skills and inclusion



ICT-enabled benefits  
for EU society

trust and security

interoperability and standards

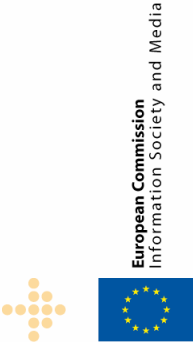


Research & Innovation

+ international dimension

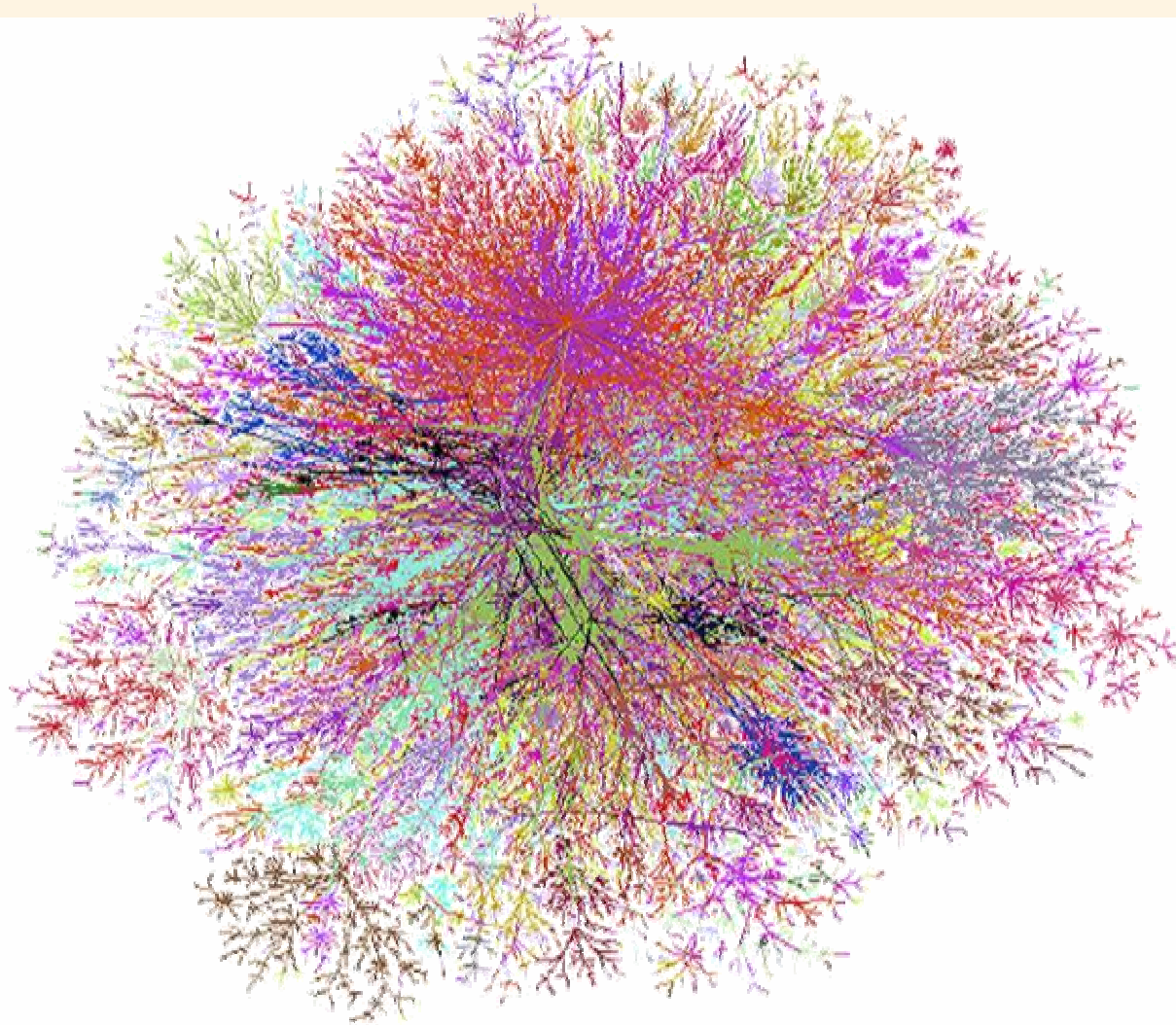


# DAE: services at the core





# nervous system of digital economy



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# an Internet enabled service economy

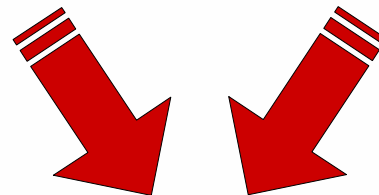
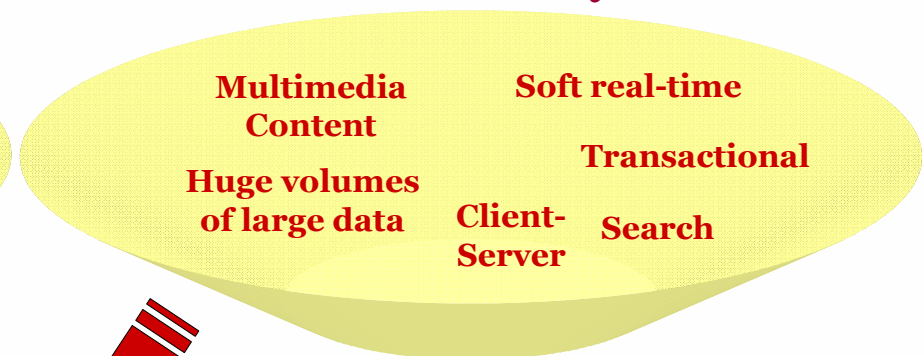


# confluence of 2 broad dimensions

## Networked objects



## Web-centric systems



*clean slate /  
evolutionary*

*Generic, open,  
trusted*

New architectures

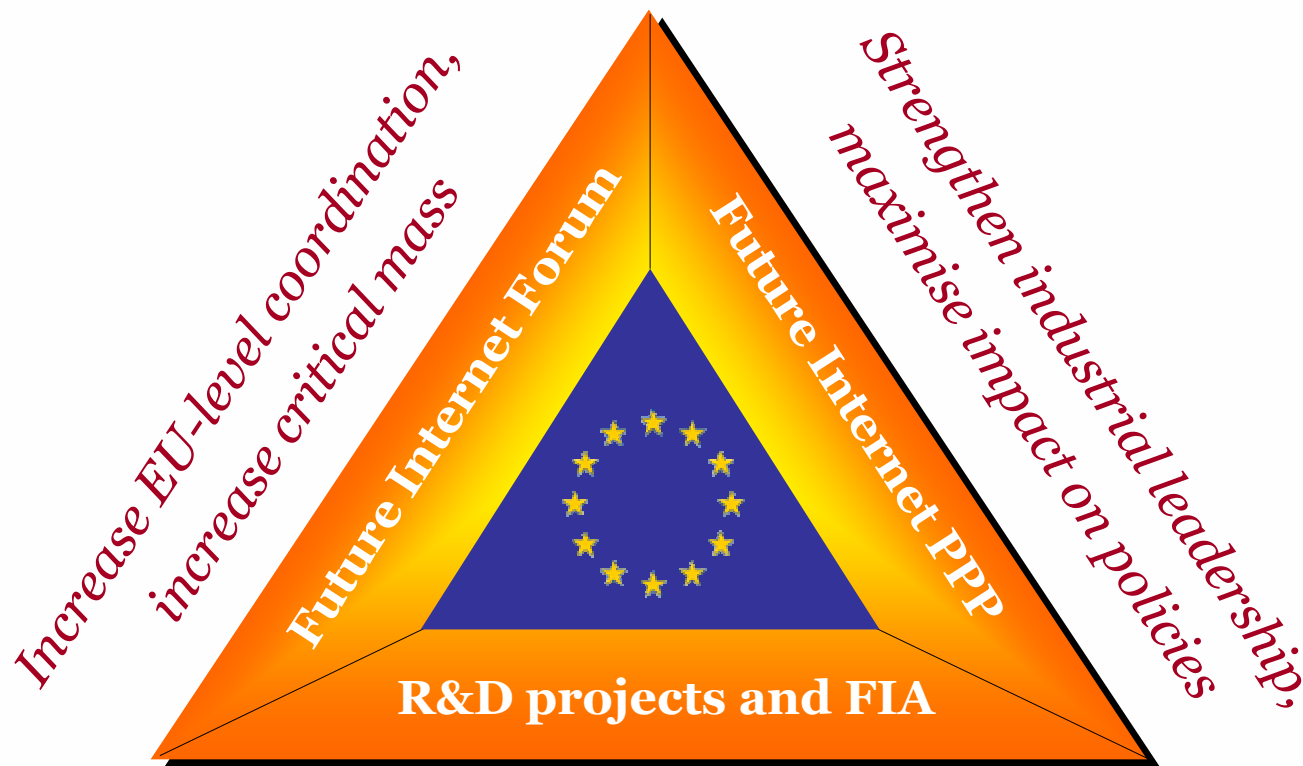
New platforms

New use scenarios

*smart-\**



# European response: 3-fold action line



*Push the frontiers of R&D,  
achieve better cross-technology synergies*



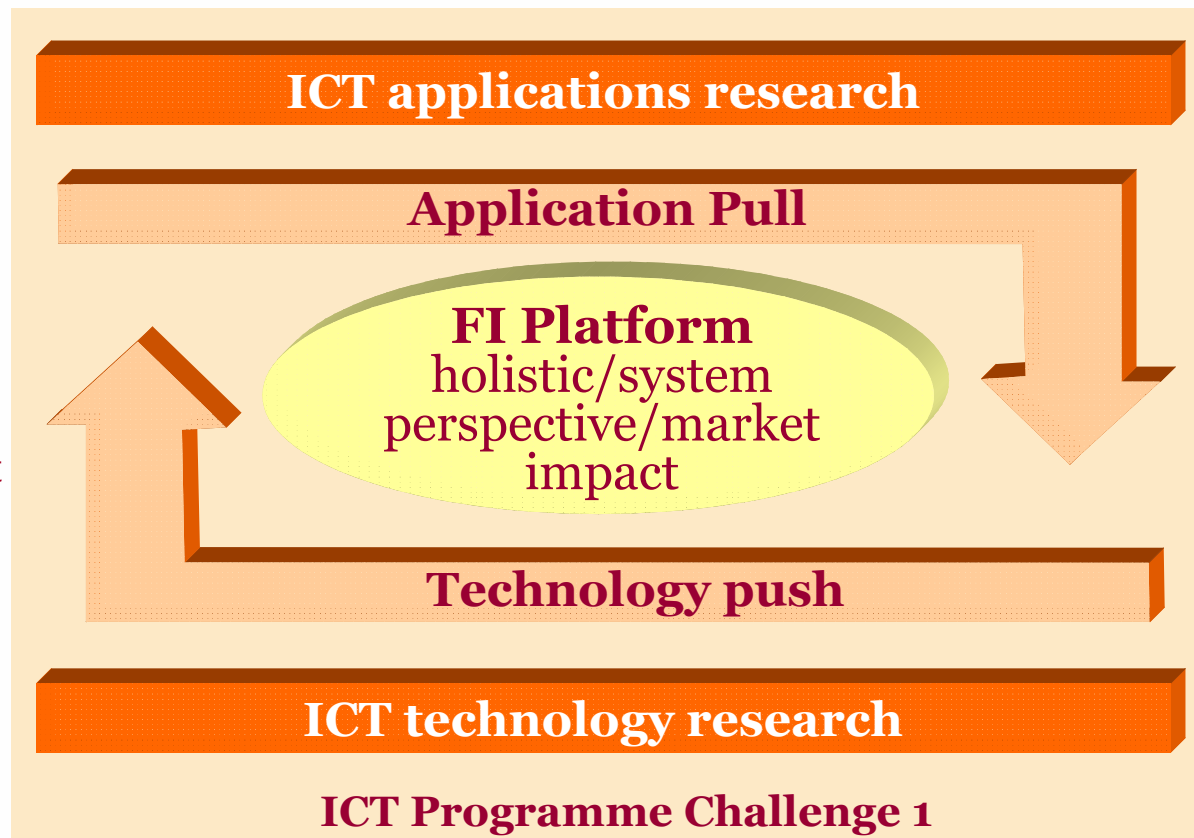
# FI PPP: leadership beyond R&D

Making the world 'smarter' and accelerate sustainable innovation

**Competitiveness  
& Innovation  
Programme  
ICT-PSP**

- + user-driven
- + social benefit
- - time to market

**European  
Technology  
Platforms**



**EU  
Policies**

Trade-offs:

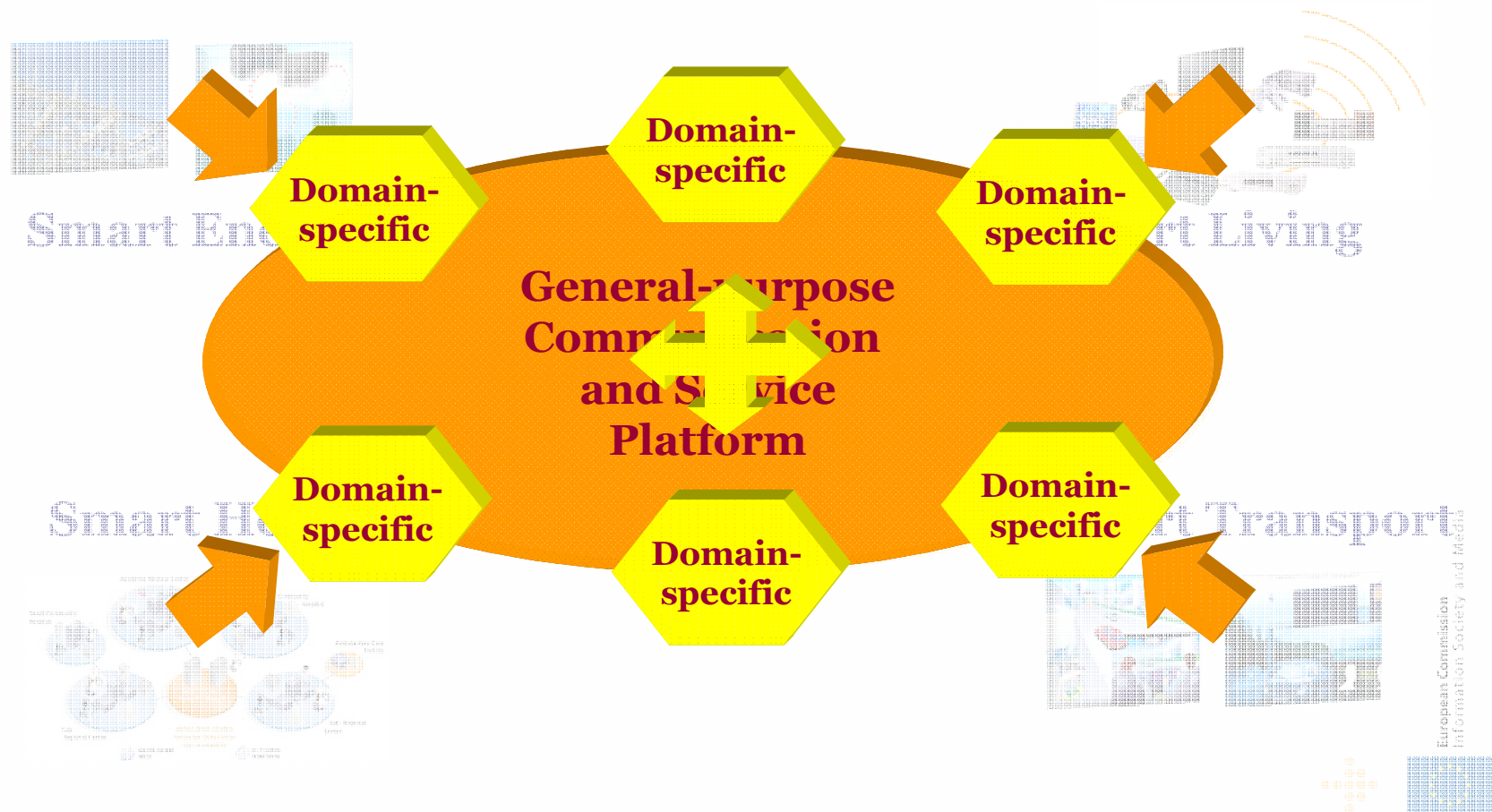
- Private/Public
- Infrastructure
- Openness
- Regulation

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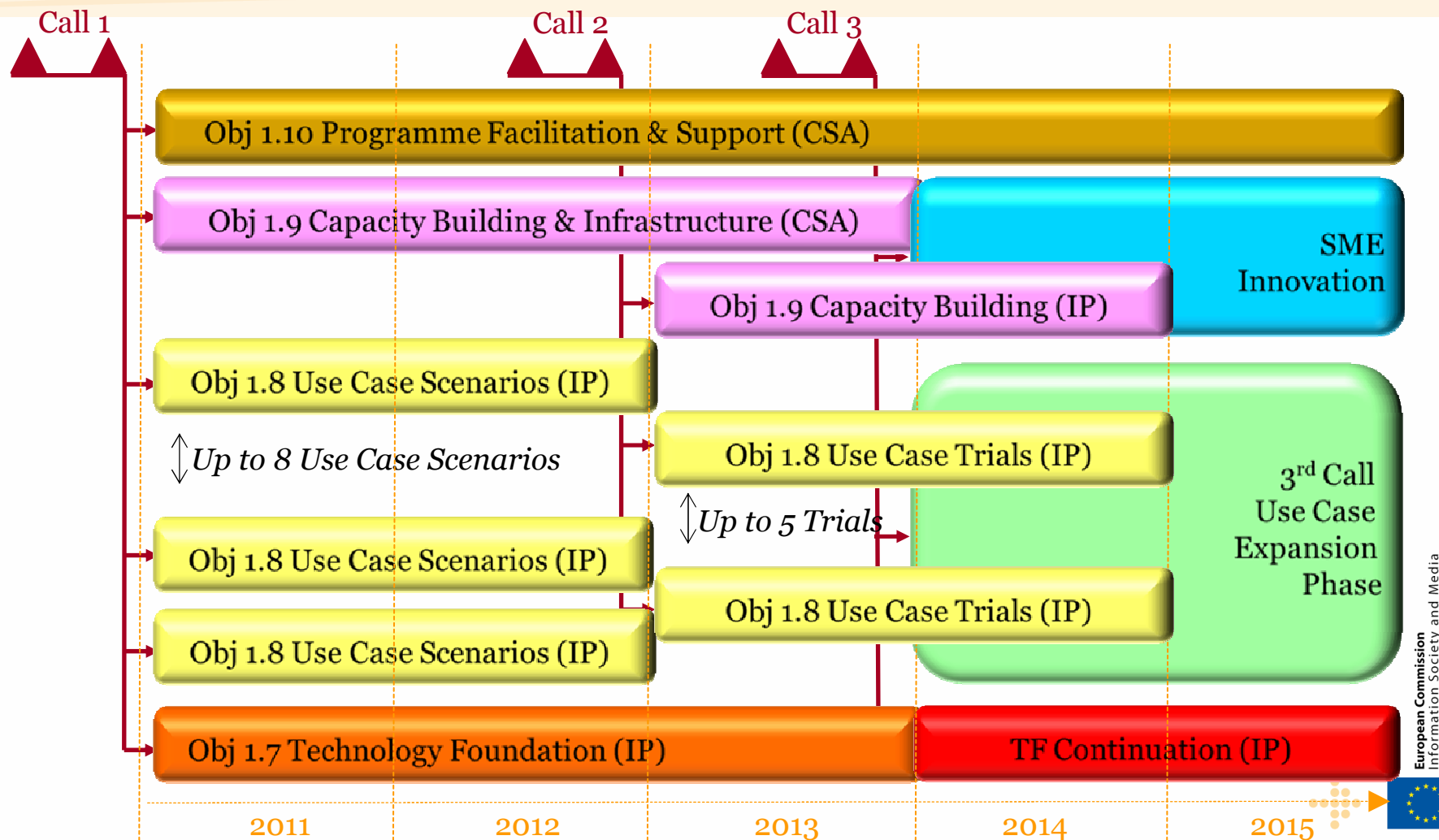
Making Europe a world leader in Future Internet technologies

# FI PPP: driven by usage scenarios

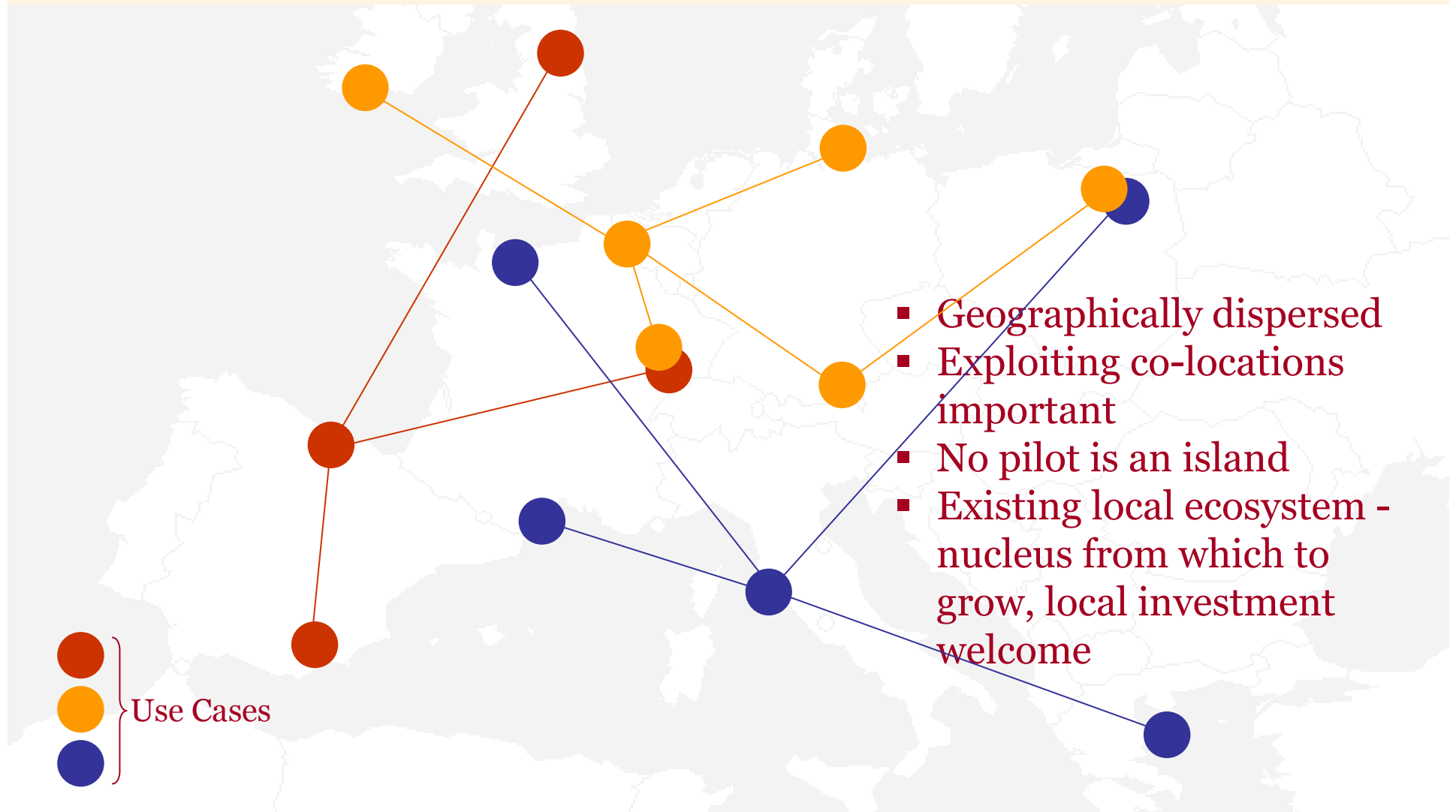




# FI PPP: programme structure



# FI-PPP: pilot architecture



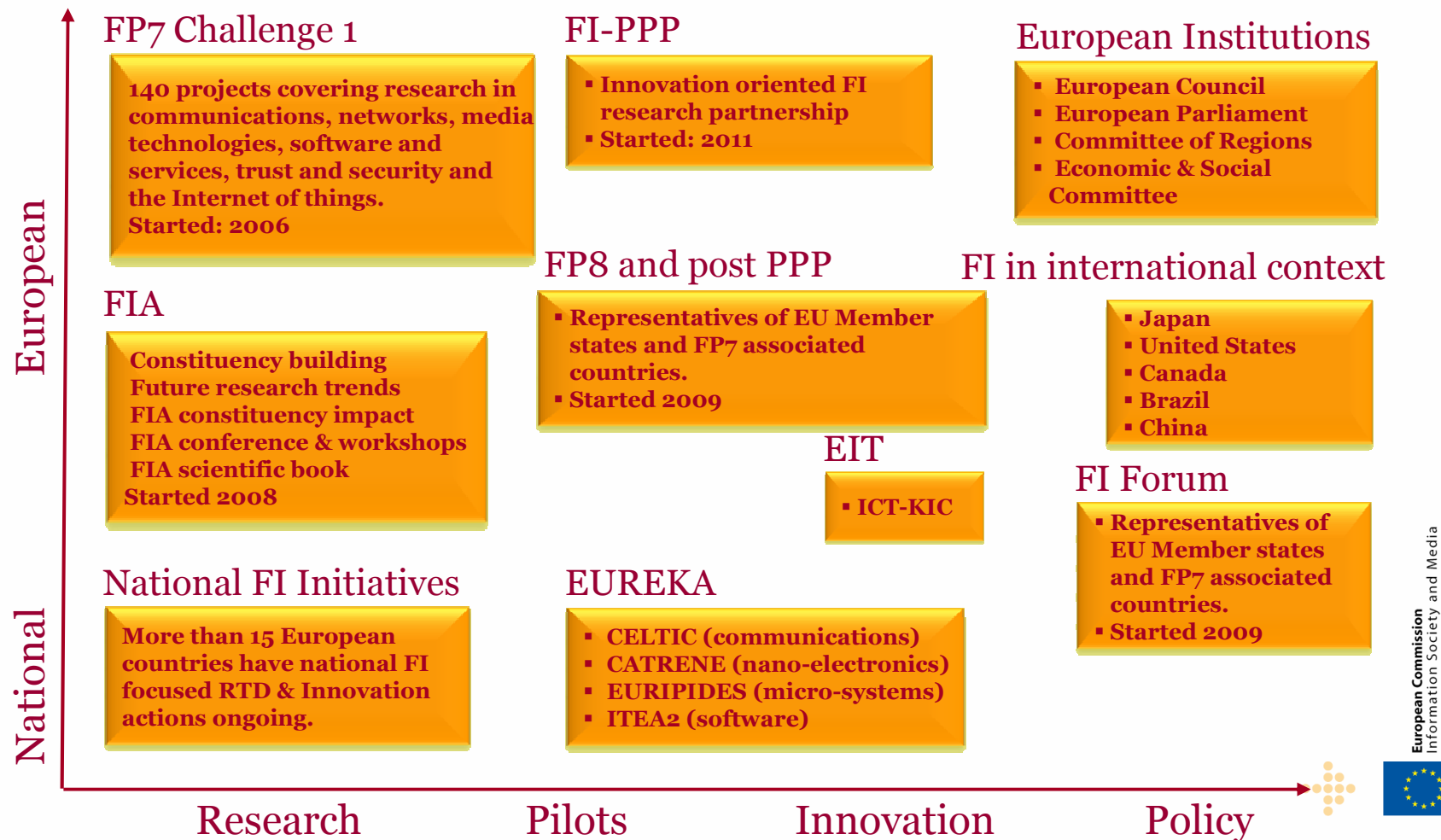


# FI-PPP: pilots driving innovation

■ environmental data in the public domain	ENVIROFI
■ making the food value-chain smarter	SmartAgriFood
■ reaping the benefits of electricity management at community level	FINSENY
■ making public infrastructure in urban areas more intelligent and efficient	OUTSMART
■ networked media including gaming	FI-CONTENT
■ increasing efficiency in international logistics value-chains	FINEST
■ using FI in personal mobility	INSTANT MOBILITY
■ making urban public areas more safe	SAFECITY



# landscape of FI activities in Europe



# global dimension of collaboration

- Global research networks (e-Infrastructures for e-Science)
  - USA + Japan + Canada + South Africa + Russia + China
  - Mediterranean - EUMEDIS
  - Latin America - ALICE
  - South-Eastern Asia - TEIN
  - Central Asia - CAREN
  - Africa - AfricaConnect (contract to be announced in May)
- Research and Innovation
  - USA (GENI) + Japan (NICT) + Canada (CANARIE) + Brazil (coordinated call) + ...



# conclusions

- The Digital Agenda for Europe, as a flagship focussed on on-line single market, will exploit the benefits of a deployed Future Internet.
- Initiatives around Future Internet give the opportunity for Europe to build on its strengths and take a leading role in services developments
- FI PPP complements research, with an innovation orientation
- Supply and demand articulation, an holistic view, a “programme like approach” and the involvement of non ICT sectors are key for the success of the initiative.
- Coordination of FI activities becomes ever more necessary (EU Research Programmes, Member States Activities, infrastructure investment), including a global dimension



# a digital agenda for Europe

“...the aim is to deliver sustainable economic and social benefits from a Single Market based on fast and ultra fast internet and interoperable applications...”

*Europe 2020*

“Every European Digital”

*Vice-President N. Kroes*



# further information

## More Info

### Next Key Events 2011:

- 3 May – Brussels  
Launch of first wave of FI PPP projects
- 17-19 May – Budapest  
7th FIA Conference

### Sites to drill further::

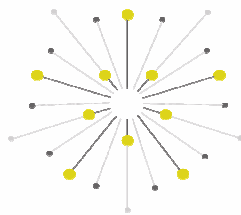
- [ec.europa.eu/foi](http://ec.europa.eu/foi)  
read about the many activities the EC undertakes on Future Internet
- [www.future-internet.eu](http://www.future-internet.eu)  
European Future Internet Portal – the community site
- [cordis.europa.eu/ict/ch1](http://cordis.europa.eu/ict/ch1)  
ongoing European FI research & development activities





**Thanks**

**Obrigado**



FUTURE  
INTERNET  
PPP

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