

EU financial support to the Digital Agenda

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Content

- ➔ ● The Digital Agenda for Europe
 - One policy framework,
 - Two major EU funding streams so far
 - A third in the build up phase
- Support to R&D
 - ICT in FP7, achievements so far and future plans
- Support to best use of ICT innovations
 - ICT in the CIP, achievements so far and future plans
- What next?



Europe 2020

- Three priorities
 - Smart growth
 - An economy based on knowledge and innovation.
 - Sustainable growth
 - More resource efficient, greener & competitive economy.
 - Inclusive growth
 - high-employment economy delivering economic, social and territorial cohesion.



Smart Growth: Three flagships

- Innovation Union
 - re-focus R&D & innovation on the challenges facing our society
- Youth on the move
 - performance & attractiveness of higher education inst.
 - raise the overall quality of all levels of education
- Digital Agenda
 - Sustainable economic and social benefits from a Digital Single Market

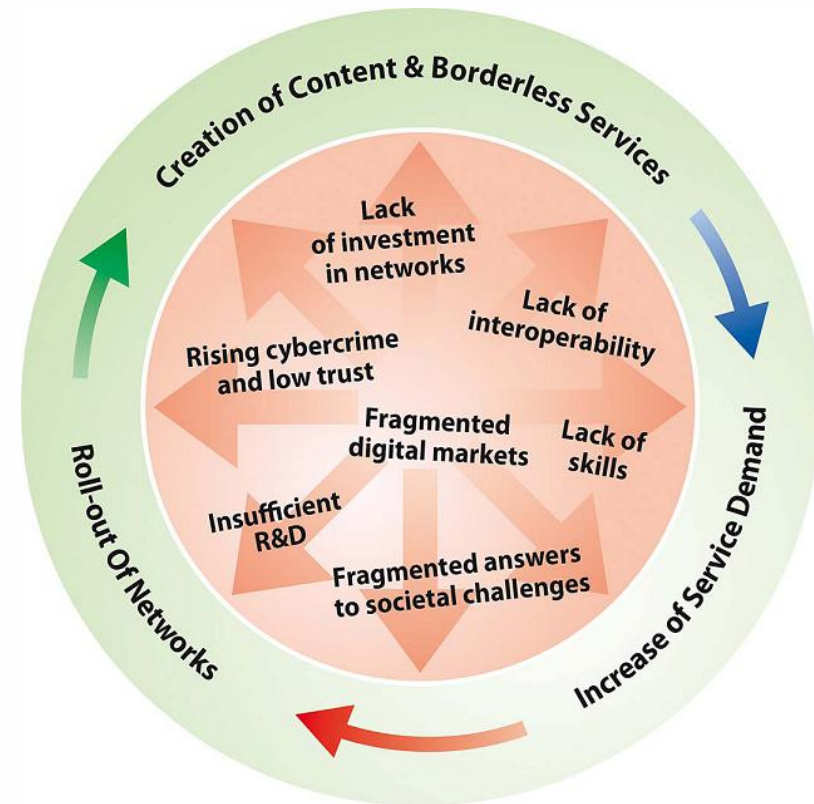


The Digital Agenda for Europe

(Communication issued in May 2010)

Overview

- A strategy for making the best use of (ICT) to speed up economic recovery and lay the foundations of a sustainable digital future.
- Strategy should remove current obstacles to create a virtuous cycle in which ICT stimulates the EU economy.



The Digital Agenda for Europe

Priority areas for action

The Agenda outlines seven priority areas for action:

1. Creating a Digital Single Market
2. Improving the framework conditions for interoperability between ICT products and services
3. Boosting internet trust and security
4. Guaranteeing the provision of much faster internet access
5. Investing more in R&D and ensuring market uptake
6. Enhancing digital literacy, skills and inclusion
7. Applying ICT to address social challenges such as climate change, rising healthcare costs and the ageing population.



The Research & Innovation Pillar in the DAE

- Strengthen investment
 - Double public investment on ICT R&D by 2020
 - Leverage more private investment through
 - public-private partnerships, pre-commercial procurement
- Focus, coordinate & pooling of resources with MSs & industry
 - Greater focus on demand- and user-driven partnerships
 - addressing Europe's societal challenges
- + Open 'light and fast' schemes
 - Notably for SMEs, young researchers, young entrepreneurs,..
- Set up real-life scale pilots
 - testing innovative and interoperable solutions in areas of public interest
- Invest in capacities and skills



One policy framework, Two major EU dedicated funding instruments

- Legislation, regulation
- Coordination, consensus-building

- Financial support (so far)
 - **FP7: master & shape ICT development**
 - **CIP: ensure wider uptake & better use of ICT**
 - + Regional and Structural Funds,...



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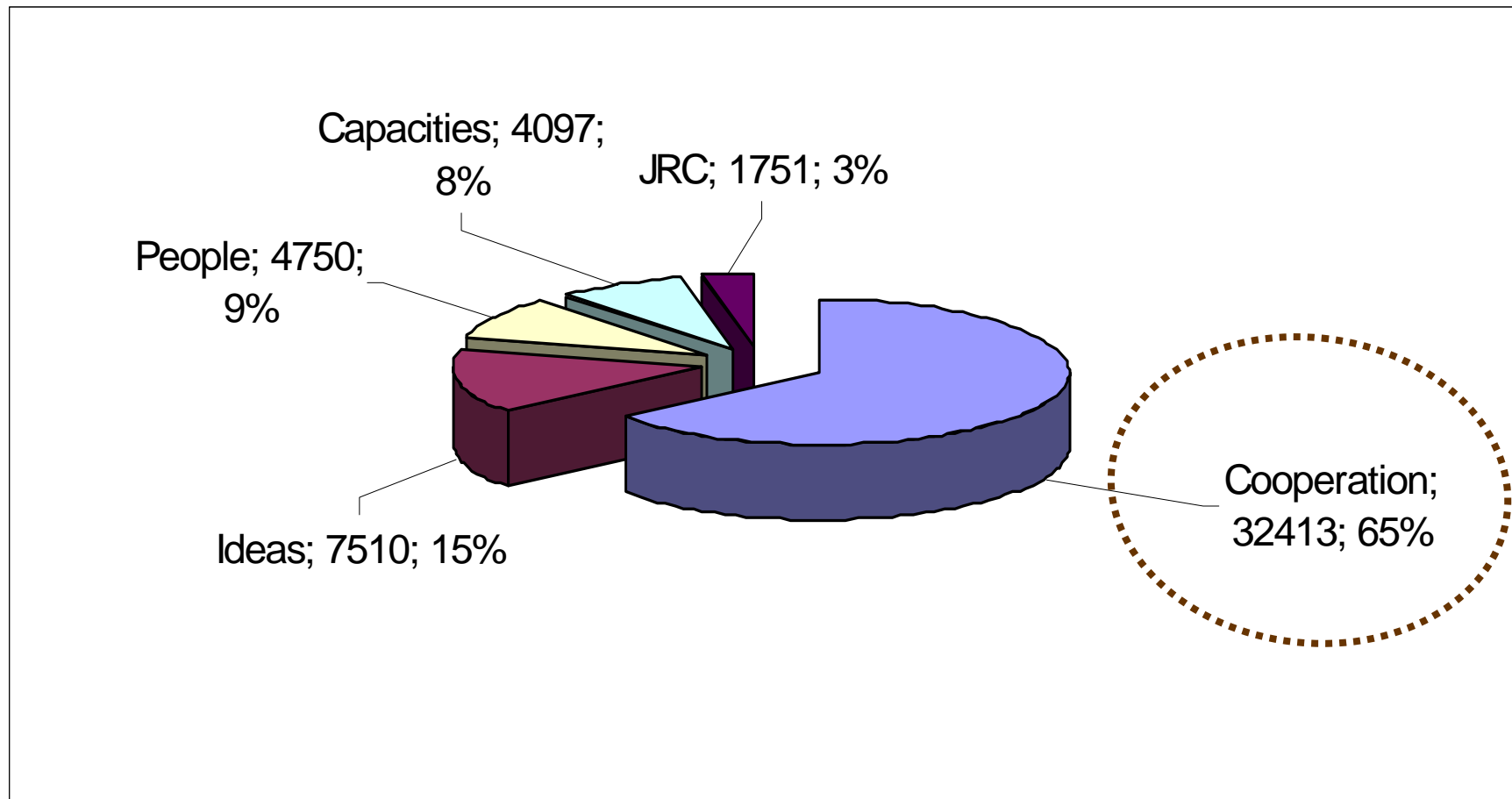


ICT in the FP: Some key figures

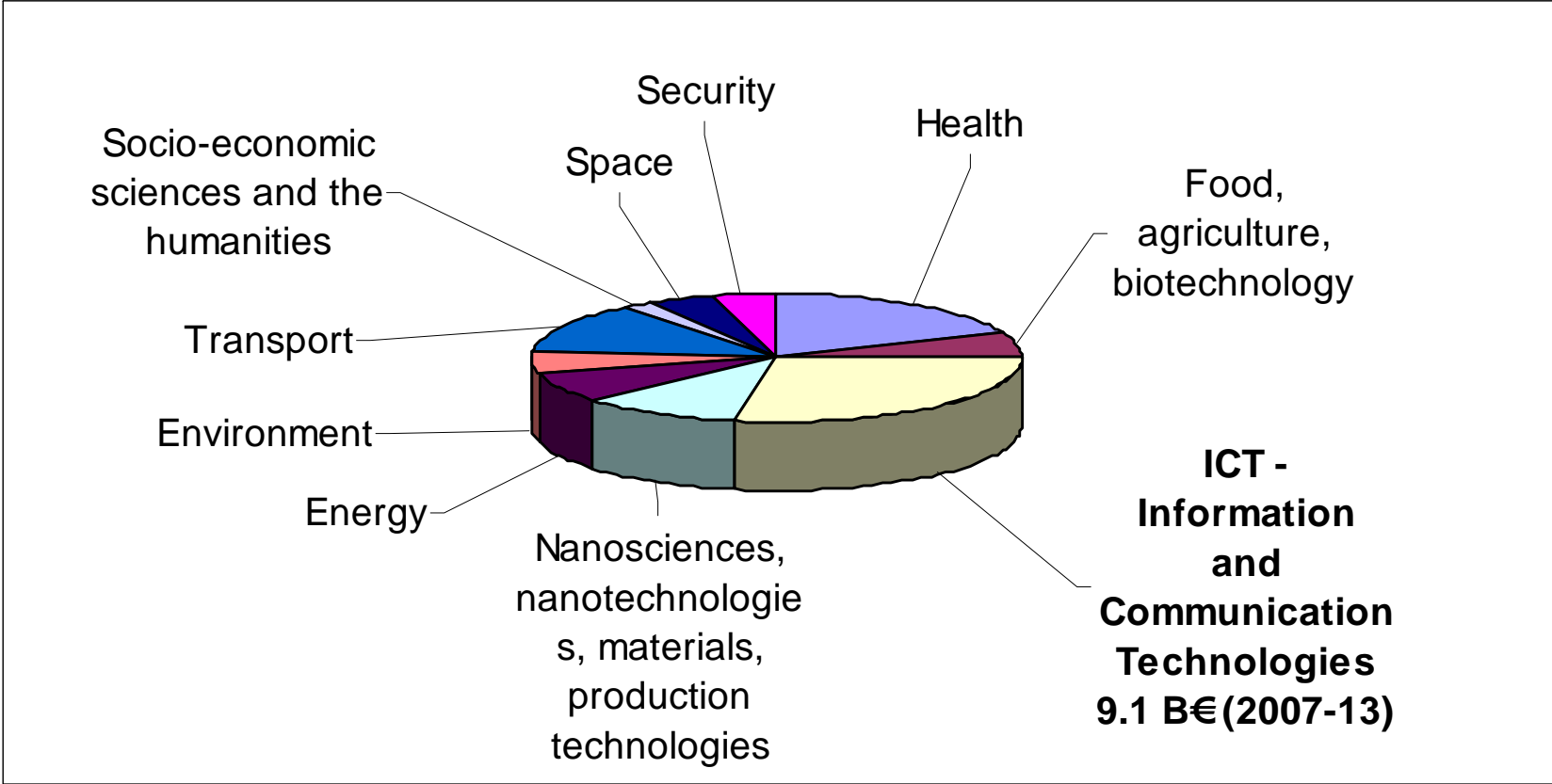
- ICT in the FP supports collaborative R&D projects
 - Bringing together industry & academia from at least three M&AS
 - Project size varies between 2M€ and 20 M€ of funding
 - 4 to 20 partners per project
- 40% of participants are from industry, 45 % academia,
 - 15% is public or private non profit organisations (hospitals, etc..)
- Supports between 15000 & 17000 researchers and engineers/year
- In FP7 (2007-2010),
 - ICT supports ~ 5000 distinct organisations
 - through ~14000 participations
 - in more than 1100 projects
 - 16 % of participations are from SMEs



Seventh EU Framework Programme for RTD: total ~50 B€ 2007-13

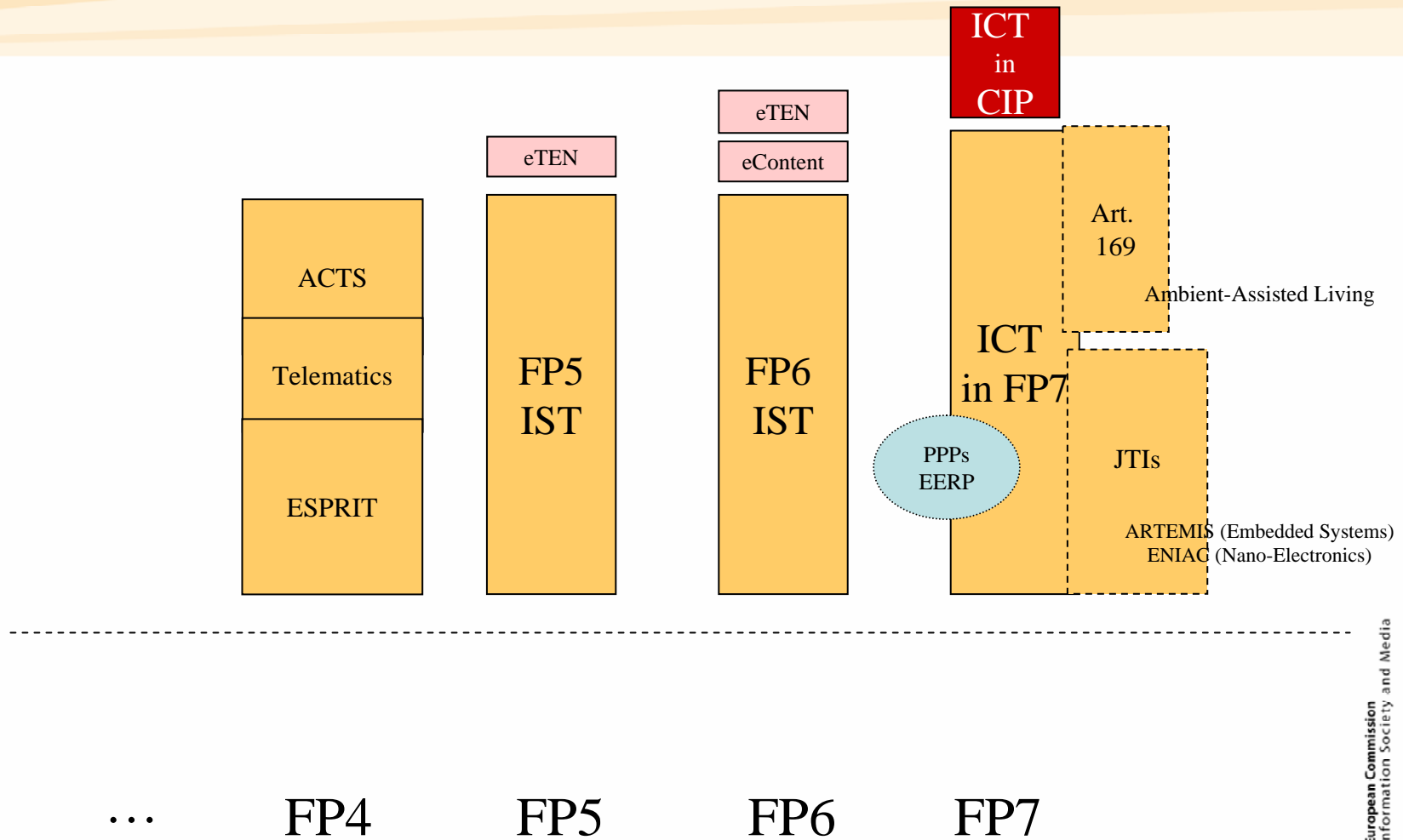


FP7 Cooperation Programme



European Commission
Information Society and Media

EU Framework Programmes evolution: Complementary instruments and wider mobilisation of resources



FP7/ICT Budget Profile: 70% increase in period 2011-13



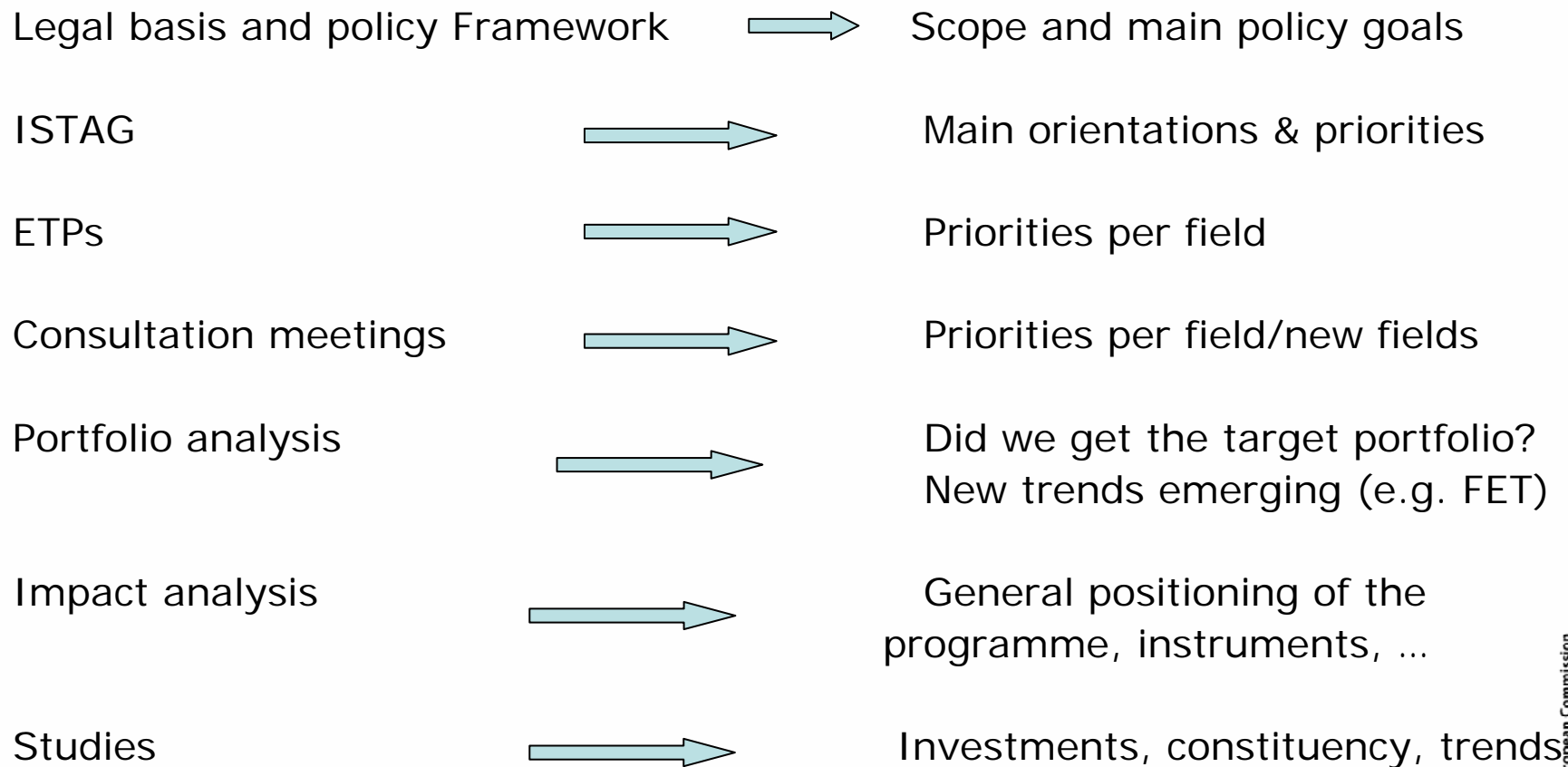
M€	2007	2008	2009	2010	2011	2012	2013	TOTAL
FP7/ICT decision	1.111	1.131	1.154	1.177	1.310	1.499	1.668	9.050
EFTA countries	24	24	25	25	28	32	36	194
FP-associated countries	54	62	48	39	44	50	56	352
TOTAL	1.189	1.217	1.227	1.241	1.382	1.582	1.760	9.597

ICT in FP7 : Approach & structure

- Focus on a limited set of Challenges that
 - respond to well-identified industry and technology needs
 - and/or target specific socio-economic goals
- A Challenge is addressed through a limited set of Objectives
 - that form the basis of Calls for Proposals
- An Objective is described in terms of
 - target outcome
 - expected impact on industrial competitiveness, societal goals, ...
 - Funding schemes



Where do we get the input from?



WP2011-12: Setting priorities

- Reinforce Europe's strongholds
 - Europe's industry and technology position
- Seize new opportunities
 - Technology and use driven innovations
- Ensure that interventions are significant and that Europe has the capacities to implement
 - high-risk, medium-to-long term, trans-national collaborative research



Significance of the intervention

- Total public investment in ICT RTD in the Union: 5 -7 B€/year
 - Public investment: building knowledge capacities and risk sharing with industry
- ICT in FP7: ~1 B€/year. 15-20% of total public investment
- Private investment in ICT research: 30-35 B€/year
 - Large part of private investment (> 90%) concentrated on “development” (commercial prototypes).
- Community funding logic
 - medium to long term collaborative research requiring risk sharing with industry and the academic research community.
 - Community support represents ~50 % of total EU effort



Europe's weakness in a nutshell

- Computing and packaged software
 - US dominance, several opportunities missed
 - ...but EU has still world-class expertise
- Internet technologies
 - Lack of global EU companies in Web-based services, ...
 - ...but a new breed of EU companies is emerging at national level..
- Consumer electronics
 - ...but, EU has excellent content industry (games, broadcasting..)

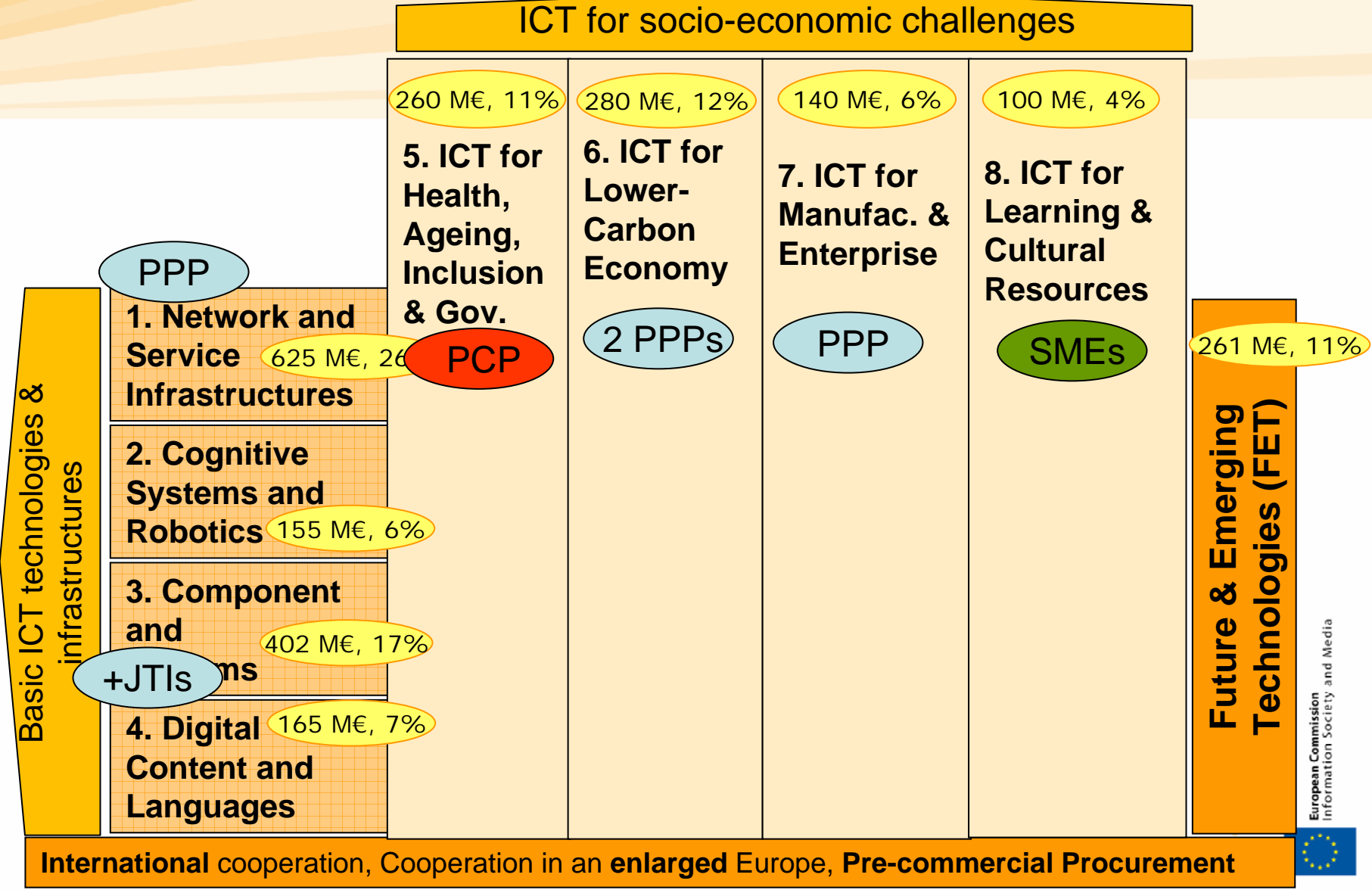


Seize new opportunities for Europe

- New technology paths
 - Future Internet: of things, of services
 - Alternative paths to components and systems
 - Technology convergence
- Innovation from ICT use
 - ICT for a low Carbon economy
 - Health, well being and ageing
 - digital content and knowledge creation and use
 - Business and manufacturing



FP7/ICT Programme Structure



Changes since 2007-08

+ JTIs: 205 M€ (+35 %)

Challenge	WP11-12			WP11-12	
	WP11-12	WP09-10	vs 09-10	WP07-08	vs 07-08
Ch1	625	540	15,74%	585	6,80%
Ch2	155	153	1,31%	167	-7,20%
Ch3	400	375	6,67%	434	-7,80%
Ch4	165	126	31%	203	18,7%
Ch5	256	234	9,40%	205	24,9%
Ch6	280	189	48,14%	159	76,10%
Ch7	140	52	169,23%	NA	NA
Ch8	100	88	13,6%	90	11,1%
FET	260	171	52%	185	40,50%
Total	2381	1928	23,5%	2028	17,40%

ICT in FP7 - Where do we stand?

- ICT Calls for proposals under WP 2007-08 and WP 2009-10
 - >4200 M€ of EU funding committed
 - >1100 projects launched or to be launched
 - >10000 participations
 - >3600 distinct organisations participating
- Calls under two Joint Technology Initiatives (Artemis and Eniac) and the Ambient Assisted Living Joint Programme (AAL) in 2008, 2009 and 2010



ICT in FP7 – What is head of us

- ICT WP 2011-12
 - 2422 M€ funding
 - Three major calls for proposals
 - + Calls for PPPs, FET open
- ICT WP 2013
 - >1500 M€ funding
- JTIs + AAL WPs 2011, 2012, 2013



ICT in FP7: JTIs +AAL so far

- Joint Technology Initiatives (JTIs) in ICT
 - Two “Joint Undertakings” with pooling of resources from EU, MSs and Private sector
 - Have their own budgets and work programmes
 - Address: Embedded systems, nano-electronics
 - Total budget ~4.5 B€ including ~850 M€ from the FP
 - Three calls so far and 27 projects selected
- The AAL joint programme using Art 169
 - Addresses ICT for ageing
 - EU + MSs funding of 350 M€ (50% EC, 50% MSs)
 - Three calls so far: 35 projects selected



Next Calls for Proposals - Deadlines

- ICT Call 7.....18 Jan 2011
- EU/Brazil coordinated call18 Jan 2011
- FET Flagship Initiatives 2 Dec 2010
- EU/Russia coordinated call12 Nov 2010
- FET Open Continuously open

- Future Internet PPP Call 1 2 Dec 2010
- Energy-Efficient Buildings, Green Cars,
Factories of the Future PPPs Call 2010... 2 Dec 2010



Content

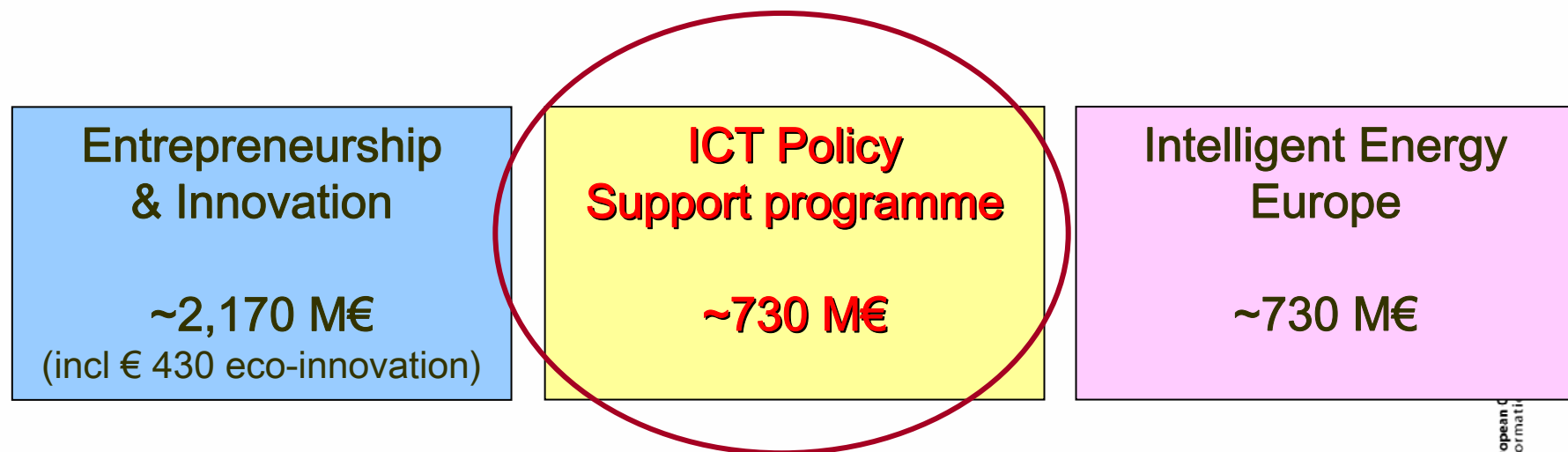
- The new policy context for ICT R&I
 - Europe 2020, Digital Agenda for Europe, Innovation Union
- ICT R&I in the Digital Agenda for Europe
 - Where do we stand? What to do? How to do it?
- ICT in FP7
 - Achievements so far, WP2011-12
- - ICT in the CIP
 - Achievements so far, WP2011



Competitiveness & Innovation Programme (CIP)

The CIP:

- a (new) programme to boost growth and jobs in Europe
- budget ~3.6B€ (2007-2013)
- Three pillars (specific programmes)



CIP: Council/Parliament Co-decision



ICT in the CIP: What is it?

- Support to uptake of ICT innovations
 - A direct policy support programme
- Focus on areas of public interest
 - Energy efficiency, health and ageing, cultural heritage and digital libraries, mobility, smart cities, government/administration
- Support large scale pilots
 - e.g. wide validations of prototype services, demonstrations of interoperability ...
 - Users in the lead



What is a CIP pilot?

Example: Establishing Cross-border interoperability of Electronic Health Records and ePrescriptions



ICT in the CIP, where do we stand?

- Budget profile

Year	2007	2008	2009	2010	2011	2012	2013	Total
Budget M€	58	52	105	113	120	135	149	732



ICT in the CIP Implementation

- **WP 2007-8-9:** Three main calls for proposals for 200 M€
 - 65 pilots launched and 21 thematic networks (out of 339 proposals)
- **WP 2010:** 4th call for proposals closed on 1 June for 107 M€
 - Around 30 pilots and 5 thematic networks expected
- Main themes covered in WP 2007-10 (~ 100 pilots for 300 M€)
 - eHealth and Inclusion; eGovernment; ICT for EE; Digital Libraries; automatic translation; innovative internet-based services
- In addition, 35 M€ have been dedicated to other measures
 - benchmarking/surveys; studies; promotion and support to conferences...

- **WP 2011:** To be decided in the coming weeks
 - Continuity, more focus on themes for call for proposals: 114 M€
 - Other measures: 10 M€

For more info: http://ec.europa.eu/ict_psp



Next steps: The trends

- Clarity of goals and strategy
 - Higher impact on competitiveness/society
 - Societal challenges: demand-drive
 - Mastering of key technologies underpinning growth
 - EU added value
- Simplification
 - Procedures but also of programmes/instruments
 - To attract wider constituency, smaller entities
- Work across silos
 - research-innovation-policy priorities
 - between themes and disciplines
 - EU-MSs, public-private



Thank you!

- European funding on the web:
 - <http://cordis.europa.eu>
 - <http://cordis.europa.eu/fp7>
 - <http://ec.europa.eu/comm/research/future/>
- Information Society and Media:
 - http://ec.europa.eu/information_society/
 - <http://cordis.europa.eu/fp7/ict/>

