

The Innovation Union and the Green Paper:

Towards a Common Strategic Framework for EU Research and Innovation Funding

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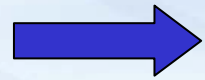
DG INFSO
Unit D1 Future Networks
Budapest, 18 May 2011



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Outline



- Context
- Green Paper on Common Strategic Framework
- Questions for consultation
- What happens next?



Europe 2020 Strategy

- Objectives of **smart, sustainable and inclusive growth**
 - headline targets, including **3% of GDP** invested in R&D
- Includes the **Digital Agenda for Europe** flagship
 - ICT research and innovation as a central pillar
- Includes the **Innovation Union** flagship
 - key conditions to make Europe attractive for research & innovation
- Includes the **Industrial Policy** flagship
 - ICT as a Key Enabling Technology
- Innovation endorsed by February 2011 European Council as key to future growth and jobs



The general context- Europe 2020: 7 flagships

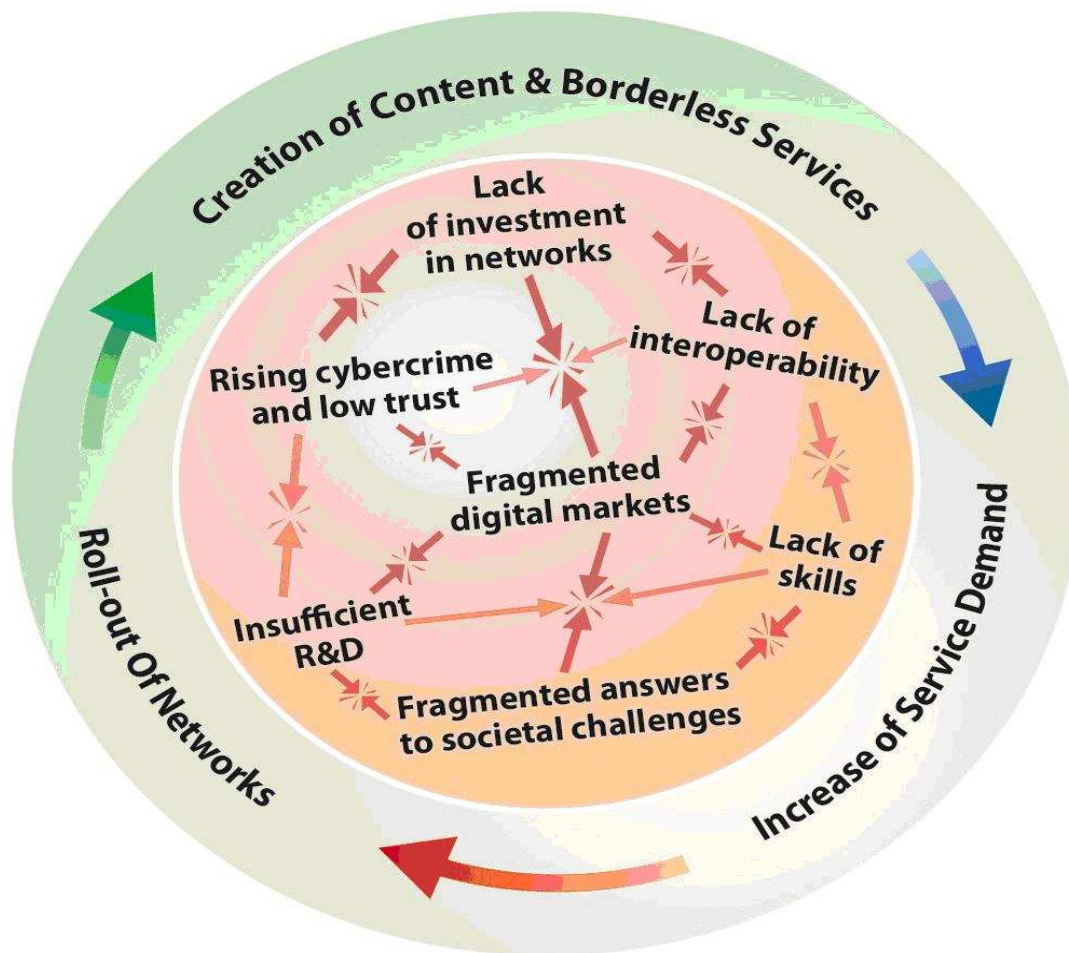
Smart Growth	Sustainable Growth	Inclusive Growth
<u>Innovation</u> « <i>Innovation Union</i> »	Climate, energy and mobility « <i>Resource efficient Europe</i> »	Employment and skills « <i>An agenda for new skills and jobs</i> »
Education « <i>Youth on the move</i> »	<u>Competitiveness</u> « <i>An industrial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



The Innovation Union

- Completing the **European Research Area**
 - joint programming with Member States and regions ...
- Improving framework conditions for business to innovate
 - single EU Patent, improved access to capital, ... speed up setting of interoperable standards, making full use of public procurement ...
- Launching '**European Innovation Partnerships**' between the EU and national levels
 - to speed up the development and deployment of the technologies needed to meet the challenges identified ...
- Strengthening and further developing the role of EU instruments to support innovation
 - structural funds, rural development funds, R&D framework programme, CIP ... EIB ... and streamline administrative procedures ...
- Promoting **knowledge partnerships** and strengthen links between education, business, research and innovation
 - people, institutions, infrastructures ...

« EVERY EUROPEAN DIGITAL » A Digital Agenda for Europe



A vibrant digital Single Market

More interoperability and better standards

Greater trust and security

Fast and ultrafast internet access

Greater investment in R&D&I

Enhanced digital literacy, skills and inclusion

ICT-enabled benefits for EU society



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The Digital Agenda: Seven Action Areas

- A vibrant digital single market
- Fast and ultra fast internet access
- Research and innovation
- Trust and Security
- Interoperability and standards
- Enhancing digital literacy, skills and inclusion
- ICT-enabled benefits for EU society



Future Inter(Net)work: Policy Drivers

Communication on the European Digital Agenda: May 2010

Communication on Next Generation Broadband Access: June 2010

Support for “eGovernment”:

Education, learning , training

Healthcare, personal health systems

Sustainable transport (virtual...?)

Energy efficiency and environmental sustainability

Future Internet: scalable, reliable, secure

High bandwidth, low latency, mobile

Broadband for all, everywhere

Support for European network (equipment) industry

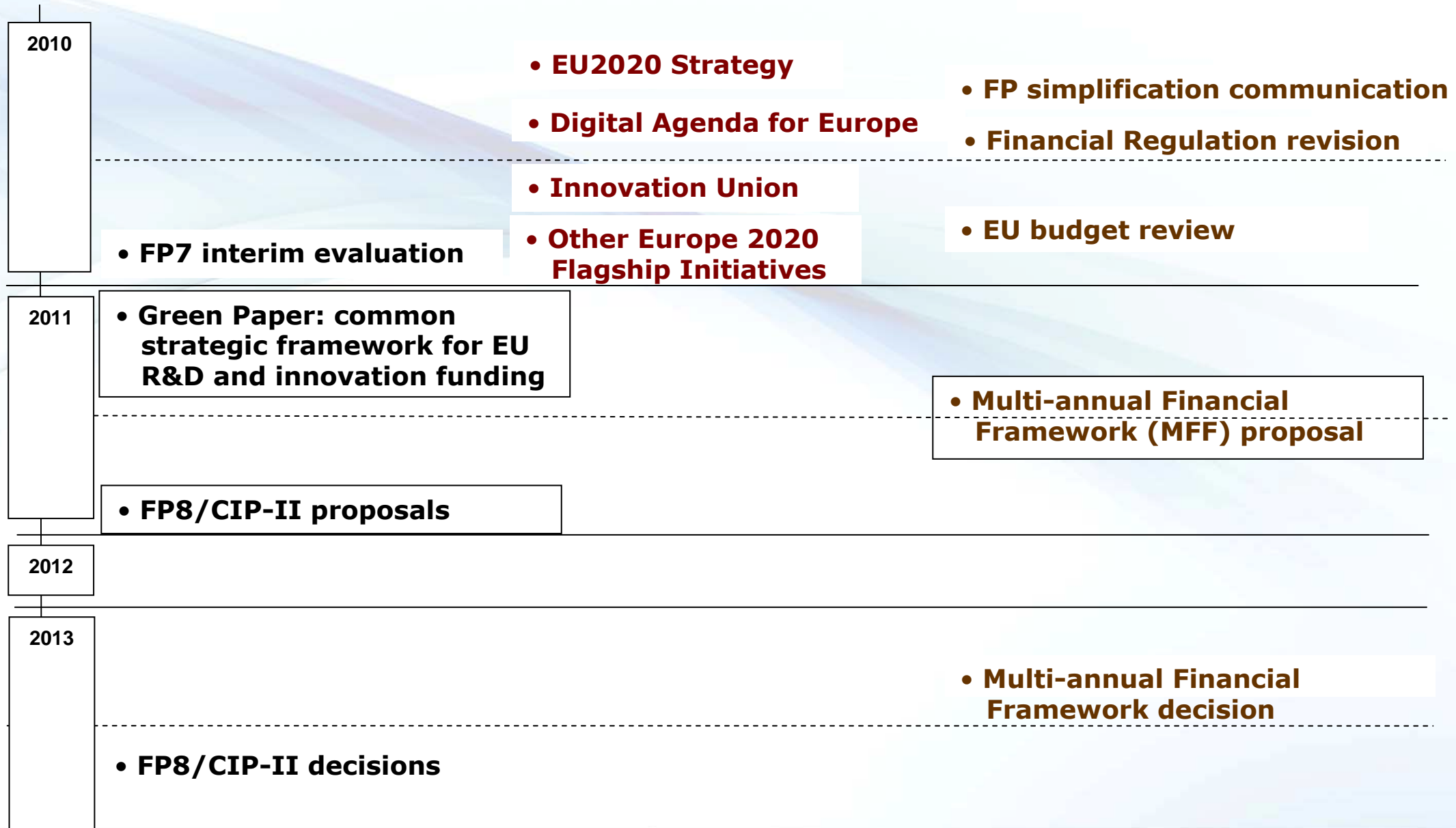
Future services will be connected services!



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Timeline



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What is the Green Paper?

- **Consulting on major improvements** to future EU research and innovation funding for the next EU Budget (2014+)
 - Proposed to cover the FP, CIP and EIT in a Common Strategic Framework
 - With a coherent set of funding instruments including innovation
 - And simplification of procedures and rules
- **Seeking stakeholder views** ahead of the Commission's formal proposals (to be presented by end 2011)
 - On the proposed improvements
 - On the priorities of the Common Strategic Framework



How to contribute

- **Green paper is addressed to all stakeholders**
 - Research & business, public & private, large & small, experts & general public, individuals & organisations, etc.
- **How to respond**
 - Online questionnaire (*quick to complete*)
 - Submission of written responses (*for detailed comments*)
 - Blog (*for online discussion and debate*)
- **Deadline for contributions: 20 May 2011**



Why a Common Strategic Framework?

- Increasing IMPACT -

- **FROM** different priorities in each programme and initiative
 - **TO common strategic priorities**, focusing on societal challenges, competitiveness and research excellence
- **FROM** gaps between the stages (R&D, demonstration, market take up, etc)
 - **TO coherent support for projects and organisations** across the innovation cycle



Why a Common Strategic Framework?

- Achieving SIMPLIFICATION -

- **FROM** a large variety of funding schemes within and between programmes
 - **TO a rationalised toolkit** of schemes across the Common Strategic Framework
- **FROM** different rules in each programme and initiative
 - **TO more standardised rules** across all initiatives – which meet the different needs and with flexibility where needed
- **FROM** multiple websites, guidance documents, applications
 - **TO common entry point**, one stop shop, common IT platform



Outline

- Context
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- ➔ • Questions for consultation
- What happens next?



Questions for consultation ...

- Working together to deliver on Europe 2020
 - e.g. where to act at EU level? ...
how to best pool / leverage resources? ...
- Tackling societal challenges
 - e.g. how focus on societal challenges affect balance
curiosity-driven research / agenda-driven activities? ...



... Questions for consultation

- Strengthening competitiveness?
 - e.g. how to strengthen industrial participation? ... JTIs? PPPs? ETPs? ... how to support SMEs? ... open schemes? ... pre-commercial procurement? ...
- Strengthening the science base and the ERA
 - e.g. ERC? ... Marie Curie actions? ... research infrastructures? ... int'l cooperation? ...



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First feedback on the Green Paper (ISTAG, ETPs, KETs, position papers..)

- Better articulate support to research and to innovation
 - R&I for society
 - R&I for competitiveness
 - R&I for science
- Greater usage of open, simplified, bottom-up research and innovation grants
- Support large roadmap-based initiatives (possibly implemented through public-private partnerships for R&I)
 - innovation partnerships (including research, innovation) to speed up innovations that address a major societal challenge, and gain competitive advantages for growth and job creation in Europe
 - industrial R&I roadmaps, industrial pilot lines...
- Piloting and testing, in real settings, of innovative solutions
- Greater role for pre-commercial public procurement
- Mechanisms for risk-capital and credit enhancement for R&I
- Inducement prizes for research and innovation
- Renewed support to research infrastructures including for industrial usage
- Support to clusters



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ICT beyond FP7 - Making the case

- Knowledge society entering a new phase
- ICT infrastructures maturing
- ICT is a general purpose technology
- Transformative impact in all areas of life
- Underpinning innovation and competitiveness across economic sectors
- Providing unique solutions to societal challenges
- Enabling scientific progress in all disciplines



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Next steps

- **Follow up:**
 - Analysis of contributions by Commission
 - Major event to conclude consultation (10 June 2011)
 - Inputs to preparation of Commission proposals
- **Commission proposals:**
 - for 2014+ EU budget (June 2011)
 - for the Common Strategic Framework (by end of 2011)
- **Legislative decisions** on the Common Strategic Framework by the Council and European Parliament (2012-13)

 **Common Strategic Framework** (from 2014)



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Thank you for your attention

Find out more and participate in the debate at:

<http://www.ec.europa.eu/research/csfri/>



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Working together to deliver on Europe 2020 ...

1. How should the Common Strategic Framework make EU funding **more attractive** and easy to access?
 - Single entry point, common IT tools, one-stop-shop for support, streamlined set of instruments, administrative simplification ...
2. How to cover the **full innovation cycle**: research to market uptake?
 - Coherent goals, shared strategic objectives ...
3. Where to act at **EU level**? Emphasis on leveraging other resources?
 - Mobilise critical mass, optimise resources, develop open platforms ...
4. How to best pool MS resources? How to support **joint programming** between Member States?
 - Synergies between programmes ...



... Working together to deliver on Europe 2020

5. What balance between **smaller, targeted projects** and **larger, strategic ones**?
6. Balance between **unique set of rules** and **flexibility**?
 - Diversity, specific needs ...
7. What **measures of success**? What performance indicators?
8. How to **complement** national, regional and Cohesion Policy funding?
 - Smart specialisation, strategic programming, concentration of resources, conditionality and incentives ...



Tackling societal challenges

9. How should stronger focus on **societal challenges** affect balance **curiosity-driven research / agenda-driven activities**?
 - openness to alternative ideas vs prescriptive roadmaps and choices ...
10. More room for **bottom-up** activities?
 - 'bottom-up' vs 'top-down', capturing new ideas as they emerge ...
11. Support to **policy making** & forward-looking activities?
12. Role of the **Joint Research Centre**?
13. How to involve **citizens** and civil society?



Strengthening competitiveness ...

14. How to take account of **non-technological innovation**?
 - Design, new business models, eco-innovation, social innovation ...
15. How to strengthen **industrial participation**? How to support Joint Technology Initiatives (**JTI**) / public private partnerships (**PPP**)? What role for European Technology Platforms (**ETP**)?
 - Securing strong position in key enabling technologies ...
 - Industry in the driving seat, industry-relevant priorities ...
 - Commitments, governance, implementation structures ...
16. How and what types of **SMEs** to support? How to complement national and regional schemes?
 - Innovation and growth needs of many SMEs ...
 - Needs of many SMEs best served at national/regional level ...



... Strengthening competitiveness

17. How to design **open, light and fast schemes** to allow exploration and commercialisation of novel ideas?
 - Opening new avenues for innovation ...
 - Open calls and simplified application procedures ...
18. How to use equity and debt based EU level **financial instruments** more extensively?
 - Building on RSFF and CIP financial instruments ...
19. New approaches of support: **Pre-commercial public procurement? Inducement prizes?**
 - Stimulating the demand side, involving users earlier and more closely ...
20. How **IPR rules** should balance competitiveness aspects and access to & dissemination of results?
 - Efficient exploitation and technology transfer vs access to results ...



Strengthening the science base and the European Research Area

21. How to strengthen role of the **European Research Council**?
22. How to assist **Member States** in building up excellence?
23. How to strengthen role of **Marie Curie actions** (researcher mobility and careers)?
24. Actions to strengthen **role of women** in science and innovation?
25. EU level support to **research infrastructures** (incl. EU-wide **e-Infrastructures**)?
26. How to support **international cooperation** with non-EU countries?
27. Issues and obstacles to the **European Research Area**?

