

Framing and Focussing Resource Efficiency: EU Research & Innovation Policy (CSF) Horizon 2020

Hungary, 28 June 2010

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**EUROPEAN
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**EU - BUILDING AN
INNOVATION UNION**

Europe 2020 and Innovation Union

- Objectives of **smart, sustainable and inclusive growth**
- Headline targets, including **3% of GDP** invested in R&D



- **Innovation Union** flagship initiative

- A strategic and integrated approach to research and innovation
- Putting in place the key conditions to make Europe attractive for research and innovation
- Focus on major challenges and aiming at competitiveness and jobs



**Common Strategic Framework
for Research and Innovation Funding**



The Common Strategic Framework - Horizon 2020

- Covering the **FP, CIP** and **EIT** in a Common Strategic Framework
 - Strengthening complementarities with **Structural Funds**
 - With a coherent set of funding instruments along the **whole innovation cycle** (from basic research to market uptake)
 - Far reaching **simplification** of procedures and rules
 - Period 2014-2020 (next EU budget)
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- **Green paper** seeking **stakeholder views**
 - 775 position papers and more than 1300 responses to the online questionnaire
 - Results analysed and presented on 10 June – Stakeholder workshop
 - Series of consultative workshops on every challenge/objective of the CSF
 - Commission's formal proposals to be presented end Nov. 2011



Consultation outcome

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

- Strong support for **bringing research and innovation together** in a Common Strategic Framework
- **Simplification** is a key priority for all stakeholders
- All stages in the innovation chain should be supported, with **more attention for close to the market activities** (e.g. demonstration, piloting)
- **Continuity for the successful elements** of current programmes, e.g. European Research Council, Marie Curie, collaborative research
- EU funding should be tied closely to **societal challenges** and EU policy objectives (climate change, ageing, energy security,...)
- More **openness and flexibility** needed, **less prescriptive** calls, better use of **bottom-up instruments** (also in programme parts guided by clear policy objectives)



Societal challenges

- Health
- Food Security and Sustainable Bio-resources
- Secure, Clean and Efficient Energy
- Smart, Green and Integrated Transport
- **Resource Efficiency and Climate**
- Inclusive, Innovative and Secure Societies



Analysis of the Position Papers: Key Messages on Environment & Resource efficiency

Innovation is seen as a central issue

- Environment should be addressed through **agenda-driven activities** but with the possibility to be carry out by **bottom-up activities** to simultaneously serve both public and private interests.
- **Eco-innovation** essential to Europe 2020 and resource efficient solutions.
- The **business sector** is looking to fully exploit eco-innovation opportunities, providing there is a willingness on the **part of governments** to support them to both boost European economic **competitiveness** and **improve the quality of life**.
- **Full innovation value-chain** from fundamental research, through to commercial deployment of solutions, e.g. demonstration and pilot plants.
- Need for stronger inclusion of **Socio-economic/Social Sciences and Humanities and Science in Society activities**.
- The need for enhancing **international cooperation**. Need for a common framework to facilitate cooperation with non-EU countries and to promote their involvement, especially in strategic issues dealing with global challenges.



Draft Outline of Resource Efficiency and Climate

- Policy drivers
 - Europe 2020 strategy, Innovation Union ,Resource efficiency Flagship initiatives
 - A roadmap for moving to a low carbon economy in 2050 Communication
 - Commitment towards Green Economy worldwide (OECD, UNEP etc.)
- **Three specific challenges**
 - Sustainable management of Natural Resources and Ecosystems
 - Fighting and adapting to Climate change
 - Eco-innovation, Sustainable Production and Consumption
- Strategic international Cooperation
 - Supporting international negotiations and science-policy interfaces
 - Cooperation with other major research funders
 - Bilateral and regional cooperation

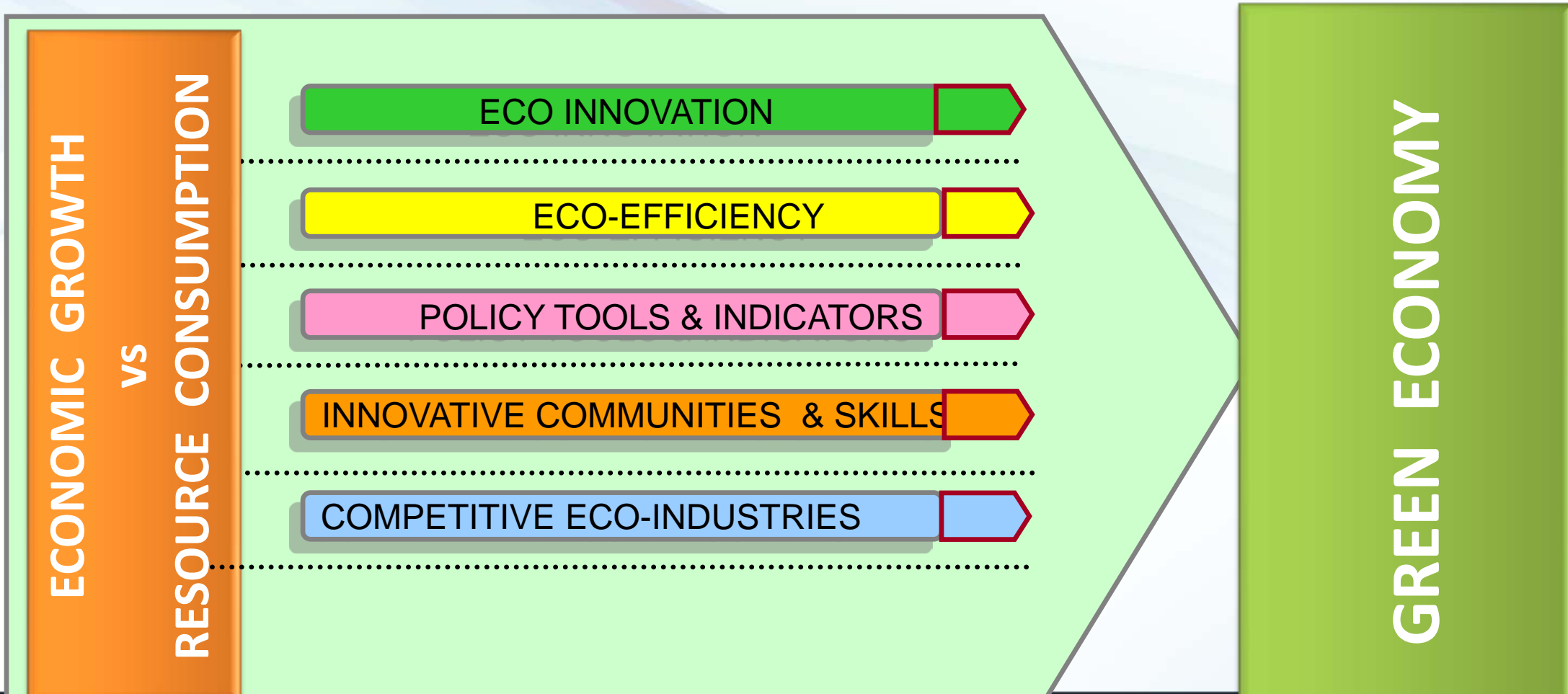


Next steps for Horizon 2020

- **In depth analysis** of contributions
- Commission proposal for **post 2013 EU budget** : 29 June 2011
- Commission proposal for **Common Strategic Framework**: before the end of 2011
- **Legislative decisions** on the Common Strategic Framework by the Council and European Parliament (2012-13): during 2013
- **Common Strategic Framework** (from 2014)



EU Research and Innovation contribution to Sustainable Development implementation of Innovation Union & Resource Efficient Europe



Supported by a EU policies Framework, driven by systemic changes – industrial, societal, behavioural, regulatory market and other framework condition for change. Implemented at different levels - policy, economy, society

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UNION

Thank you for your attention

UNIT I2- Environmental technologies
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resources



creativity



innovation



transition



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