



Innovation Investment Package

*Boosting innovation and growth
in Europe*

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HORIZON 2020

Research and
Innovation

Why an innovation investment package?

- R&D investments **essential for generating growth and high quality jobs**
- **Increasing international competition** for leadership in strategic technologies
- Reverse the **declining role of industry in Europe**
- **Facing successfully major challenges** requires efforts beyond the capacities of individual MS or single companies

What is in the package?

- **10 Commission's proposals**
 - **5 proposals for Public-Private Partnerships** (Joint Technology Initiatives under TFEU Article 187)
 - **4 legislative proposals for Public-Public Partnerships** (Joint programmes with Member States under TFEU Article 185)
 - **Extension of SESAR** (Joint Undertakings under TFEU Article 187)
- **Total investment: €22 billion**
 - **~€8 billion from Horizon 2020**
 - **~€10 billion from industry**
 - **~€4 billion from Member States**

Public-Private Partnerships

Joint Technology Initiatives	EU (Horizon 2020)	Industry
Innovative Medicines Initiative (IMI) ²	€ 1 725 m	€ 1 725 m
Fuel Cells and Hydrogen (FCH) ²	€ 700 m	€ 700 m
Clean Sky (CS) ²	€ 1 800 m	€ 2 250 m
Bio-based industries (BBI)	€ 1 000 m	€ 2 800 m
Electronic Components and Systems for European Leadership (ECSEL)	€ 1 215 m (+€1200m Member States)	€ 2 400 m

Public-public partnerships/SESAR

Joint implementation of national research programmes	EU	Member States
European Developing Countries Clinical Trials Partnership (EDCTP) ²	€ 683 m	€ 683 m
European Metrology Research Programme (EMPIR)	€ 300 m	€ 300 m
Eurostars 2	€ 287 m	€ 861 m
Active and Assisted Living (AAL) ²	€ 175 m	€ 175 m
Joint Undertaking	EU	Eurocontrol and other members
European Air Traffic Management System (SESAR)	€ 600 m	€ 1000 m

- **Innovative Medicines Initiative 2 (IMI2):** improve European citizens' health and wellbeing by providing new and more effective diagnostics and treatments such as new antimicrobial treatments;
- **Fuel Cells and Hydrogen 2 (FCH2):** develop commercially viable, clean, solutions that use hydrogen as an energy carrier and of fuel cells as energy converters;
- **Clean Sky 2 (CS2):** radically reduce the environmental impact of the next generation of aircraft.

- **Bio-based Industries (BBI)**: develop new and competitive bio-based value chains that replace the need for fossil fuels and have a strong impact on rural development;
- **Electronic Components and Systems for European Leadership (ECSEL)**: keep Europe at the forefront of electronic components and systems and bridge faster the gap to exploitation.

Joint implementation of national research programmes

- **EDCTP2**: contribute to the reduction of the social and economic burden of Poverty Related Diseases in developing countries, particularly in sub-Saharan Africa;
- **EMPIR**: provide appropriate, integrated and fit-for-purpose metrology solutions supporting innovation and industrial competitiveness as well as measurement technologies addressing societal challenges.

Joint implementation of national research programmes

- **Eurostars 2:** stimulate economic growth and job creation by enhancing the competitiveness of R&D performing SMEs;
- **AAL 2:** improve the quality of life for the elderly and their careers and to increase the sustainability of care systems by enhancing the availability of ICT based products and services for active and healthy ageing.

What are the benefits?

- **Increased efficiency** of funding
- **Long-term commitments** and strategies
- Addressing **market failures**
- **Covering longer value chain** and interrelated sectors
- High level SME **participation** (30%)
- **Shortening time to market**
- Potential for **synergies with Structural Funds**

- **Major simplification**
- **Prominent Leverage effect**
 - Total industrial investment of EUR 10 billion
 - Additional activities outside the calls
- **More ambitious objectives**
 - Contributing directly to EU policy goals
 - More focus on demonstration & deployment

- **Sharper Key performance indicators**
 - Reinforced monitoring of the progress
 - Improved evaluation and impact measurement
- **Greater openness to new partners and increased transparency**
- **Better links with national activities**

- **Lithuanian Presidency**

- General approaches on the initiatives included in the IIP: Competitiveness Council of 2- 3 December

- **Greek Presidency**

- Finalisation of the negotiations with the EP on the IIP: first semester of 2014
- Adoption of the corresponding legal acts setting up the new P2Ps and the new JTIs respectively – before the EPs elections

Thank you for your attention