

JRC the in-house science service of the European Commission

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Science and the Role of the JRC



José Manuel Barroso: strong commitment to **research and innovation**

"... acting as a bridge between policy making, science, society and economy is an invaluable asset of the JRC, given its outreach to so many bodies and organisation inside and outside Europe."



Máire Geoghegan-Quinn: **JRC at the heart of the EU policy process**

"The JRC... delivers scientific excellence, sound advice and key anticipation services, making the JRC the real 'brain' of the European Commission [...]."



Vladimír Šucha: the European Commission's in-house **science service**

"The JRC supports EU policymakers in the conception, development, implementation and monitoring of policies."

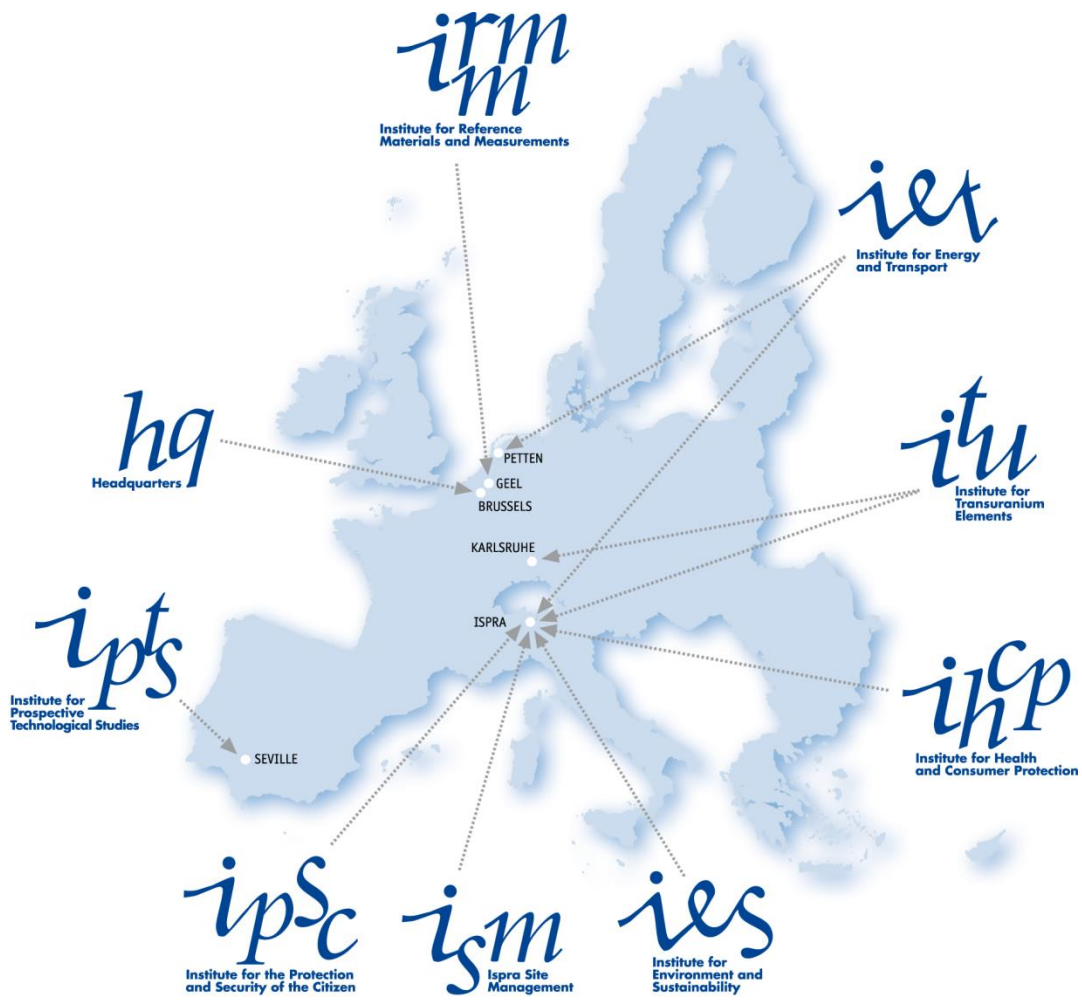
JRC, the Commission's in-house science service:

- Provides EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle.
- Works in support of other Commission services, EU Institutions, and Member States, in close cooperation with industry, universities, and research organisations in the EU and worldwide.
- Is independent of industrial and national interests, has access to confidential information, and provides on-tap fast and flexible response.



Key figures

- Established 1957
- Only Commission Directorate General carrying out direct research
- 7 institutes in 5 countries
- 2,822 staff (35% short-term)
- 1,213 policy support deliverables in 2012
- 632 peer reviewed scientific publications in 2012
- Budget 2013: €356 million, plus €62 million earned income



What are the challenges facing us today?



The global challenge for 2050:

- Providing sufficient food, energy and water for the world's increasing population, whilst also mitigating and adapting to climate change, reducing the use of fossil fuels and managing increased urbanisation and changes in lifestyles.

The challenge for the EU in the context of globalisation:

- To play a leading role in meeting this key challenge while, at the same time, creating economic growth and jobs, managing its changing demographics and providing for stable financial management.



Science-based EU regulations and standards

- These challenges require a single market regulatory framework that provides a "level-playing field".
- Standards provide industry with the framework conditions within which to invest, to innovate and to gain global market share.
- These rules should be scientific evidence-based in order to ensure the right balance between long-term sustainability and short-term growth.
- Global standards will enhance international trade, e.g. in the context of the Transatlantic Trade and Investment Partnership (TTIP).



Policy areas JRC supports in Horizon 2020



- **Single market: growth, jobs and innovation**
- **Low-carbon economy and resource efficiency (environment, climate change, energy, transport)**
- **Agriculture and global food security**
- **Public health, safety and security**
- **Economic and Monetary Union (EMU)**
- **Nuclear safety and security**



A Networked Organisation

JRC can achieve its mission only if it has access to the widest range of scientific evidence.

1000+ European and international partners incorporated in 250+ networks:

- **universities, industry, public research organisations, international organisations;**
- **close relations with EASAC/EuroCASE;**
- **strategic international partnerships (USA, Brazil, China, India, Japan, Russia);**
- **training and mobility of researchers, access to infrastructures;**
- **European Forum for Science and Industry (EFSI).**



European Research Area

