

# **THE JOINT RESEARCH CENTRE AND SWEDEN: cooperation in Research**

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**European Commission**  
**Joint Research Centre (JRC)**  
<http://www.jrc.ec.europa.eu>



European Commission  
President Barroso



Commissioner Potočník  
Science and Research

(26 other Commissioners)

**Joint Research  
Centre (JRC)**

**Research DG  
(RTD)**

**Customer DGs:  
Agriculture, Environment,  
Enterprise, Safety  
& Consumer Protection, etc**

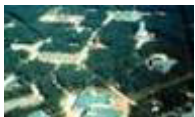
"The mission of the JRC is to provide **customer-driven** scientific and technical **support** for the conception, development, implementation and monitoring of EU policies. As a service of the European Commission, the JRC functions as a reference centre of science and technology for the Union. Close to the **policy-making process**, it serves the **common interest** of the Member States, while being **independent of special interests, whether private or national.**"



**7 Institutes in 5 Member States**  $\cong$  2650 staff (+ 250 competitive)  
 $\cong$  300 M€/y budget (+ 50 M€/y competitive)  
**124 scientific projects (called actions)**



**IE** - Petten The Netherlands  
*- Institute for Energy*



**IRMM** - Geel Belgium  
*- Institute for Reference Materials and Measurements*



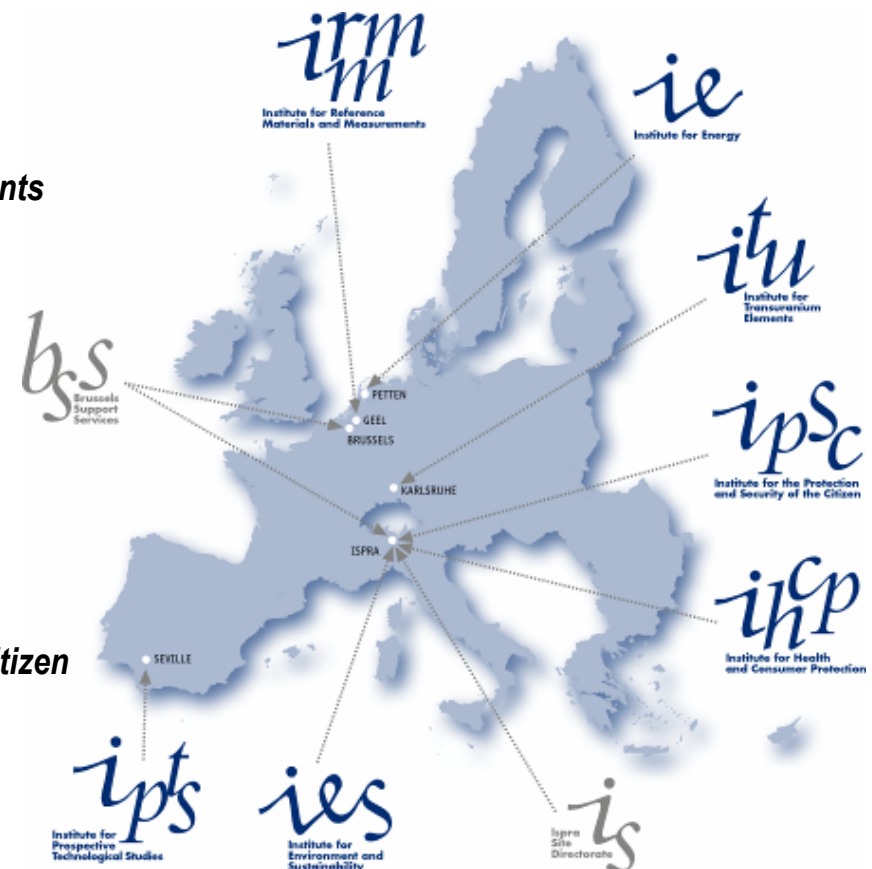
**ITU** - Karlsruhe Germany  
*- Institute for Transuranium Elements*



**IPSC - IHCP - IES** - Ispra Italy  
*- Institute for Environment and Sustainability*  
*- Institute for Health and Consumer Protection*  
*- Institute for the Protection and Security of the Citizen*



**IPTS** - Seville Spain  
*- Institute for Prospective Technological Studies*



## 683M€ ('Prosperity')

- Chemicals
- Biotechnology
- Energy & Transport
- Information Society
- ERA

## 578M€ ('Solidarity')

- Environment
- Health
- Climate Change
- Rural Development
- Agriculture



## 517M€\* ('Nuclear')

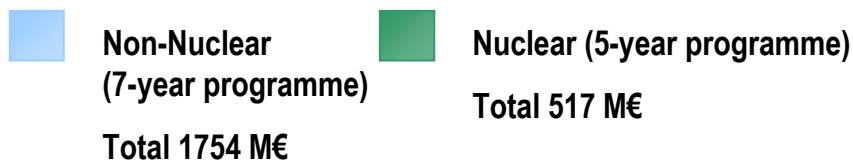
- Nuclear Energy, Safety & Security

## 403M€ ('Security')

- Disasters
- Internal Security
- Food Chain

## 88M€ ('Global Partner')

- Global Security
- Development
- Co-operation



- **Research** having a direct impact on the **life** of the citizen
- **Provision of quality expertise** and support to other Commission services, EU Institutions, Member States and in-country research stakeholders (working with over **1,000 public & private** organisations, institutions and expert groups in more than **250 major networks**)
- **Interdisciplinary research**: food safety, chemical products and health, environment and sustainability, security and antifraud, nuclear safety and security, technology foresight, reference materials and measurements
- **Flexibility in responding** to emerging and changing needs
- **Strength through tradition** - over 50 years JRC collaboration with customers and users



The JRC is participating in the **CarboEurope** project to combat **climate change**. The aim of the project is to understand and quantify the terrestrial carbon balance of Europe and at local, regional and continental scale.

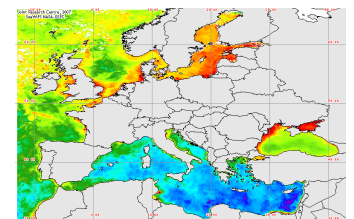


The JRC is managing **6 Community Reference Laboratories** in areas concerning the safety and quality of feed and food:

(1) Feed additives, (2) GMOs, (3) Food contact materials, (4) heavy metals in feed and food, (5) mycotoxins and (6) polycyclic aromatic hydrocarbons



The **Fraction of Absorbed Photosynthetically Active Radiation** project gives an indicator of the state of vegetation. The JRC developed mathematical algorithms to enable the documentation of spatial variability and temporal evolution of vegetation cover over large areas and over long time periods.



- The JRC and the Swedish partners work together in:
  - **7 Collaboration Agreements** (e.g. nuclear emergency information sharing, International Measurement Evaluation Programme, Euraqua Network);
  - **34 Institutional Networks** (e.g. Infrastructure for Spatial Information in Europe, Air Quality Laboratories Association, Combustion and Industry Expert Panel);
  - **175 Competitive Actions** (e.g. Global Monitoring for Security and Stability, Bringing Nanotechnologies to Life, Flood Risk Analysis and Management).

- Main objective of today's Information Day is to promote strategic collaboration between the JRC and the Swedish S&T institutions within common priority areas
- Several new and interesting ideas will be discussed in the following areas:
  - Environment & Sustainability
  - Nuclear Waste Management and Energy
  - Information and Communications Technology (ICT)
- Conclusions of today's discussions will be followed up

**Many thanks for your  
attention!**

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