

Opening access of JRC Physical Research Infrastructures to external users

The European Commission's
science and knowledge service
Joint Research Centre



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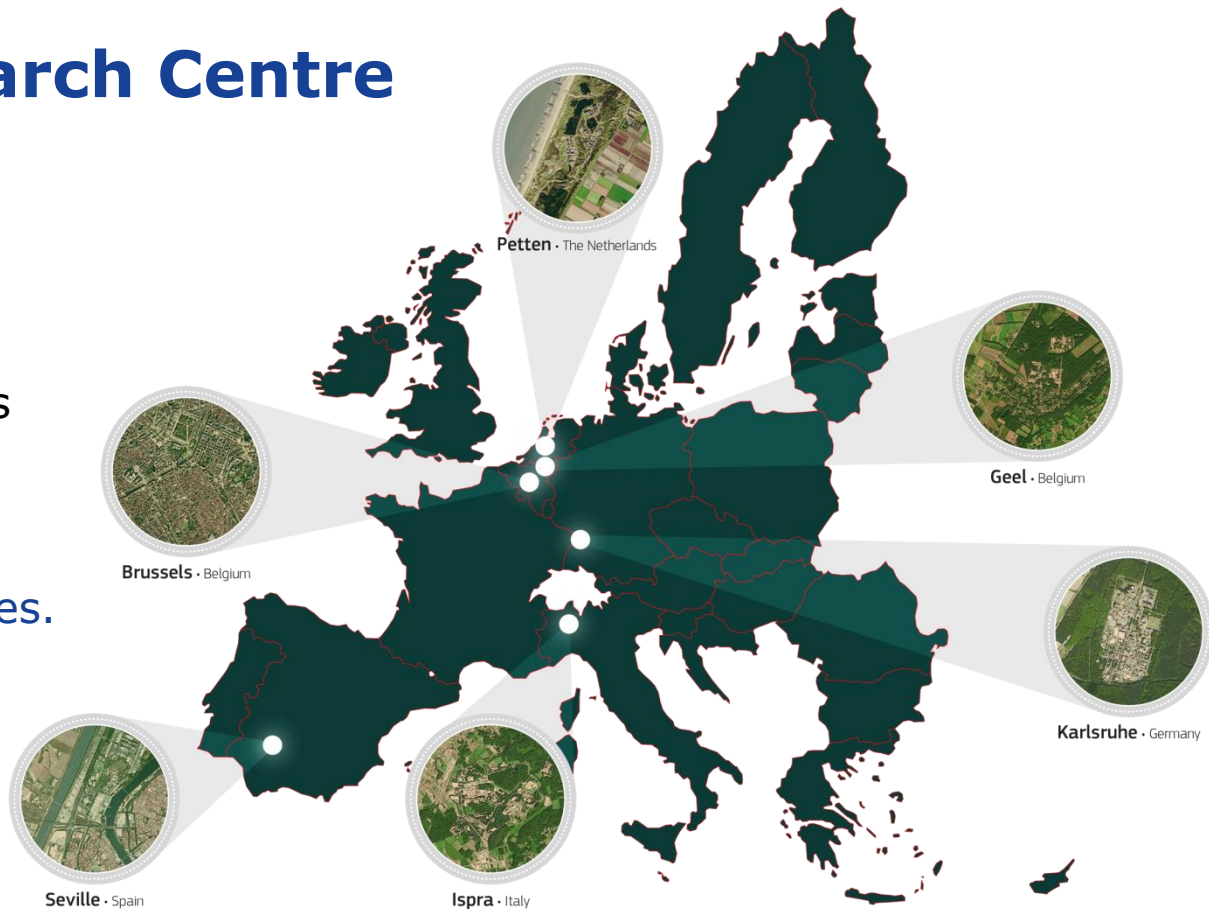
European
Commission

The Joint Research Centre at a glance

3000 staff

Almost 75% are scientists
and researchers.

Headquarters in Brussels
and research facilities
located in 5 Member States.

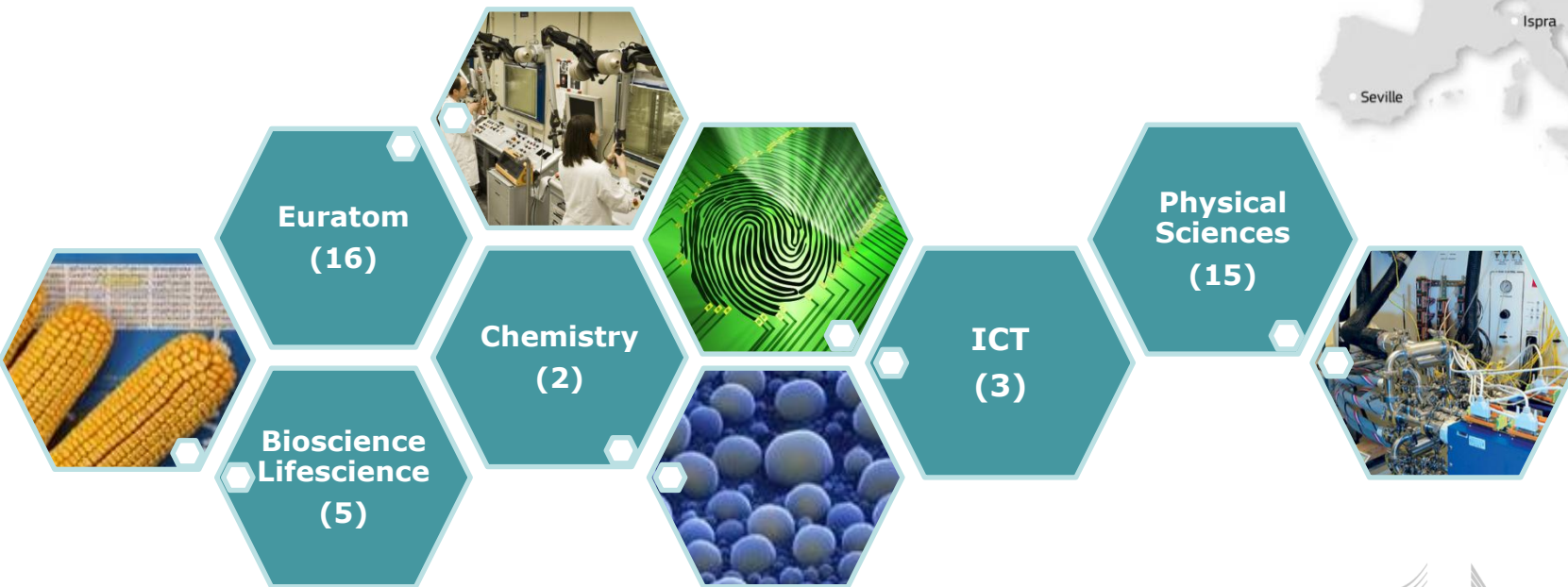


Opening access of JRC RIs

JRC has made significant investments for the construction and operation of a collection of unique research infrastructures



JRC hosts 41 physical research infrastructures with a potential of opening to external users



Opening access of JRC RIs to external users is part of the JRC Strategy 2030

- Expand JRC networking capabilities
- Enter into new key areas of research
- Maintain JRC scientific excellence
- Raise the value and visibility of JRC RIs



Potential demand and benefit to users

- Fair and transparent method for allocating access
- Make JRC RIs available to external users / limited resources now existing in Europe
- Provide capacity building to Enlargement and Integration countries
- Bridge the gap between science and industry
- Dissemination of knowledge, education and training, foster collaboration in Europe



Eligibility criteria

- **Non-nuclear facilities**

- ✓ EU Member States
- ✓ Candidate countries and countries associated to the EU Research Programme Horizon 2020

- **Nuclear facilities**

- ✓ EU Member States
- ✓ candidate countries (on the conditions established in the relevant agreement or decision) and countries associated to the Euratom Research Programme

Framework of Access to Research Infrastructures

Based on the Charter of Access to RIs of DG RTD

Principles and guidelines when defining Access policies for RIs

Access Modes

- Relevance-driven
- Market-driven



Relevance driven

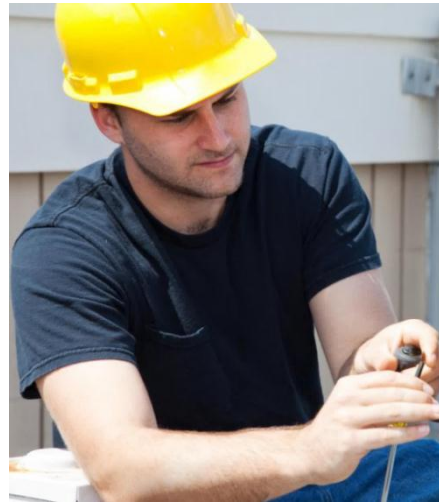
- Users submit an application following a **call for proposals**
- Applications evaluated through a **peer-review** transparent selection process conducted by a panel of experts based on **excellence, originality and technical feasibility**
- **Selection** based on scientific implementation, collaboration and access to new users, areas relevant to JRC Strategic Priorities and on the importance for Europe concerning standardisation, integration and cohesion, sustainable growth and competitiveness
- Access mainly granted to **universities and research institutions, as well as SMEs**, in association with industry
- Users are only charged the **additional costs**

Market driven

- Defined in agreement between the user and the JRC RI
- Access mainly targeted to **industry and private institutions**, as well as to, or in partnership with research institutions
- Projects **selected by the JRC** with emphasis on strategic importance at EU level and on the uniqueness of the JRC facilities providing access
- Users charged the **full costs**

In-kind contributions

- Human resources, i.e. for running all or parts of the experimental work or assisting the experimental campaign
- Provision of consumables and equipment



Research Infrastructure Access Agreement

Rights and obligations of JRC and the user(s) concerning:

- Health and safety
- Security rules
- Data protection
- Confidentiality
- Liability and financial aspects
- User access assessment



Intellectual Property

Relevance-driven access mode

- Open access to data following an embargo period (typically 18 months) to allow publication in peer-review journals
- Extension of embargo period in case open access jeopardizes commercial exploitation

Market-driven access mode

- Data is not disseminated via open schemes, but it can be used by the JRC for internal purposes.

Pilot Projects

- **European Laboratory for Structural Assessment**
 - ✓ Reaction Wall
 - ✓ HopLab
- **Nanobiotechnology Laboratories (61 instruments)**
- **EUFROT Facilities (Nuclear) – will join in 2018**
 - ✓ GELINA, HADES, MONNET, RADMET

Assessment of the Pilot phase during the first quarter of 2018

Dedicated portal at JRC Science Hub

- All supporting documents: Framework and related annexes (template for proposals, agreement documents, IP rules, etc.)
- Composition of the User Selection Panel
- Eligibility Criteria
- Call for proposals per Research Infrastructure
 - ✓ Estimated total number of Access Units allocated to the call
 - ✓ Estimated additional costs per Access Unit
 - ✓ Priority topics of the Research Infrastructure
- Selected Projects
- User Access Report / link to databases (after embargo period)

Calls for access

Reaction Wall, European Laboratory for Structural Assessment (ELSA) [Open](#)

SEP
18
2017

DEC
29
2017

Ispra, Italy. The central feature of the European Laboratory for Structural Assessment (ELSA) is the Reaction Wall. It consists of a reinforced concrete vertical wall and a horizontal floor rigidly connected together to test the vulnerability of buildings to earthquakes and other hazards.

[Details of the call #2017-1-RD-ELSA-ReactionWall](#)



HopLab, European Laboratory for Structural Assessment (ELSA) [Open](#)

JUN
26
2017

OCT
20
2017

Ispra, Italy. The Hopkinson Bar facility (HopLab) is used for the study of materials and of structural components to very fast dynamic loads, such as those due to blasts and impacts, where knowledge of the material behaviour under high strain-rates is necessary.

[Details of the call #2017-1-RD-ELSA-HopLab](#)



Nanobiotechnology laboratory [Open](#)

JUN
26
2017

SEP
29
2017

Ispra, Italy. The Nanobiotechnology Laboratory features state-of-the-art equipped facilities designed to foster interdisciplinary studies. A special emphasis lies on characterisation of nanomaterials, nanomedicines, advanced materials and their interactions with biological systems, as well as on the detection, identification and characterisation of nanomaterials in food and consumer products.

[Details of the call #2017-1-RD-NanoBiotech](#)



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