Opening Access to JRC Physical Research Infrastructures

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A.5 Deputy HoU, CDMA Brussels, 5 February 2019
Landscape of JRC Research Infrastructures

JRC hosts 38 physical research infrastructures with a potential of opening to external users

(out of a total of 58 facilities)
Rationale

Opening up access to JRC Research Infrastructures is part of the **JRC Strategy 2030**

**Benefits to users and the ERA**

- **Fair** and **transparent** method for allocating access
- Make JRC RIs available to external users in view of the **limited resources** 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

**Benefits to the JRC**

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

Based on the **Charter of Access to RIs of DG RTD**
Principles and guidelines when defining Access policies for RIs

**Access Modes**

- **Relevance-driven**
  - Peer-review selection following a call for proposals: Scientific implementation, collaboration and access to new users, strategic relevance to the JRC, strategic importance for Europe
  - Mainly targeted to academia and research institutions, as well as to **SMEs**
  - Users charged the additional costs associated (18% overheads); nuclear RIs free of charge
  - Open dissemination after an 18 month embargo period

- **Market-driven**
  - Selection by the JRC
  - Mainly targeted to industry
  - Users charged the full costs
  - Data not disseminated via open schemes

**Open to**
- EU Member States
- Countries associated to Horizon 2020
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

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
Dedicated portal at JRC Science Hub

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

Facilities opening up access

European Laboratory for Structural Assessment (ELSA) (Ispra, IT)

Reaction Wall
HopLab

Consumer Products Safety (Ispra, IT)

European research infrastructure for nuclear reaction, radioactivity, radiation and technology studies in science and applications (EUFRAT) (Geel, BE)

Nanobiotechnology Laboratory

Energy Storage Facilities (Petten, NL)

GELINA – Neutron time-of-flight facility for high-resolution neutron measurements

HADES – Underground laboratory for ultra-low level gamma-ray spectrometry

MONNET – Tandem accelerator based fast neutron source

RADMET – Radionuclide Metrology laboratories

Actinide User Laboratory (ActUSLab) (Karlsruhe, DE)

BESTEST – Battery Energy Storage Testing for Safe Electric Transport

FCTEST – Fuel Cells and Electrolyser Testing facilities

GASTEF – Gas Tank Testing Facility

PAMEC – Properties of Actinide Materials under Extreme Conditions

FMR – Fuels and Materials Research
Calls for Access / Statistics

18 calls since June 2017

✓ 12 Research Infrastructures
✓ 69 Eligible proposals
✓ 58 Accepted proposals
✓ 24 Countries (3 from AC H2020)

User Selection Committees

✓ 6 USCs
✓ 26 Members Appointed
✓ 7 Meetings

Accepted proposals

✓ 87 User Institutions
✓ 199 Users
✓ 6 Completed Projects
Results

ELSA – HOPLAB
Ispra, Italy

Delft University of Technology

Dynamic Performance of Adobe masonry components

Nanobiotechnology Laboratory
Ispra, Italy

University of Brescia Italy

Characterisation of air particulate matter (PM) trapped by a new material coming from industrial waste
Any questions?
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https://ec.europa.eu/jrc/en/research-facility/open-access