

MERIL

DATA FIELD DEFINITIONS



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MERIL

MAPPING OF THE EUROPEAN
RESEARCH INFRASTRUCTURE
LANDSCAPE

FIELDS ORGANIZED BY DATA EXPLORER PRESENTATION

KEYWORDS

ACRONYM

LIFE CYCLE STATUS

LEGAL STATUS

TYPE OF RI

ESFRI PARTICIPATION

LOCATION COUNTRY

SCIENTIFIC DOMAIN

RI CATEGORY

ESFRI DOMAIN

PARTICIPATING COUNTRY

COORDINATING COUNTRY

ACCESS TYPE

ACCESS MODE

USER DEFINITION

USER DEMOGRAPHICS

USER TYPE

NUMBER OF USERS

SERVICES

KEYWORDS

Key words or concepts that best describe the RI and its activities

ACRONYM

The acronym or abbreviation commonly used to identify the RI

LIFE CYCLE STATUS

The current status of the RI life-cycle:

- Under construction – the RI is not yet operational, but is accepting applications for access
- Operational – the RI is in the standard, operational, phase of its lifecycle
- Being upgraded – the RI is undergoing upgrades and may or may not be operational during this time

LEGAL STATUS

The type of legal entity that best characterizes the RI

TYPE OF RI

- Single-sited: the RI has one main physical location for users
- Distributed: the RI has multiple physical locations but a unified management structure and a single coordination centre
- Mobile: the RI is changing its physical location on a regular basis (e.g., satellites, research vessels)
- Virtual: the RI is exclusively an electronic resource/service

ESFRI PARTICIPATION

The RI indicates whether it is an ESFRI project, an ESFRI landmark, or a node of an ESFRI project

LOCATION COUNTRY

Physical location of the RI or its coordinating centre in in the case of distributed, virtual, and mobile RIs

SCIENTIFIC DOMAIN

The domains covered by the RI. Many RIs select more than one scientific domain. The possible choices are:

- Information Science and Technologies
- Biological and Medical Sciences
- Earth and Environmental Sciences
- Physics, Astronomy, Astrophysics and Mathematics
- Chemistry and Material Sciences
- Engineering and Energy
- Social Sciences
- Humanities and Arts

RI CATEGORY

The MERIL project has defined 72 categories of RIs. The list with descriptions is available [here](#)

ESFRI DOMAIN

The MERIL project has mapped each RI to its ESFRI Domain. ESFRI domains include the following:

- Energy
- Environment
- Health and Food
- Physical sciences and engineering
- Social and cultural innovation
- E-Infrastructure (the e-infrastructure label can be used in addition to the other five domains)

PARTICIPATING COUNTRY

RIs that are funded by several countries list all countries supporting the RI (including the coordinating country).

COORDINATING COUNTRY

Country which provides the coordination of the RI. In the case of distributed/virtual RIs the country of the coordinating office (headquarters) is used.

ACCESSTYPE

'Access' refers to the legitimate and authorised physical, remote and virtual admission to, interactions with and use of Research Infrastructures and to services offered by Research Infrastructures to Users. The three types of access are:

- Physical access - requires the presence of users on RI's premises.
- Remote access - allows users to access and perform experiments using facilities and equipment located in another location and retrieve results/data without physically accessing the RI (eg. by launching experiments from a remote desktop)
- Virtual access - refers to the use and exploitation of RI resources that are exclusively available via online internet-based tools.

ACCESS MODES

- Excellence-driven: exclusively dependent on the scientific excellence, originality, quality and technical and ethical feasibility of an application evaluated through peer review conducted by experts
- Market-driven: applies when access is defined through an agreement between the User and the Research Infrastructure that will lead to the payment of a fee for the Access, and which may remain confidential.
- Wide access: guarantees the broadest possible access to scientific data and digital services provided by the Research Infrastructure to Users wherever they are based. Research Infrastructures adopting this mode maximise availability and visibility of the data and services provided.

USER DEFINITION

'Users' of Research Infrastructures can be individuals, teams and institutions from academia, business, industry and public services. They are engaged in the conception or creation of new knowledge, products, processes, methods and systems and also in the management of projects. Teams can include researchers, doctoral candidates, technical staff and students participating in research in the framework of their studies.

USER DEMOGRAPHICS

Estimated number of national, European and extra-European users per given year.

- National users are users from the country where the RI (or its coordinating centre) is located. For distributed RIs national users should include all users from countries in which the different nodes are located
- Users from other European countries, see definition of European countries
- Extra-European users include users from countries outside of Europe

European countries are defined as EU Member States and countries associated to the EU framework programme for research and innovation (currently H2020)

USER TYPES

The types of organisations exploiting the RI. Indicated in percentage with respect to the total number of users.

- Academic (universities and higher-education institutions)
- Public research organisations
- Industry/private companies
- Public services (e.g. government)
- General public
- Other

Examples of public research organisations include CNRS (France), CNR (Italy), CSIC (Spain), Max Planck (Germany), etc.

NUMBER OF USERS

Total annual number of users as defined under “User definition” should be provided. Only users exploiting the RI for research purposes are included. In case the exact number of users is not known, RIs provide an estimate.

SERVICES

Main types of services provided to users (e.g., access to, analysis, data, testing, training, user support, archiving, etc.)