

# Let's Benefit from Research Infrastructures

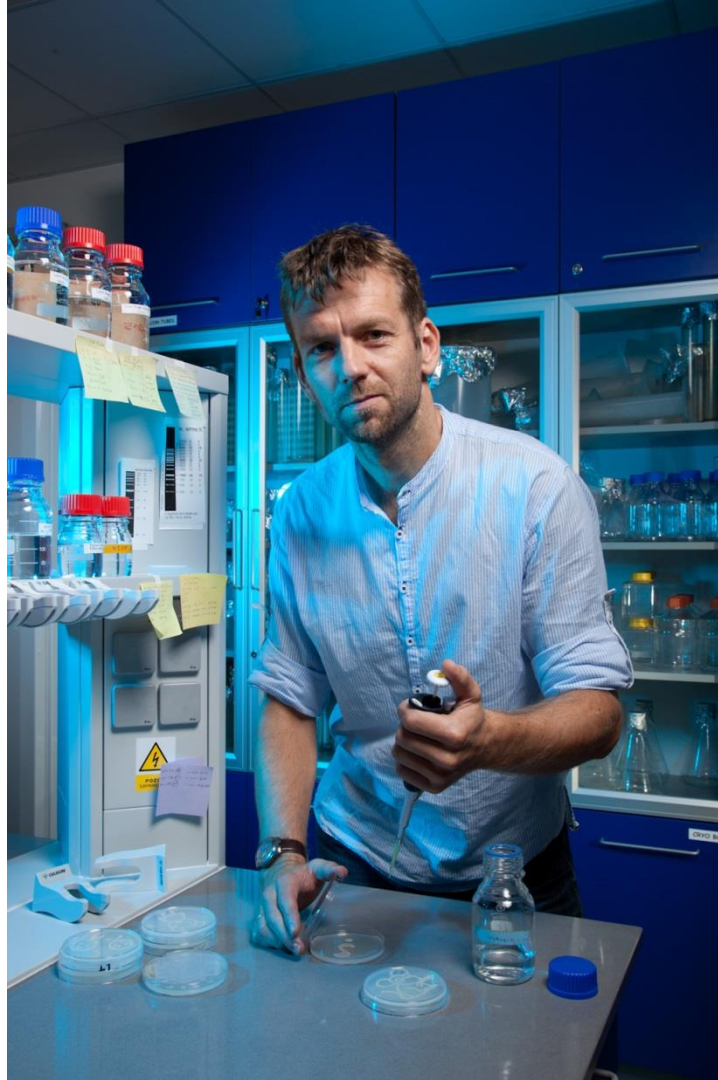
New opportunities for top research

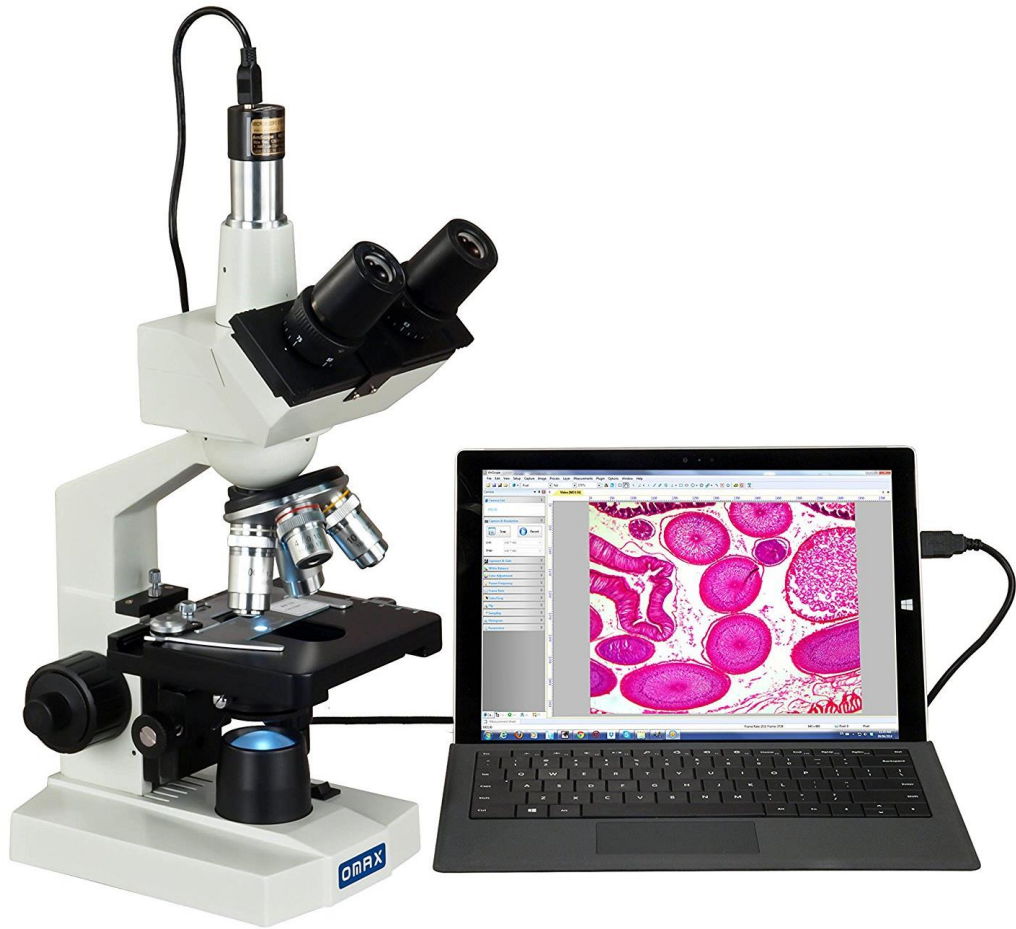
November 29, 2017  
Campus Dejvice

Tomas Mozga  
tomas.mozga@gmail.com, +420 776 030 294

# RESEARCH

- scientists
- ideas
- laboratory
- money
- instruments





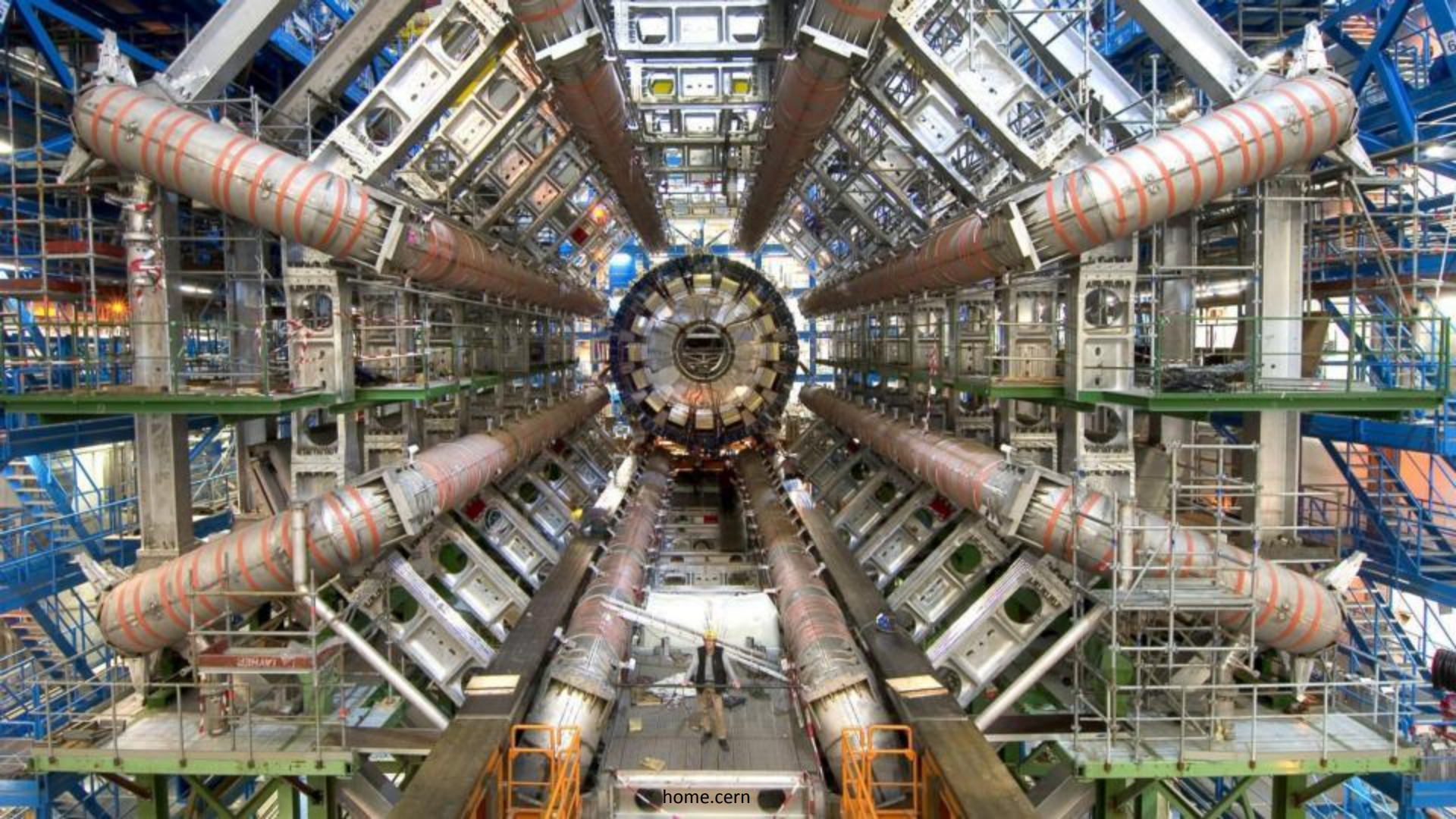
[www.microscopenet.com](http://www.microscopenet.com)

[www.vox.com](http://www.vox.com)









# Research infrastructures

<http://ec.europa.eu/research/infrastructures>

- represent unique facilities, resources, collections & related services used by the scientific community to conduct top-level research
- offer unique research services to users from different countries, attract young people to science & help to shape scientific communities
- bring together a wide diversity of stakeholders to look for solutions to many of the problems society is facing today
- are responsible for some of the greatest scientific discoveries & technological developments
- play an increasingly important role in the development of knowledge and technology

# Research infrastructures

<http://ec.europa.eu/research/infrastructures>

- unique facility
- excellent research
- international overlap
- open access services





Intergovernmental RIs  
Pan-European RIs  
National RIs of European interest







## 3D dipole integration at the Large Hadron Collider

*More about CERN*

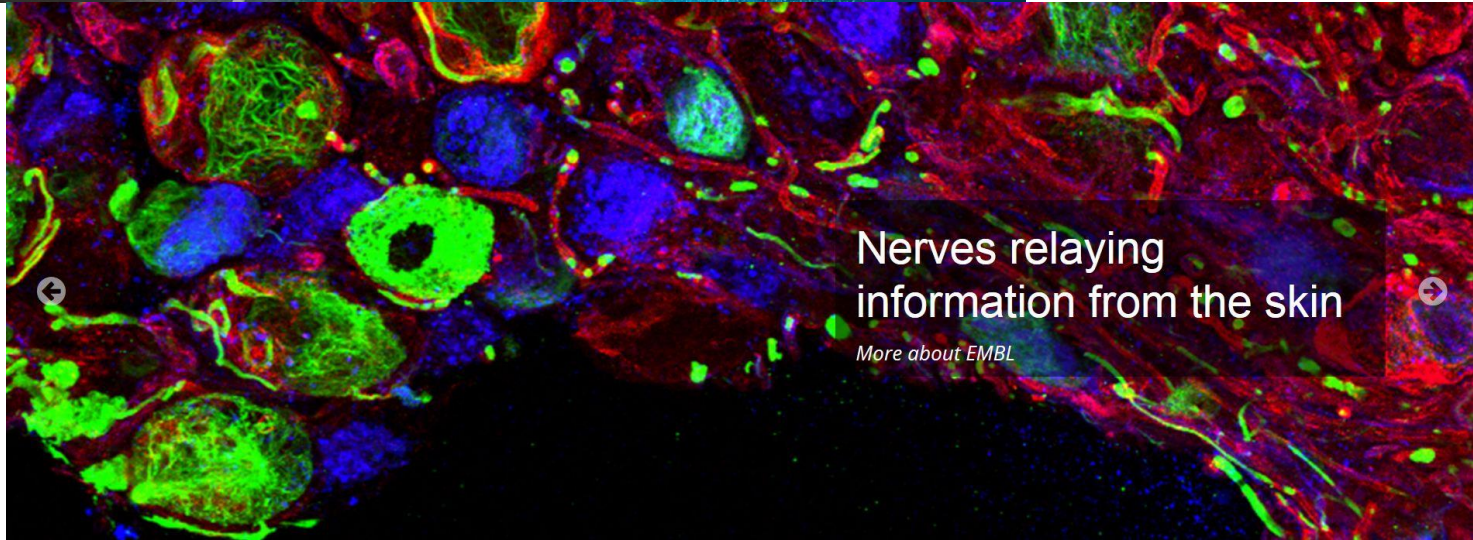


home.cern  
Geneva, Switzerland

EMBL



www.embl.de  
Heidelberg, Germany



## Nerves relaying information from the skin

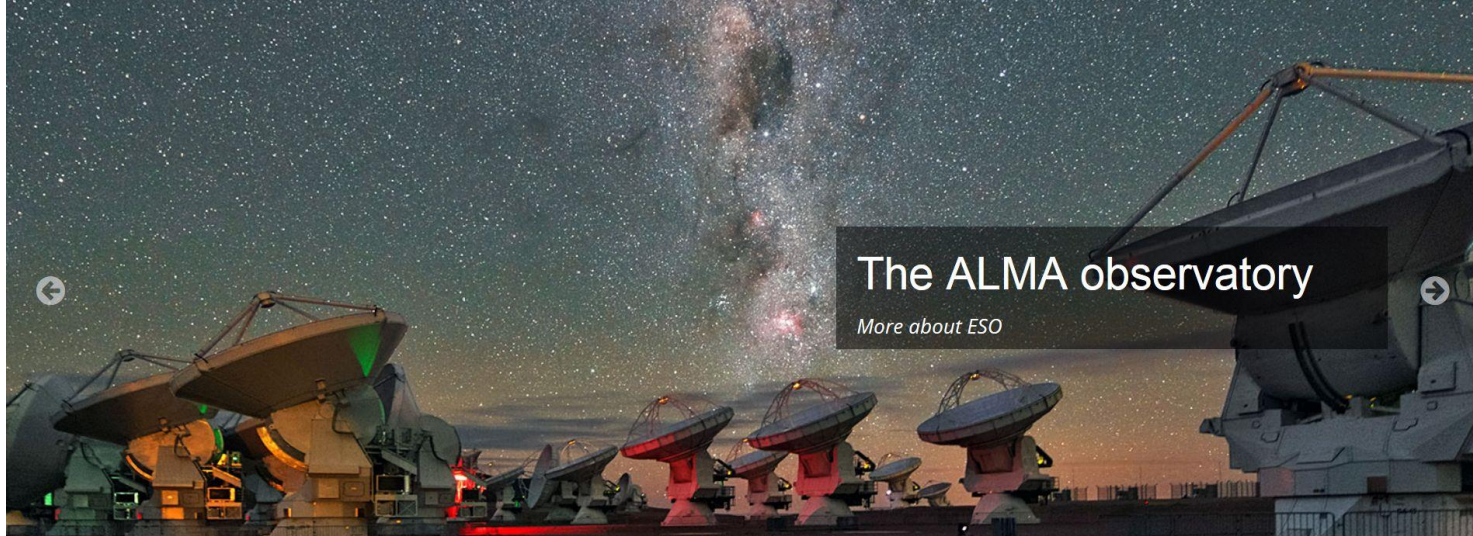
*More about EMBL*





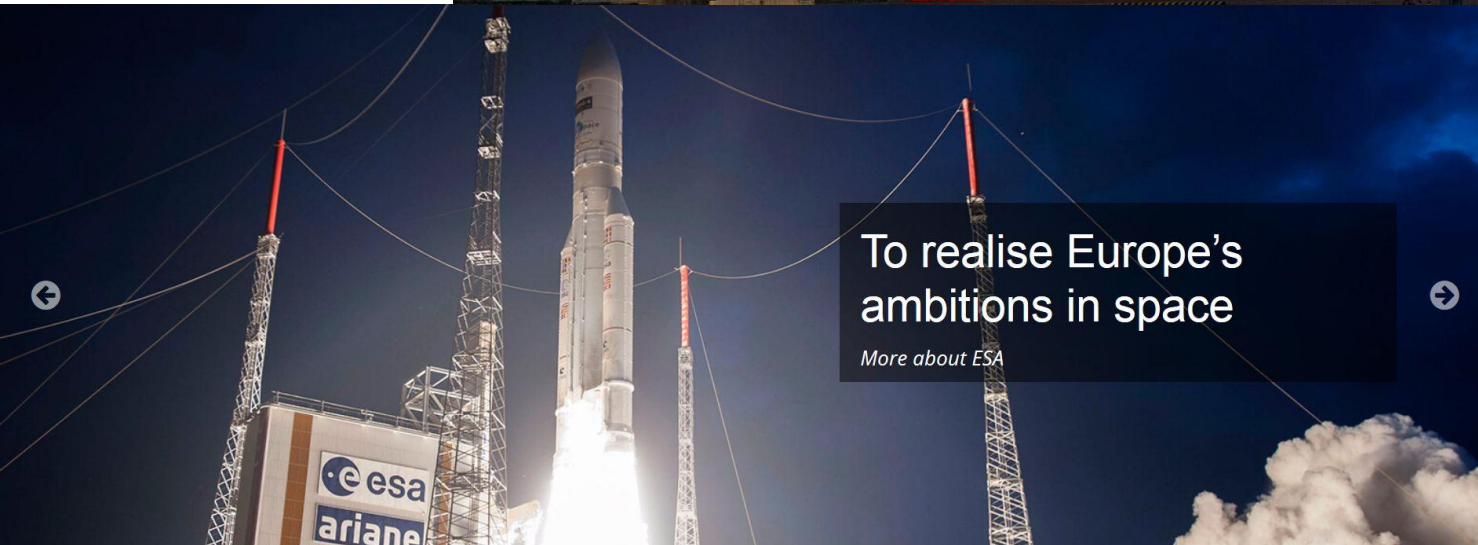


[www.eso.org](http://www.eso.org)  
Garching, Germany



## The ALMA observatory

*More about ESO*



## To realise Europe's ambitions in space

*More about ESA*



European Space Agency

[www.esa.int](http://www.esa.int)  
Paris, France





## A bright light for science

*More about ESRF*



**ESRF**

The European Synchrotron

[www.esrf.eu](http://www.esrf.eu)

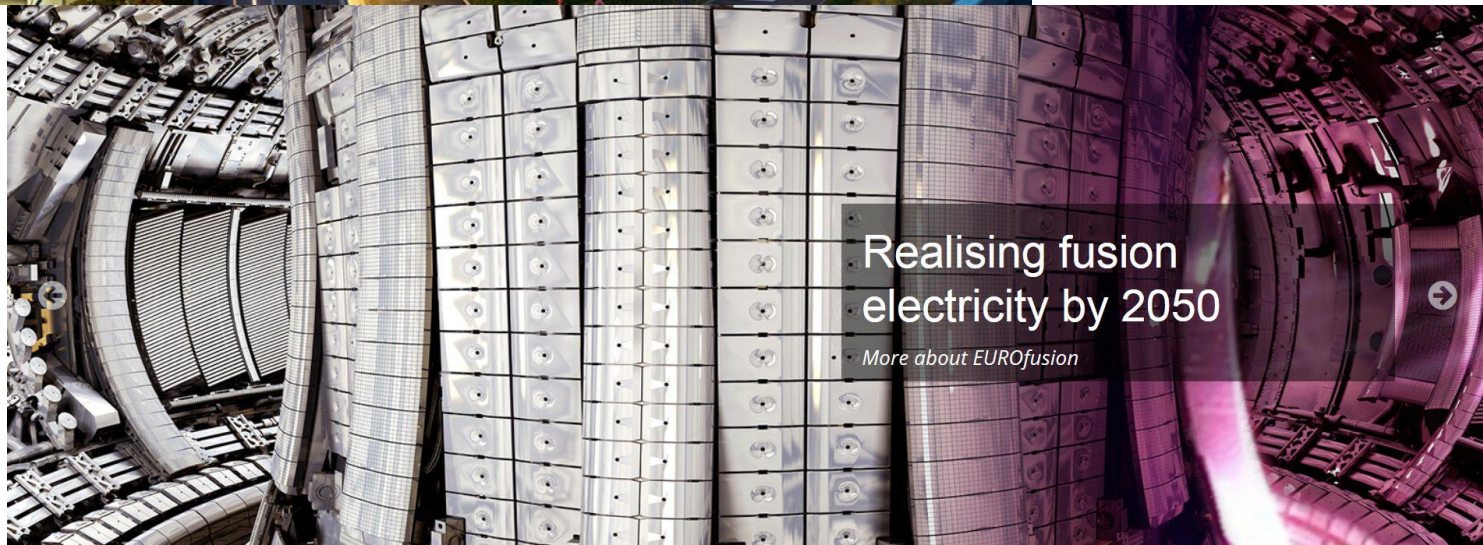
Grenoble, France



**EUROfusion**

[www.euro-fusion.org](http://www.euro-fusion.org)

Garching, Germany



## Realising fusion electricity by 2050

*More about EUROfusion*







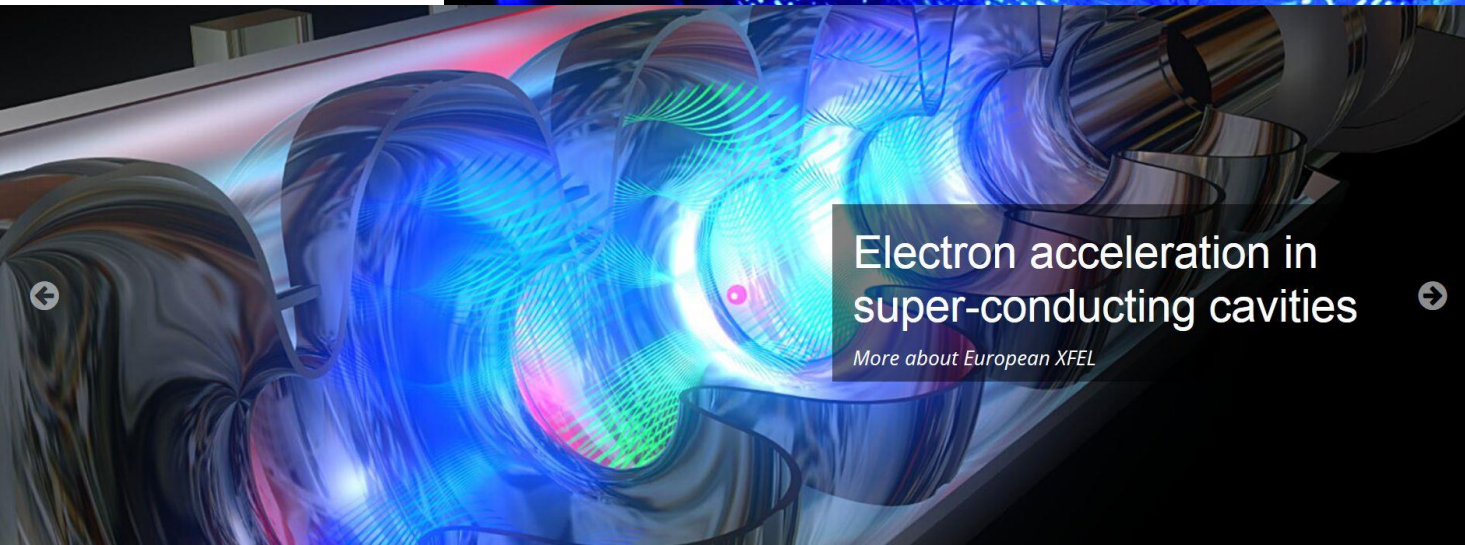
NEUTRONS  
FOR SOCIETY

[www.ill.eu](http://www.ill.eu)  
Grenoble, France



The ILL High Flux  
nuclear reactor

*More about ILL*



Electron acceleration in  
super-conducting cavities

*More about European XFEL*



[www.xfel.eu](http://www.xfel.eu)  
Schenefeld, Germany





## Intergovernmental RIs

Garching, Germany  
▪ ESO, EUROfusion

Geneva, Switzerland  
▪ CERN

Grenoble, France  
▪ ESRF, ILL

Heidelberg, Germany  
▪ EMBL

Paris, France  
▪ ESA

Schenefeld, Germany  
▪ XFEL



EMBL



European Space Agency

[www.eiroforum.org](http://www.eiroforum.org)

Intergovernmental RIs



EUROfusion





# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

Physical Sciences & Engineering

Materials

Energy

Environmental Sciences

Biomedical Sciences

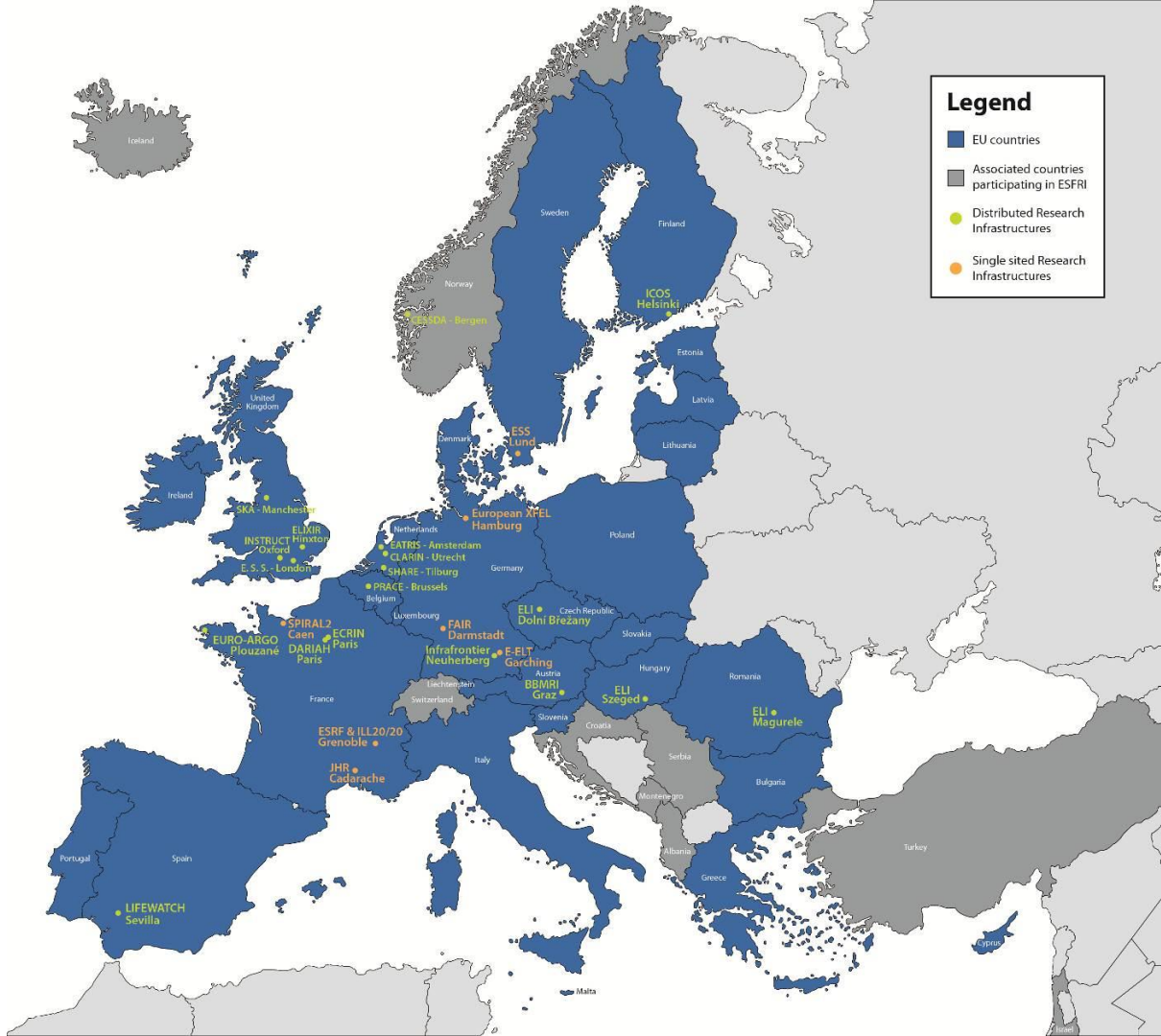
Social Sciences & Humanities

E-infrastructures



## Legend

- EU countries
- Associated countries participating in ESFRI
- Distributed Research Infrastructures
- Single sited Research Infrastructures



## Pan-European RIs – Physical Sciences & Engineering (7)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **CTA:** Cherenkov Telescope Array  
Heidelberg, Germany, [www.cta-observatory.org](http://www.cta-observatory.org)
- **E-ELT:** European Extremely Large Telescope  
Garching, Germany, [www.eso.org/public/teles-instr/elt](http://www.eso.org/public/teles-instr/elt)
- **ELI:** Extreme Light Infrastructure  
Brussels, Belgium, [www.eli-beams.eu](http://www.eli-beams.eu)
- **FAIR:** Facility for Antiproton and Ion Research  
Darmstadt, Germany, [www.fair-center.eu](http://www.fair-center.eu)
- **KM3NeT:** Kilometre Cube Neutrino Telescope  
Amsterdam, Netherlands, [www.km3net.org](http://www.km3net.org)
- **SKA:** Square Kilometre Array  
Manchester, UK, [skatelescope.org](http://skatelescope.org)
- **SPIRAL2:** Facility for the production and study of rare isotope radioactive beams  
Caen, France, [www.ganil-spiral2.eu](http://www.ganil-spiral2.eu)



# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## Physical Sciences & Engineering

- CTA, Heidelberg, Germany  
€? m
- E-ELT, Garching, Germany  
€1.1 billion
- ELI, Brussels, Belgium  
€845 million
- FAIR, Darmstadt, Germany  
€1 billion
- KM3NeT, Amsterdam, Netherlands  
€? m
- SKA, Manchester, UK  
€1.5 billion
- SPIRAL2, Caen, France  
€196 million



## Pan-European RIs – Materials (7)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **CERIC-ERIC**: Central European Research Infrastructure Consortium  
Trieste, Italy, [www.ceric-eric.eu](http://www.ceric-eric.eu)
- **EMFL**: European Magnetic Field Laboratory  
Brussels, Belgium, [www.emfl.eu](http://www.emfl.eu)
- **ESRF**: Upgrade of the European Synchrotron Radiation Facility  
Grenoble, France, [www.esrf.eu](http://www.esrf.eu)
- **ESS**: The European Spallation Source  
Lund, Sweden, [europeanspallationsource.se](http://europeanspallationsource.se)
- **EUROFEL**: Free Electron Lasers of Europe  
Hamburg, Germany, [www.iruvx.eu/e20](http://www.iruvx.eu/e20)
- **XFEL**: European X-Ray Free-Electron Laser Facility GmbH  
Hamburg, Germany, [www.xfel.eu](http://www.xfel.eu)
- **ILL**: Upgrade of the European Neutron Spectroscopy facility based at the Institut Laue Langevin  
Grenoble, France, [www.ill.eu](http://www.ill.eu)



# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## Materials

- CERIC-ERIC, Trieste, Italy  
€? m
- EMFL, Brussels, Belgium  
€? m
- ESRF, Grenoble, France  
€241 million
- ESS, Lund, Sweden  
€1.5 billion
- EUROFEL, Hamburg, Germany  
€? m
- XFEL, Hamburg, Germany  
€1.1 billion
- ILL, Grenoble, France  
€171 million

## Pan-European RIs – Energy (7)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **ECCSEL**: European Carbon Dioxide Capture and Storage Laboratory Infrastructure  
Trondheim, Norway, [www.eccsel.org](http://www.eccsel.org)
- **EU-SOLARIS**: European Solar Research Infrastructure for Concentrating Solar Power  
Almeria, Spain, [www.eusolaris.eu](http://www.eusolaris.eu)
- **HIPER**: High Power Laser Energy research Facility  
Oxford, United Kingdom, [www.hiper.org](http://www.hiper.org)
- **IFMIF**: International Fusion Materials Irradiation Facility  
Rokkasho, Japan, [www.ifmif.org](http://www.ifmif.org)
- **JHR**: Jules Horowitz Reactor  
Cadarache, France, [www-rjh.cea.fr](http://www-rjh.cea.fr)
- **MYRRHA**: European Fast Spectrum Irradiation Facility  
Mol, Belgium, <http://sckcen.be/en>
- **WINDSCANNER**: The European Windscanner Facility  
Roskilde, Denmark, [www.windscanner.eu](http://www.windscanner.eu)





# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## Energy

- ECCSEL, Trondheim, Norway  
€? m
- EU-SOLARIS, Almeria, Spain  
€? m
- HIPER, Oxford, UK  
€? m
- IFMIF, Rokkasho, Japan  
€? m
- JHR, Cadarache, France  
€750 million
- MYRRHA, Mol, Belgium  
€? m
- WINDSCANNER, Roskilde, Denmark  
€? m

## Pan-European RIs – Environmental Sciences (9)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **COPAL**: Heavy Payload Long Endurance Tropospheric Aircraft  
Toulouse, France, [www.eufar.net/copal](http://www.eufar.net/copal)
- **EISCAT\_3D**: The next Generation European Incoherent Scatter Radar System  
Kiruna, Sweden, [www.eiscat.se](http://www.eiscat.se)
- **EMSO**: European Multidisciplinary Seafloor Observatory, Rome, Italy, [www.emso-eu.org](http://www.emso-eu.org)
- **EPOS**: European Plate Observing System, Rome, Italy, [www.epos-ip.org](http://www.epos-ip.org)
- **EURO-ARGO ERIC**: Global Ocean Observing Infrastructure  
Plouzané, France, [www.euro-argo.eu](http://www.euro-argo.eu)
- **IAGOS**: In-Service Aircraft for a Global Observing System, Brussels, Belgium, [www.iagos.org](http://www.iagos.org)
- **ICOS**: Integrated Carbon Observation System, Helsinki, Finland, [www.icos-infrastructure.eu](http://www.icos-infrastructure.eu)
- **LIFEWATCH**: Science and Technology Infrastructure for Biodiversity and Ecosystem Research  
Seville, Spain, [www.lifewatch.eu](http://www.lifewatch.eu)
- **SIOS**: The Svalbard Integrated Arctic Earth Observing System  
Longyearbyen, Norway, [www.sios-svalbard.org](http://www.sios-svalbard.org)





# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## Environmental Sciences

- COPAL, Toulouse, France
- EISCAT\_3D, Kiruna, Sweden
- EMSO, Rome, Italy
- EPOS, Rome, Italy
- EURO-ARGO ERIC, Plouzané, France  
€40 million
- IAGOS, Brussels, Belgium
- ICOS, Helsinki, Finland  
€130 million
- LIFEWATCH, Seville, Spain  
€255 million
- SIOS, Longyearbyen, Norway



[www.envriplus.eu](http://www.envriplus.eu)

# Pan-European RIs

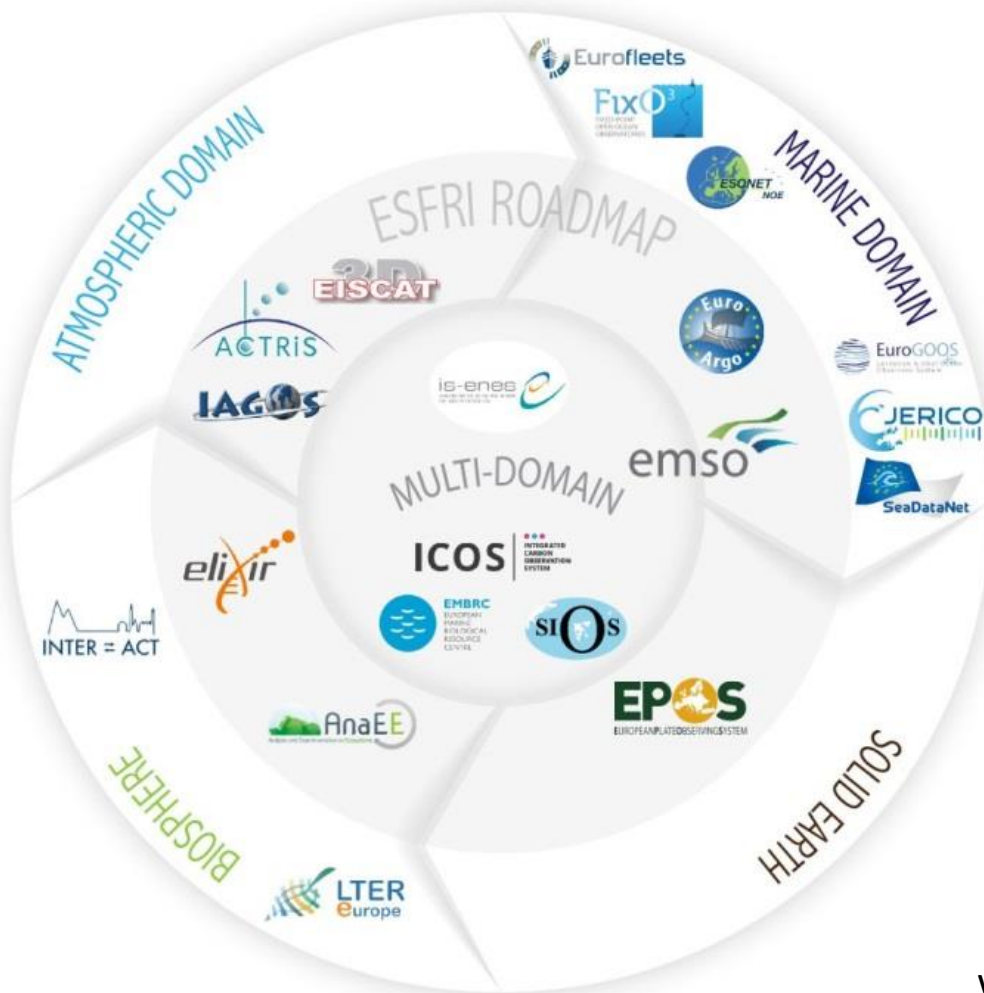
[www.esfri.eu](http://www.esfri.eu)

## Environmental Sciences

- COPAL, Toulouse, France
- EISCAT\_3D, Kiruna, Sweden
- EMSO, Rome, Italy
- EPOS, Rome, Italy
- EURO-ARGO ERIC, Plouzané, France  
€40 million
- IAGOS, Brussels, Belgium
- ICOS, Helsinki, Finland  
€130 million
- LIFEWATCH, Seville, Spain  
€255 million
- SIOS, Longyearbyen, Norway



[www.envriplus.eu/research-infrastructures](http://www.envriplus.eu/research-infrastructures)

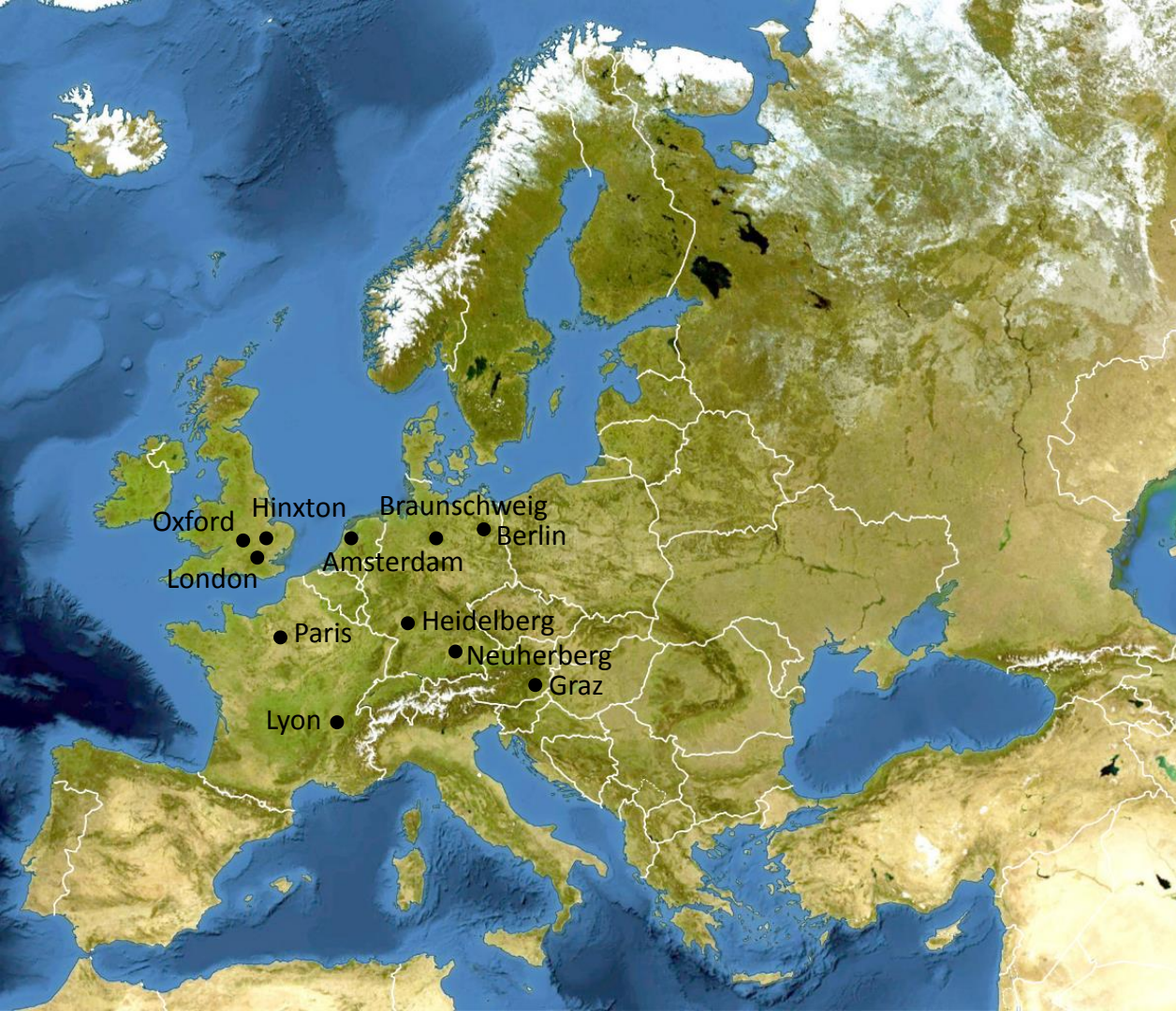




# Pan-European RIs – Biomedical Sciences (13)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **ANAEE**: Infrastructure for Analysis and Experimentation on Ecosystems, Paris, France, [www.anaee.com](http://www.anaee.com)
- **BBMRI-ERIC**: Biobanking and BioMolecular resources Research Infrastructure  
Graz, Austria, [www.bbmri-eric.eu](http://www.bbmri-eric.eu)
- **EATRIS-ERIC**: European Advanced Translational Research Infrastructure in Medicine  
Amsterdam, Netherlands, [eatris.eu](http://eatris.eu)
- **ECRIN-ERIC**: European Clinical research Infrastructures Network, Paris, France, [www.ecrin.org](http://www.ecrin.org)
- **ELIXIR**: European Life-science Infrastructure for Biological Information, Hinxton, UK, [www.elixir-europe.org](http://www.elixir-europe.org)
- **EMBRC**: European Marine Biological Resource Centre, Paris, France, [www.embrc.eu](http://www.embrc.eu)
- **ERINHA**: European research Infrastructure on Highly Pathogenic Agents, Lyon, France, [www.erinha.eu](http://www.erinha.eu)
- **EU-OPENSREEN**: European Infrastructure of Open Screening Platforms for Chemical Biology  
Berlin, Germany, [www.eu-openscreen.eu](http://www.eu-openscreen.eu)
- **EURO-BIOIMAGING**: European Research Infrastructure for Biomedical Imaging  
Heidelberg, Germany, [www.eurobioimaging.eu](http://www.eurobioimaging.eu)
- **Infrafrontier**: European Infrastructure for Phenotyping and Archiving of Model Mammalian Genomes  
Neuherberg, Germany, [www.infrafrontier.eu](http://www.infrafrontier.eu)
- **INSTRUCT**: Integrated Structural Biology Infrastructure, Oxford, UK, [www.structuralbiology.eu](http://www.structuralbiology.eu)
- **ISBE**: Infrastructure for Systems Biology-Europe, London, UK, [project.isbe.eu](http://project.isbe.eu)
- **MIRRI**: Microbial Resource Research Infrastructure, Braunschweig, Germany, [www.mirri.org](http://www.mirri.org)



# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## Biomedical Sciences

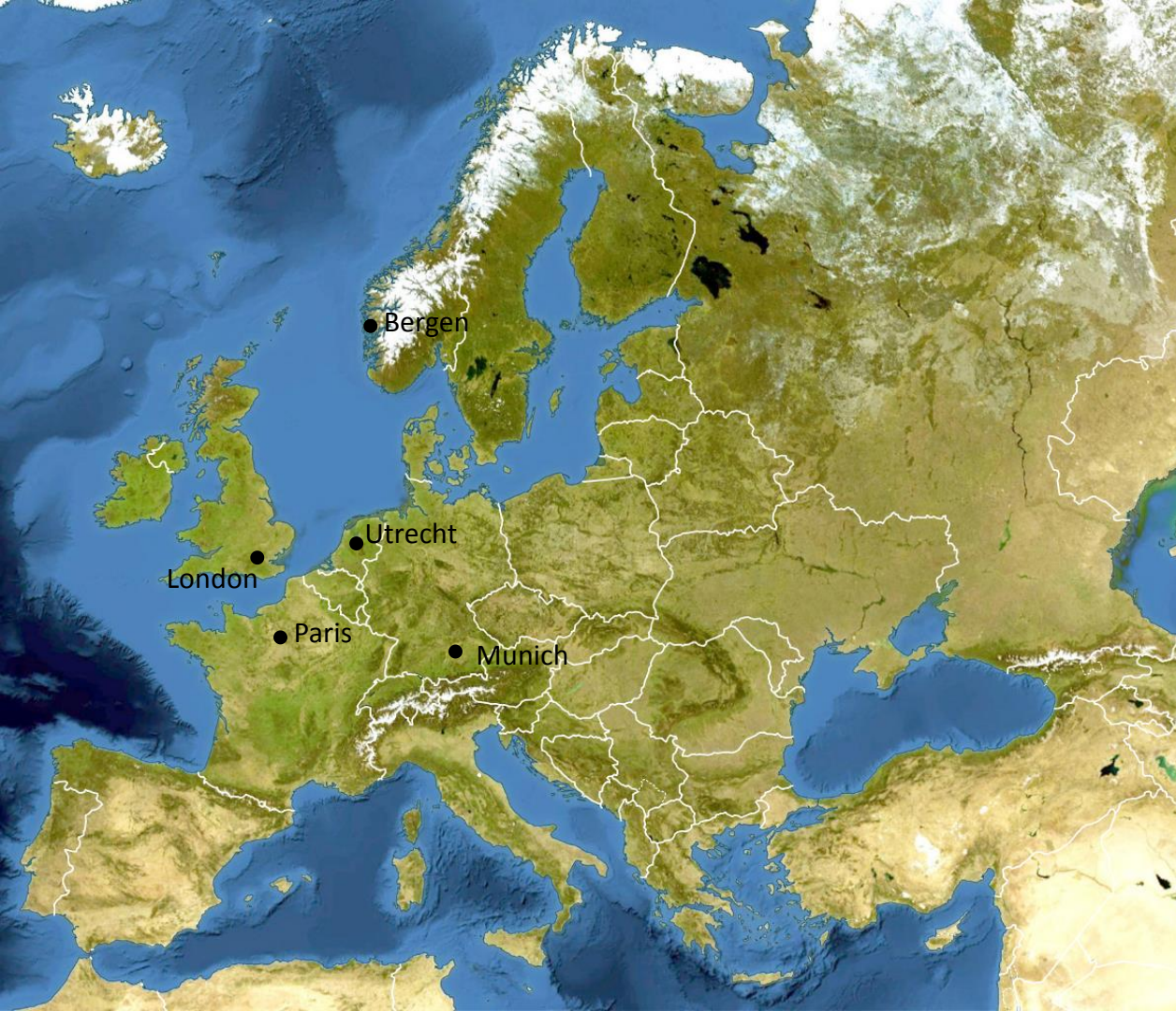
- ANAEE, Paris, France
- BBMRI-ERIC, Graz, Austria, €170 m
- EATRIS-ERIC, Amsterdam, Netherlands
- ECRIN-ERIC, Paris, France
- ELIXIR, Hinxton, UK, €470 million
- EMBRC, Paris, France
- ERINHA, Lyon, France
- EU-OPENSREEN, Berlin, Germany
- EURO-BIOIMAGING, Heidelberg, Germ.
- Infrafrontier, Neuherberg, Germany  
€180 million
- INSTRUCT, Oxford, UK, €300 million
- ISBE, London, UK
- MIRRI, Braunschweig, Germany



## Pan-European RIs – Social Sciences & Humanities (5)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **CESSDA**: Consortium of European Social Science Data Archives  
Bergen, Norway, [www.CESSDA.eu](http://www.CESSDA.eu)
- **CLARIN ERIC**: Common Language Resources and Technology Infrastructure  
Utrecht, Netherlands, [www.clarin.eu](http://www.clarin.eu)
- **DARIAH-ERIC**: Digital Research Infrastructure for the Arts and Humanities  
Paris, France, [www.dariah.eu](http://www.dariah.eu)
- **ESS ERIC**: European Social Survey  
London, UK, [www.europeansocialsurvey.org](http://www.europeansocialsurvey.org)
- **SHARE-ERIC**: Survey of Health, Ageing and Retirement in Europe  
Munich, Germany, [www.share-project.org](http://www.share-project.org)



# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## Social Sciences & Humanities

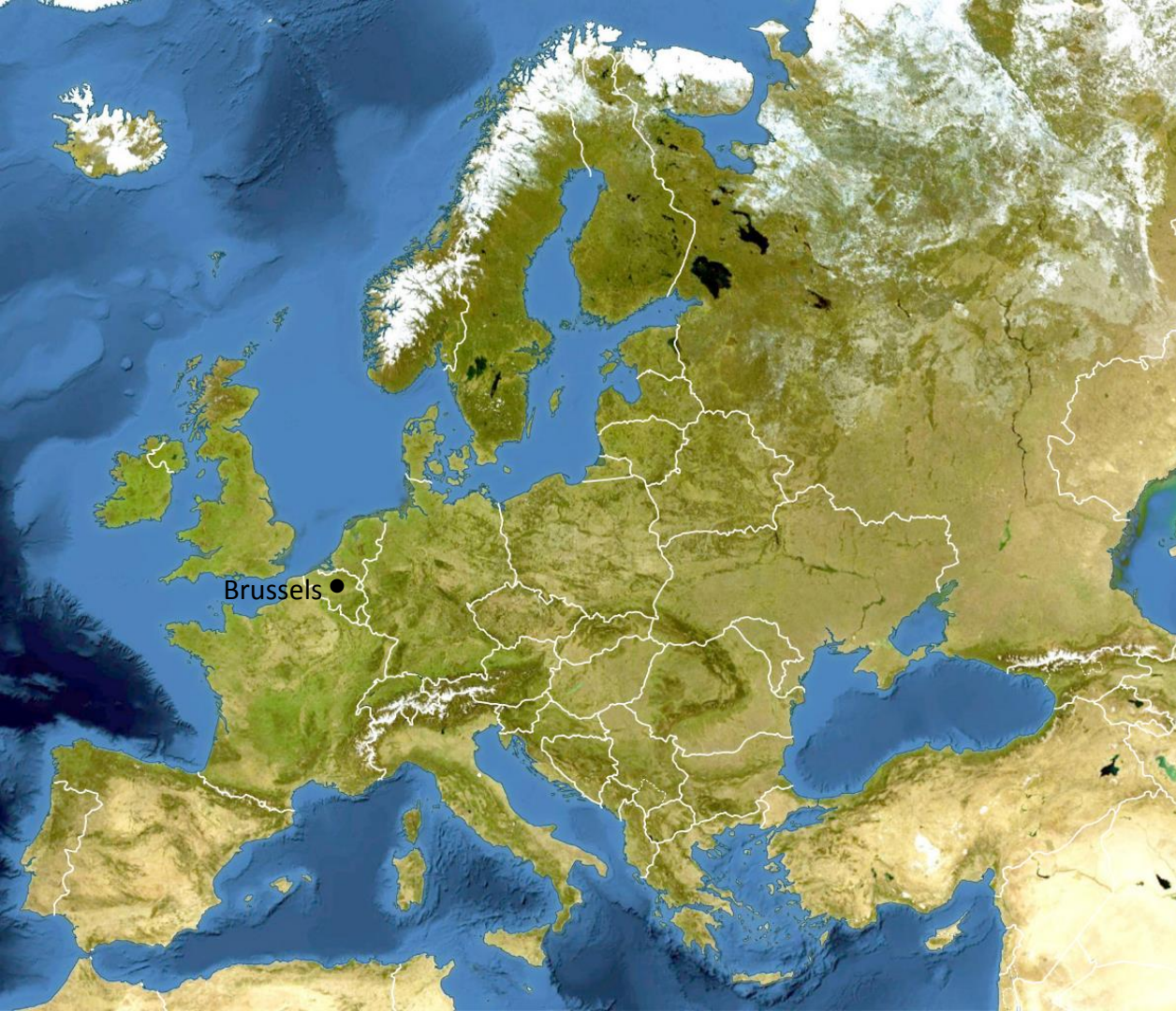
- CESSDA, Bergen, Norway  
€30 million
- CLARIN ERIC, Utrecht, Netherlands  
€104 million
- DARIAH-ERIC, Paris, France  
€20 million
- ESS ERIC, London, UK  
€2 million
- SHARE-ERIC, Munich, Germany  
€23 million



# Pan-European RIs – E-infrastructures (1)

[http://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=mapri\\_european](http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=mapri_european)

- **PRACE**: Partnership for Advanced Computing in Europe  
Brussels, Belgium, [www.prace-ri.eu](http://www.prace-ri.eu)



# Pan-European RIs

[www.esfri.eu](http://www.esfri.eu)

## E-infrastructures

- PRACE, Brussels, Belgium  
€100 million



# National RIs of European interest

[www.esfri.eu/national-roadmaps](http://www.esfri.eu/national-roadmaps)

[www.msmt.cz/vyzkum-a-vyvoj-2/cestovni-mapa-cr-velkych-infrastruktur-pro-vyzkum](http://www.msmt.cz/vyzkum-a-vyvoj-2/cestovni-mapa-cr-velkych-infrastruktur-pro-vyzkum)

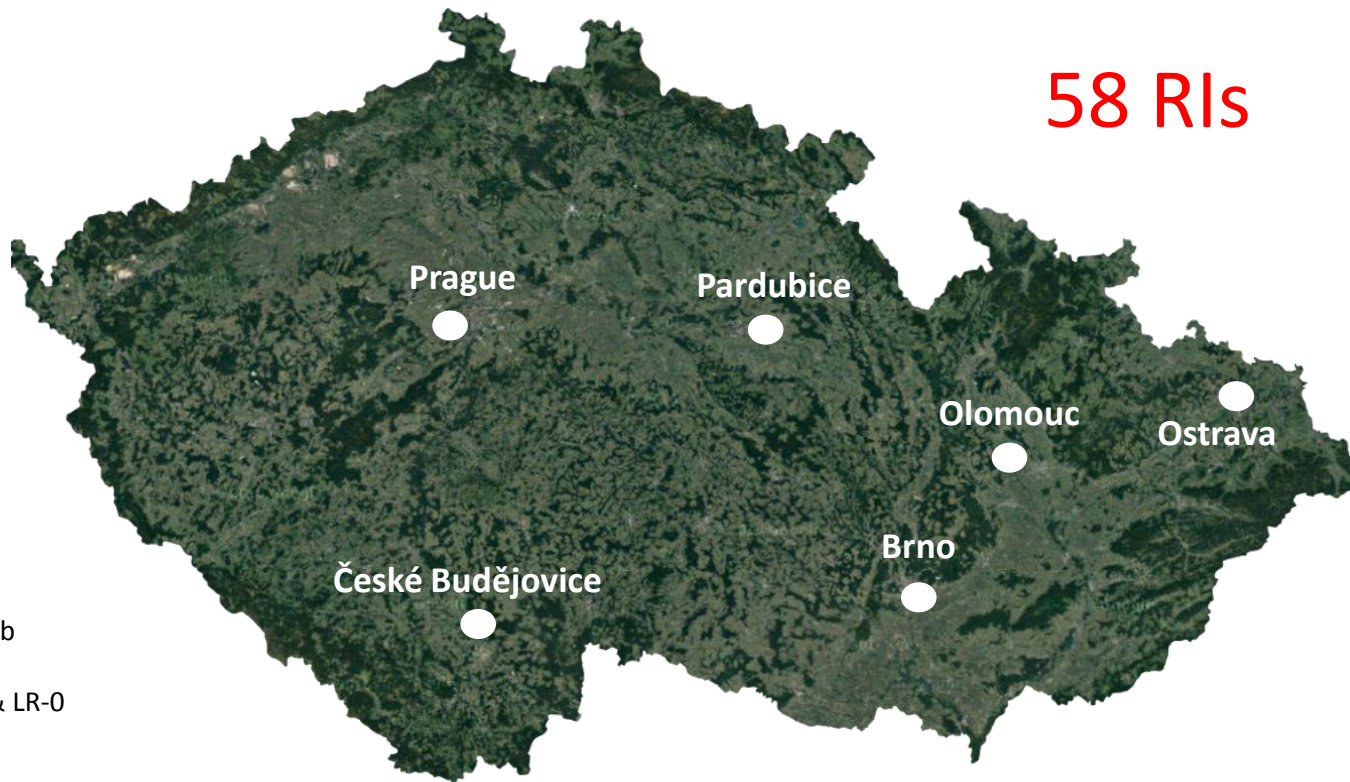
- National and regional RIs that receive EU support, in particular through Integrating Activities projects for transnational access
- Open to all European researchers from academia and industry

AUGER-CZ  
BNL-CZ  
CANAM  
CEITEC Nano  
CENMAT  
CERN-CZ  
CTA-CZ  
ELI Beamlines  
ESS-CZ  
EU-ARC.CZ  
FAIR-CZ  
Fermilab-CZ  
HiLASE  
ILL-CZ  
IPMINFRA  
LNSM  
LSM-CZ  
PALS  
SAFMAT  
SPIRAL2-CZ  
SPL-MSB  
VdG  
CATPRO  
COMPASS  
CVVOZEPPowerLab  
JHR-CZ  
Reactors LVR-15 & LR-0  
RINGEN  
SUSEN

# Czech RIs

[www.esfri.eu/national-roadmaps](http://www.esfri.eu/national-roadmaps)

[www.msmt.cz/vyzkum-a-vyvoj-2/cestovni-mapa-cr-velkych-infrastruktur-pro-vyzkum](http://www.msmt.cz/vyzkum-a-vyvoj-2/cestovni-mapa-cr-velkych-infrastruktur-pro-vyzkum)



WCZV  
ACTRIS-CZ  
CzeCOS  
CzechGeo/EPOS  
CzechPolar2  
NanoEnviCz  
RECETOX  
SoWa  
BBMRI-CZ  
C4SYS  
CCP  
CIISB  
CZECRIN  
Czech-Biolmaging  
CZ-OPENSREEN  
EATRIS-CZ  
ELIXIR-CZ  
NCMG  
AIS CR  
CLB  
CNC  
CSDA  
ESS-CZ  
LINDAT/CLARIN  
RIDICS  
SHARE-CZ  
CERIT-SC  
CESNET  
IT4Innovations



# Research infrastructures

<http://ec.europa.eu/research/infrastructures>

- unique facility
- excellent research
- international overlap
- **open access services**

# Open Access Services of RIs

- 1) Checking of facilities and services of the RI.
  - 2) Formulation of research project.
  - 3) Preparation of an application form.
  - 4) Submission of project application before specific deadlines.
  - 5) Review report of responsible experts.
  - 6) Evaluation of the project by the RI according to technical aspects, feasibility, costs, scientific excellence, novelty, uniqueness and impact of your project.
  - 7) Final decision and detailed feedback to the proposal.
  - 8) Specification of analysis & time schedule, signing of a contract agreement.
  - 9) Preparation of samples and analysis according to instructions.
  - 10) Analysis of samples by the RI, data interpretation.
  - 11) Receiving of analysed data from measurements, consultation & discussion.
  - 12) Acknowledgement to the RI in publications and whenever you will present the data.
- You are expected to share the results in **open access** regime.



Direct access for registered users  
to the CEITEC Nano booking system

**BOOKING SYSTEM**

All necessary stuff to survive inside  
and outside of the cleanroom

**CONSUMABLES**

<http://nano.ceitec.cz/access-for-academic-users/>





<http://nano.ceitec.cz/equipment/>

- Nanofabrication laboratory  
Nanolithography  
Etching & Deposition
- Nanocharacterization laboratory  
Electrical and magnetic measurements  
Microscopy and nanomanipulation  
Optical measurements  
UHV Technologies
- Structural analysis laboratory  
Electron microscopy  
X-ray diffraction
- Micro & nano X-ray CT laboratory
- Laser Spectroscopy laboratory



- Home
- Equipment and services
- Open access
- Application procedure
- Application form
- Outputs
- Testimonials
- Contact



National Centre  
for Toxic Compounds

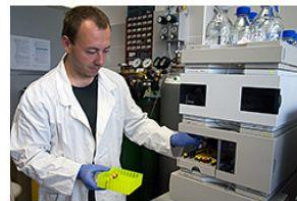


Stockholm Convention  
Regional Centre



RESEARCH  
INFRASTRUCTURE

## RECETOX Research Infrastructure



The RECETOX RI is a research platform for implementation of interdisciplinary projects in environmental science, epidemiology, biomedicine, and bioinformatics using state-of-the-art facilities and equipment, excellent expertise, providing a broad range of services in open access mode.

The RECETOX research infrastructure (RI) was established and is further developed through the European Structural and Investment Funds as well as by national resources.

The RECETOX RI supports operation of long term environmental and population studies, analyses of a broad range of anthropogenic and natural toxins in environmental matrices or in biological tissues, as well as the development of complex software tools for management, analysis, interpretation, and visualization of available data.

Since 2010, the RECETOX RI has been included in the [Czech Roadmap of Large](#)



# CZECHGLOBE

## Global Change Research Institute CAS

ABOUT US

INSTITUTE  
STRUCTURE

OPEN ACCESS

PROJECTS

PUBLICATIONS

CONTACTS

  
Search

### 3.2 CZECHGLOBE – OPEN ACCESS CALL

*Call for research projects demanding access to CzechGlobe research facilities*

Publication date: 26th February 2014 (Edited: 1st February 2017)

#### 3.2.1 Call for projects

CzechGlobe – Centre for Global Climate Change Impacts Studies is a newly established centre within the frame of Operational Programme Research and Development for Innovation – priority axis 1 – European Centres of Excellence (thereinafter just “Czechglobe”) supported mainly by the OP RDI and co-financed from EU funds and the State Budget of the Czech Republic (Project reg. no. CZ.1.05/1.1.00/02.0073). CzechGlobe operates within the framework of Global Change Research Institute CAS (Ústav výzkumu globální změny AV ČR, v. v. i.).



#### News

















August  
4/08

Scientists have explained the causes of famine in Europe in the 9th century

[www.czechglobe.cz/en/open-access/czechglobe-open-access-call/](http://www.czechglobe.cz/en/open-access/czechglobe-open-access-call/)



## ELIXIR CZ Services

All Services	1D sequence	2D typology	3D structure	xD omics
DNA				
RNA				
Protein				
Drugs and other small molecules				

[www.elixir-czech.cz/services](http://www.elixir-czech.cz/services)



POWER OF LIGHT



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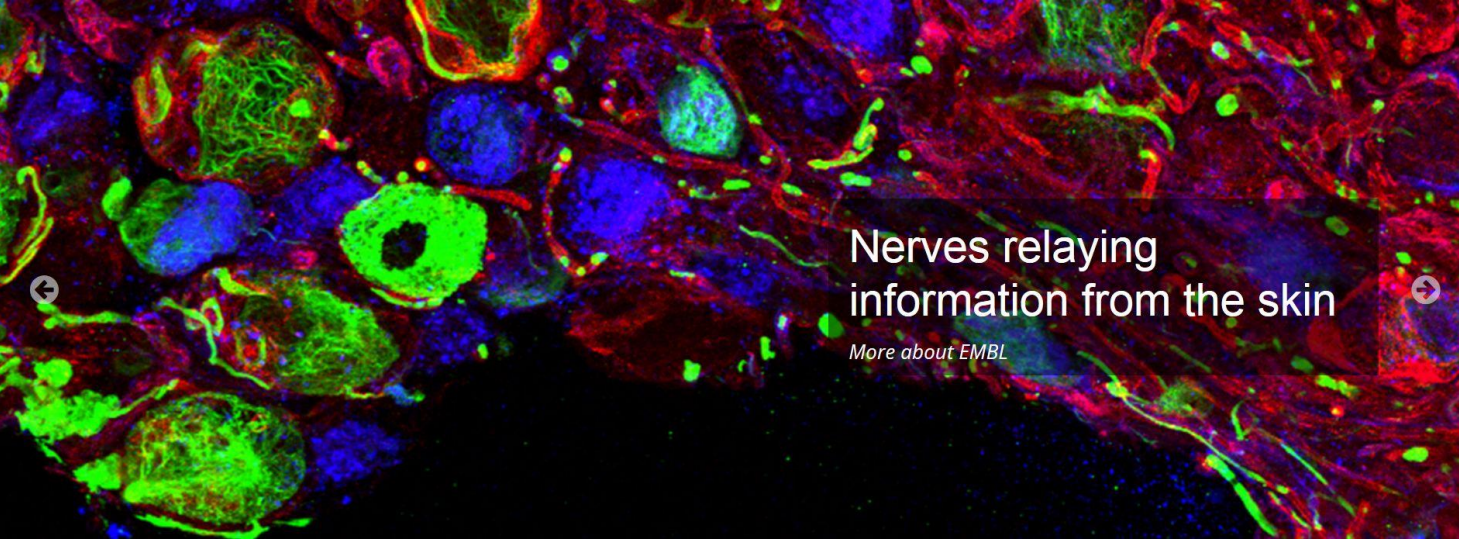
Selection Procedures Career Contacts

KEY TECHNOLOGICAL INFRASTRUCTURE FOR LASER DEVELOPMENT

SUPERLASERS FOR REAL WORLD APPLICATIONS

RELIABLE PARTNER FOR HIGH-TECH INDUSTRY

[www.hilase.cz/en/research-programs/access-to-the-hilase-facility-beam-time-applications-for-the-period-102017-92018/](http://www.hilase.cz/en/research-programs/access-to-the-hilase-facility-beam-time-applications-for-the-period-102017-92018/)



[www.embl.de](http://www.embl.de)  
Heidelberg, Germany

- Advanced Light Microscopy: Widefield-, Confocal-, Super-Resolution-, High-throughput microscopy
- Chemical Biology: Biacore surface plasmon resonance technology (SPR)
- Electron Microscopy: Electron microscopy, Ultramicrotomes, Cryo-ultramicrotomes
- Flow Cytometry: high-parametric and aseptic sorting
- Genomics: massively parallel sequencing (MPS) HiSeq2000, HiSeq4000, MiSeq, NextSeq sequencers
- Metabolomics: high-resolution mass spectrometry system (HRMS) coupled with liquid chromatography (UHPLC) and direct infusion (NanoMate)
- Protein Expression, Purification and biophysical characterisation
- Proteomics: mass spectrometry for MS and LC-MSMS, protein and peptide separation





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Welcome

The MERIL (Mapping of the European Research Infrastructure Landscape) portal provides access to a database that stores information about openly accessible research infrastructures (RIs) in Europe, across all scientific domains, including the social sciences and humanities.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 654296.

*Please note that the MERIL portal is being regularly upgraded and populated with new information on ongoing basis. For any request or issue, please contact [meril\[at\]esf.org](mailto:meril[at]esf.org).*

### Latest Additions

- [Grid5000](#)
- [ELIXIR Luxembourg \(ELIXIR-LU\)](#)
- [Luxembourg Institute of Socio-Economic Research \(LISER\)](#)
- [Materials Research and Technology - Luxembourg Institute of Science and Technology \(MRT-LIST\)](#)
- [IT for Innovative Services - Luxembourg Institute of Science and Technology \(ITIS-LIST\)](#)

### Tweets by @MERILdatabase

MERIL Retweeted

**InRoad**  
@InRoad\_Project

The 2nd @InRoad\_Project Regional Workshop attracted participants from all over Europe highlighting the relevance of the topics discussed! Links to other #ResearchInfrastructure projects

**portal.meril.eu**

# Key words for searching at RIs

<http://ec.europa.eu/research/infrastructures>

- Equipment
- Facility
- Services
- Open access
- Application form
- Booking system
- ...

- European Research Area (ERA): <http://ec.europa.eu/research/era>
- Research Infrastructures (RIs): <http://ec.europa.eu/research/infrastructures>
- EIROforum = Cluster of European intergovernmental RIs, [www.eiroforum.org](http://www.eiroforum.org)
- European Strategy Forum on Research Infrastructures (ESFRI) = Strategic instrument to develop the scientific integration of Europe, [www.esfri.eu](http://www.esfri.eu)  
Cluster of Pan-European RIs: [www.esfri.eu/roadmap-2016](http://www.esfri.eu/roadmap-2016)  
Overview of the national RIs: [www.esfri.eu/national-roadmaps](http://www.esfri.eu/national-roadmaps)
- European Research Infrastructure Consortium (ERIC) = Specific legal form to facilitate the establishment and operation of RIs with European interest  
[https://ec.europa.eu/research/infrastructures/index\\_en.cfm?pg=eric](https://ec.europa.eu/research/infrastructures/index_en.cfm?pg=eric)
- European Environmental Research Infrastructures (ENVRI) = Cluster of environmental RIs across Europe, [www.envriplus.eu](http://www.envriplus.eu)
- Mapping of the European Research Infrastructure Landscape (MERIL) = Database of European RIs, [portal.meril.eu](http://portal.meril.eu)
- Czech RIs: [www.msmt.cz/vyzkum-a-vyvoj-2/velke-infrastruktury-vyzkumu](http://www.msmt.cz/vyzkum-a-vyvoj-2/velke-infrastruktury-vyzkumu)







European  
Research Area



[www.nasa.gov](http://www.nasa.gov)