



# What is EIROforum?



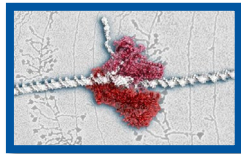
1954



1962



1967



1974



1975



1989



2009



2014

Previously EFDA (1999)

Partnership between eight of Europe's largest intergovernmental scientific organisations



# The EIROforum Charter: signed on 20 November 2002

- Encourage and facilitate discussions among its members on issues of common interest, which are relevant to research and development.
- Maximise the scientific return and optimise the use of resources and facilities by sharing relevant developments and results, whenever feasible.
- Co-ordinate the outreach activities of the organisations, including technology transfer and public education.
- **Take an active part, in collaboration with other European scientific organisations, in a forward-look at promising and/or developing research directions and priorities, in particular in relation to new large-scale research infrastructures.**
- Simplify high-level interactions with the European Commission (EC) and other organs of the European Union, and enable an effective response to specific requests for expert advice in the areas covered by the member organisations.
- Provide co-ordinated representation to the outside world including the general public, national governments and non-European countries.

# EIROforum organisations – common threads



# EIROforum Council

Coordination Group

International Affairs

Instrumentation

Information Technology

Innovation Management and Technology Transfer

Thematic Working Groups

Communication

Diversity

Environment

Librarians

Ombuds

Procurement

Safety

Ad Hoc Working Groups

## Relations with European Commission and other EU bodies

- Contribution to European science policy initiatives and other matters related to international cooperation in the domain of RIs, the ERA, and science in general
- A **Statement of Intent** between the European Commission and the EIROforum Organisations, signed on 24 June 2010, identifies a number of areas for closer cooperation

### Position papers:

- *EIROforum statement on the EU Pact for Research and Innovation* | October 2021
- *Research Infrastructures: value and impact for European science, economy and society* (with the aim of showing the importance of such infrastructures for Europe's recovery after the COVID-19 crisis) | May 2020
- *European Research Infrastructures: Value, Role and Support in Horizon Europe* | May 2019

# European RIs & Innovation

## EIROforum School of Instrumentation

A biennial event organised by the Instrumentation TWG, addressing young researchers (PhD students, postdocs) and engineers – mainly from the EIRO organisations – on instrumentation topics of common relevance



Horizon2020  
European Union Funding  
for Research & Innovation

A Horizon 2020 project developing breakthrough technologies for science and society, ATTRACT is a pioneering initiative bringing together Europe's fundamental research and industrial communities to lead the next generation of detection and imaging technologies.

**7th EIROforum School**  
on Instrumentation

7-11 June 2021 | Virtual event | Register by 2 may 2021

ESI - A joint effort of the instrumentation working group of the EIRO member organisations, to teach basic principles of instrumentation to young researchers, scientists and engineers - covering:

- Principles of radiation detection & detector technologies
- Introduction to detector electronics & data acquisition
- Detector systems and techniques for high energy physics
- Experimental set-ups, lasers, optics & detectors for neutrons, free electron laser & synchrotron radiation applications
- Space-borne and ground-based instrumentation for astronomy
- Measurement techniques for physics and control in fusion

Scientific Organising Committee  
Paolo Mutti (ILL, Co-chair)  
Jean-Claude Bissol (ESRF, Co-chair)

Petra Riedler (CERN)  
Thomas Schneider (EMBL)  
Andrea Murari (EUROfusion)  
Thibaut Prodonhomme (ESA)  
Sebastian Egner (ESO)  
Markus Kuster (European XFEL)

Local Organising Committee  
Paolo Mutti (ILL, Co-chair)  
Sarah Kelleher (ILL)  
Jean-Claude Bissol (ESRF, Co-chair)  
Kimberley Robert (ESRF)

Handling crises, from climate change to pandemics  
[www.eiroforum.org/es2021](http://www.eiroforum.org/es2021)

How to promote your Research  
in a busy project

ESRF EMBL EUROfusion ESA ESO XFEI

## Information Technology / European Open Science Cloud

- Fostering cooperation on large projects promoting European excellence in specific IT areas
- Mandated Organisation status in the EOSC Association

### Position papers:

- *Making EOSC a practical reality – EIROforum’s contribution to the open consultation on EOSC Rules of Participation and FAIR Data Action Plan | July 2018*
- *How EIROforum could contribute to the European Open Science Cloud | November 2017*

EIROforum Conference: “Grand Challenges in AI and Data Science”  
27-28 April 2022, EMBL Heidelberg, Germany



## Innovation & Technology Transfer

Exchange of ideas, experience and good practice to increase effectiveness and commercial benefits arising from the activities of RIs

Topics of interest include:

- Technology Transfer
- IP issues
- Trademark policies
- Innovation models

**BSBF 2022 (Granada,  
4-7 October 2022)**



June 2020

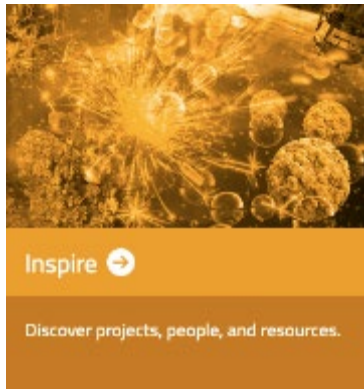
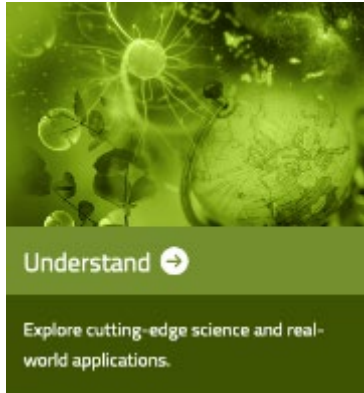
## Science Education: SCIENCE IN SCHOOL

Published and funded by EIROforum, *Science in School* is an online journal which aims to support science teachers by informing and inspiring them on cutting-edge science and technology:

- foster positive attitudes towards science
- attract students to careers in science
- Strengthen teachers' STEM curricula

➤ **Provide engaging teaching material following three editorial guidelines: UNDERSTAND, TEACH, INSPIRE**

<https://www.scienceinschool.org>



# Environment: Uniting science to address climate change



26 October 2021, Online workshop

Co-chaired by Doon Gibbs, Director of Brookhaven National Laboratory and Chair of the **NLDC**, and Francesco Sette, Director General of The European Synchrotron (ESRF) and Chair of **EIROforum**

Included the directors and scientific experts from the eight EIROforum big science facilities and the seventeen DOE National Laboratories, through three round-tables:

- Approaches to Decarbonization: “Reducing the carbon footprint of big science facilities in Europe”, and “Net Zero Carbon and Net Zero Labs”
- Carbon-neutral energy and climate change research and technology at Big Science facilities
- Fostering public engagement on clean energy and climate change research



## PRESS STATEMENT

THE NATIONAL  
LABORATORY  
DIRECTORS'  
COUNCIL

## EIROforum for a stronger ERA

- Knowledge creation and innovation in multidisciplinary areas of research:
  - address societal challenges and industrial needs
  - drivers of innovation (often in close collaboration with European industry)
- Support and enable Open Science
- Mobility, education and access to excellence:
  - offer access to researchers from Europe (and beyond) to state-of-the art facilities
  - provide training and education and promote attractive career paths
  - promote public outreach and science education
- Promotion of international cooperation:
  - integration of research communities from all regions of Europe (and beyond)
  - global scientific collaboration

## EIROforum and ERIC Forum – some potential areas of cooperation

- Governance and Long Term Sustainability of Research Infrastructures:
  - KPIs
  - Socio-economic impact of RIs
    - ✓ First discussions have taken place at working level → workshop to be organised in the spring
  - Environmental impact and carbon neutral policy
- Joint outreach actions / position papers
- Research and Innovation: Interaction of RIs with industry (e.g. BSBF 2022)

# Thank you

Francesco Sette  
Director General ESRF  
Chair EIROforum 2021-2022

