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ICRI 2022 PROGRAMME



MASARYK
UNIVERSITY



ICRI 2022 – Programme Overview

KEY CONFERENCE TOPICS

- **Societal and economic benefits and impacts, and social responsibility of research infrastructures (RIs)** – global and macro-regional dimension; trends and threats in socioeconomic development (SDGs); new policy imperatives for RIs to facilitate the digital and green transition, and sustainable economic development; the role of universities and higher education, engagement of citizens and better communication of the importance of RIs.
- **International cooperation and the role of RIs** – global and macro-regional cooperation models, global approach to research and innovation through RIs, trans-national access to RIs and funding models and related challenges.
- **Developing an integrated RI ecosystem** – the role of small- and medium-scale RI next to large-scale international installations, macro-regional and global data management, sustainability, toolboxes for RIs, careers and mobility of scientific and RI staff.

PLENARY SESSIONS AND GRAND SOCIETAL CHALLENGES PARALLEL SESSIONS

Plenaries and Parallel Sessions will focus on how research infrastructures contribute to addressing Grand Societal Challenges:

- **I. COVID-19 and pandemics of infectious diseases**
- **II. Environment, climate change and mitigation**
- **III. Data and digitalisation of society**

These sessions will explore the convergence of research infrastructure policy-making with policy-making in other sectorial areas, such as business development, industry, energy, environment, agriculture, health, social affairs or security, where research infrastructures essentially contribute to knowledge-based solutions to significant societal and economic challenges.

- **PLENARY 1:** Opening and Introduction
- **PLENARY 2:** Research Infrastructures Addressing Grand Societal Challenges (1st part)
- **PLENARY 3:** Lessons Learned from Parallel Themes and Grand Societal Challenges Parallel Sessions
- **PLENARY 4:** Research Infrastructures Addressing Grand Societal Challenges (2nd part)
- **PLENARY 5:** Conference Closing

PARALLEL THEMES

- **Parallel Theme A: Societal and Economic Benefits and Impact of Research Infrastructures**
Short Title: Benefits and Impact of RIs

The topic of socio-economic benefits and impact of RIs and their assessment is widely discussed in Europe and worldwide. This Parallel Theme (PT) aims to show a broader perspective than highlighting the traditional economic impact RIs have. The focus will be on specific examples of societal impact and benefits RI have in concrete environments in different parts of the world. The speakers will introduce showcases and good-practice examples to demonstrate that RIs have the potential to change the whole environment, including the perception of science, attitude to education, or the life of communities in the RI neighbourhood. We will discuss how we measure the impact and the benefits of RI, or how we know we invest

in the right thing. We will cover the topics of assessment, raising public awareness and knowledge about RI, stakeholder management, citizen engagement.

- **PT A/1:** Communicating Successes and Raising Awareness among Decision-makers, Their Influencers, and the Public
- **PT A/2:** How Do We Know We Are Investing in the Right Things? A Discussion on Building Quality Assurance and Review into the Investment Selection Process.
- **PT A/3:** Advancing Knowledge. Transforming Lives. Inspiring Nations - the Transformative Effect of Research Infrastructures

- **Parallel Theme B: Multi-scale Ecosystem of Research Infrastructures**

Short Title: Multi-scale Ecosystem of RIs

Until recently the policy debate around RIs focused mainly on the large-scale facilities that are costly and typically feasible only when multiple countries join forces. Lately, the ecosystem approach to research infrastructures, which covers the whole spectrum of facilities from the very large ones through the medium all the way to the small-scale ones is emerging. The facilities of various sizes create an ecosystem that is mutually reinforcing. The ecosystem approach is natural for distributed research infrastructures, which are common in the field of life sciences and environment but is relevant for the other research fields as well, which we will strive to demonstrate during this Parallel Theme. One of the first policy documents developing the ecosystem approach is the ESFRI white paper entitled Making Science Happen: A New Ambition for Research Infrastructures in the European Research Area from 2020. This Parallel Theme will investigate various topics touching on the ecosystem approach to research infrastructures, such as: What are the benefits and challenges of research infrastructure ecosystem, both small-to-small and small-to-big? How can modern research infrastructures respond to increasingly complex and interdisciplinary questions and how can the ecosystems approach help in this respect? What are the specific needs of smaller-scale installations/facilities (as opposed to the big ones)? What are the funding modalities for smaller-scale facilities and networks of RIs? How can the notion of the RI ecosystem help to integrate countries across the globe in the worldwide research family?

- **PT B/1:** Multi-scale Ecosystem — Fostering Cooperation Between Facilities at Different Scales
- **PT B/2:** Challenges of Multinational Research Infrastructures – Maintaining Synergistic Relationships
- **PT B/3:** Toolbox Session – Examples of Good Practices for Research Infrastructures Ecosystem Focused on Smaller Scale Facilities

- **Parallel Theme C: Research Infrastructures and Sharing Scientific Data Globally**

Short title: RIs and Scientific Data

This Parallel Theme looks at RIs and sharing scientific data from a local to a global perspective. Instead of analysing what kind of data are managed by the research infrastructures, we will look at the developments taking place to share and reuse these data. In three sub-sessions we will look at: 1) What is happening at a global scale to bring initiatives from different regions in the world together. What are their interactions? 2) What is being done in different global regions, that is relevant for data sharing, preserving, storing etc. to come to a “Web of FAIR data”? 3) Examples of these developments taking place in the different countries.

- **PT C/1:** Data Sharing – Global Initiatives
- **PT C/2:** Data Sharing – Regional Initiatives
- **PT C/3:** Data Sharing – National Initiatives

- **Parallel Theme D: Transnational Access to Research Infrastructures**

Short title: Transnational Access to RIs

Contemporary challenges, such as facilitating the green and digital transitions to counteract climate change, are global in nature and require global cooperation in science. Research Infrastructures, as enablers of excellence-based science, are at the heart of scientific discoveries and innovative solutions. Therefore, ensuring access to world-class facilities and the services they offer for researchers across the globe is essential. However, significant barriers to transnational access to research infrastructures between different countries and world regions still remain. The COVID-19 pandemic on the one hand stalled the mobility of scientists and thus limited physical access, but on the other hand accelerated the development of alternative modes of access, creating additional opportunities.

This theme will explore these different aspects of transnational access, looking into the remaining barriers and how they could be overcome as well as analysing the changes to access modes and their funding models. Collaboration models among Research Infrastructures will also be presented as powerful tools for jointly addressing the most challenging scientific questions and promoting scientific equity and inclusion, as well as diversity of ideas.

- **PT D/1:** Principles for Enabling International Access to RIs
- **PT D/2:** Enabling Global Collaboration and Access to RIs in Times of Crisis
- **PT D/3:** Research Infrastructures Access for Complex Science Questions – Promoting Global Collaboration and Science Diplomacy

ICRI 2022 DETAILED PROGRAMME

Venue: Hotel Passage, Lidická 23, 602 00 Brno

WEDNESDAY 19th October

08:00 – 18:00 Registration Open

12:00 – 13:30 LUNCH

13:30 – 15:30 PLENARY 1: Opening and Introduction

Room: Grand Passage Ballroom

ICRI 2022 aims to discuss the role of RIs when facing different global challenges of both societal and economic nature. The objective is to demonstrate the importance of international cooperation and present good practice examples from various perspectives. The conference opening will bring together representatives of different world macro-regions who will offer their views on the role of RIs, related initiatives and policies from their environments. Key topics and challenging issues relevant to different world macro-regions will be presented.

Moderator: Daniel STACH, Journalist, Presenter, Science Communicator, Czech Television

Speakers

Vladimír BALAŠ, Minister of Education, Youth and Sports, Czech Republic

Mariya GABRIEL, European Commissioner for Innovation, Research, Culture, Education and Youth

Claire SAMSON, Vice-President, Programs and Planning, Canada Foundation for Innovation

Imraan PATEL, Deputy Director-General: Research Development and Support, South African Department of Science and Innovation

Claudia ROMANO, Manager of the Uruguayan Agency for International Cooperation

Cathy FOLEY, Australia's Chief Scientist, Australian Government

Signe RATSO, Acting Director-General for Research and Innovation, European Commission

15:30 – 16:00 COFFEE BREAK

16:00 – 18:00 PLENARY 2: Research Infrastructures Addressing Grand Societal Challenges (1st part)

Room: Grand Passage Ballroom

This plenary session aims to explore ways of converging RI policy-making with policy-making in other sectorial areas, such as business development, industry, energy, environment, agriculture, health, social affairs or security, where RIs essentially contribute to knowledge-based solutions to grand societal and economic challenges. The session shall be political/policy-oriented with more detailed and practical discussions. Suggested timely topics to be addressed include health (e.g. response to COVID-19 and possible future pandemic outbreaks, etc.) and environment (e.g. environmental protection, mitigation of climate change, etc.).

Moderator: Daniel STACH

Topic	Speakers
I. COVID-19 and pandemics of infectious diseases 16:00 – 17:00	Edith HEARD , Director General, European Molecular Biology Laboratory Franciska de JONG , Executive Director, Common LAnguage Resources and Technology Infrastructure (CLARIN ERIC), Europe Theresa PATTERY , Vice President, Head of Disease Management Programs, Janssen Pharmaceutica N.V. (Johnson & Johnson), Global Public Health R&D, Belgium Pierre DELSAUX , Director-General of European Health Emergency Preparedness and Response Authority (HERA), European Commission
II. Environment, climate change and mitigation	Roberta MARINELLI , Director of the Office of Polar Programs, U.S. National Science Foundation

17:00 – 18:00	Mary-Jane BOPAPE , Managing Director of the South African Environmental Observation Network, National Research Foundation Hugh POSSINGHAM , Terrestrial Ecosystem Research Network Advisory Board Chair and Professor at the University of Queensland, Australia Adrian STANICA , Coordinator, International Centre for Advanced Studies on River-Sea Systems (DANUBIUS RI), Romania
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THURSDAY 20th October

7:00 – 18:00 Registration Open

7:30 – 8:45 Early Morning Session: Challenge Based Frameworks to Enhance National Research Infrastructures Impact

Room: Large 2

The research sector is moving from a research domain focus to addressing social challenges, often characterised as missions or grand challenges. Internationally, RI roadmaps and 'strategic opportunities' are being framed around addressing challenge frameworks to help identify areas RI delivers and enables impact and where there are opportunities for collaboration. Challenge frameworks also help to tell the impact story to a broad audience, including decision-makers. Using challenges can also open avenues for collaboration, both domestic and international.

Moderator: Sarah BROWN, Department of Industry, Science, Energy and Resources (DISER), Australian Government

Speakers
Susie ROBINSON , Executive Director, Australian Plant Phenomics Facility
Gelsomina PAPPALARDO , Director of the Institute of Methodologies for Environmental Analysis of the National Research Council of Italy (CNR-IMAA), Italy and Executive Board Member of the European Strategy Forum on Research Infrastructures (ESFRI)
Ronald ROBERTS , Deputy Chief Officer for Research Facilities at the National Science Foundation, USA
María Natalia LISA , Head of the Centre for Structural Biology at CeBEM (Mercosur Center for Structural Biology), Latin America and and Lia PIETRASANTA , Associate Professor, University of Buenos Aires, Argentina

9:00 – 10:30 GRAND SOCIETAL CHALLENGES PARALLEL SESSIONS

What are the remedies that RIs can offer? The aim of these parallel sessions is to show, through case studies, how research infrastructures have contributed to finding solutions to burning issues, specifically the COVID-19 pandemic or climate change, and how they can be useful in the future.

Topic I: COVID-19 and pandemics of infectious diseases

Room: Large 3

Moderator: Jana KOLAR, Chair of European Strategy Forum on Research Infrastructures

Speakers
Nahla AFIFI , Director of the Qatar Biobank
Carlos BATTHYÁNY DIGHIRO , Executive Director, Institut Pasteur de Montevideo, Uruguay
Ewan HARRISON , Deputy Director, COVID-19 Genomics UK Consortium (COG-UK), Group Leader at the Wellcome Sanger Institute and the Department of Medicine at the University of Cambridge
Caterina BISCARI , Director of the ALBA Synchrotron, Spain

Topic II. Environment, climate change and mitigation

Room: Large 2

Moderator: Gelsomina PAPPALARDO, Director of the Institute of Methodologies for Environmental Analysis of the National Research Council of Italy (CNR-IMAA), Italy and Executive Board Member of the European Strategy Forum on Research Infrastructures (ESFRI)

Speakers
Gary W. MILLER , Vice Dean for Research Strategy and Innovation, Professor of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, USA
Benoît PIRENNE , Director, User Engagement, Oceans Network Canada, an initiative of the University of Victoria, British Columbia, Canada
Nicolaus HANOWSKI , Head of Earth Observation and Missions Management & Ground Segments Department, European Space Agency
Sanna SORVARI SUNDET , Vice President, Research Infrastructure Services Unit at Natural Resources Institute Finland

Topic III: Data and digitalisation of society

Room: Grand Passage Ballroom

Moderator: Michael ARENTOFT, Head of Unit for Open Science, Directorate General for Research and Innovation, European Commission

Speakers

Thomas GEENEN, Technology Partnership Lead for Destination Earth, European Centre for Medium-Range Weather Forecasts

Hanifeh KHAYYERI, Vice President Computer Science at RISE Research Institutes of Sweden

Tshiamo MOTSHEGWA, Department of Computer Science, University of Botswana

Michihiko MINOH, Director, RIKEN Information R&D and Strategy Headquarters (R-IH), Japan

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30 PARALLEL THEMES, BLOCK 1

Parallel Theme and Speakers

Parallel Theme A: Societal and Economic Benefits and impact of Research Infrastructures

PT A/1: Communicating Successes and Raising Awareness Among Decision Makers, their Influencers, and the Public

Short Title: Communicating Successes and Raising Awareness

Room: Grand Passage Ballroom

Established primarily to serve scientific objectives, research infrastructures contribute greatly to the pursuit and achievement of economic, social, and policy goals. The lack of broad stakeholder and public awareness of the benefits to society stemming from research infrastructures may lead to the reduction of governmental support and may affect their current and future funding. In a context of competing demands and difficult choices about public spendings, new, clear and more sophisticated engagement strategies are needed to complement communications between the scientific community and policy-makers. This may entail adding public relations and marketing approaches to build arguments for sustainable funding for research infrastructures. Driving this shift is a three-way breakdown of stakeholders between public funders, the general public, and infrastructure users within and outside the scientific community.

This session brings together experts from diverse backgrounds to discuss methods to target and reach specific audiences. A particular focus of the session will be on case studies to illustrate lessons learned and knowledge sharing.

Moderator: Michael O'Neill, Canada Foundation for Innovation

Speakers:

Bryony BUTLAND, Programme Director, United Kingdom Research and Innovation (UKRI)

Claire SAMSON, Vice-President, Programs and Planning, Canada Foundation for Innovation

Daniel STACH, Journalist, Presenter, Science Communicator, Czech Television, Czech Republic

Karl TISCHLER, Head of Communication, EUROfusion

Parallel Theme B: Multi-scale Ecosystem of Research Infrastructures

PT B/1: Multi-scale Ecosystem – Fostering Cooperation Between Facilities at Different Scales

Short Title: Integrated RI Ecosystem

Room: Large 2

Research infrastructures of different scales contribute to tackling various societal challenges. How can these challenges be tackled more efficiently in more intense collaboration at different scales? How can the smaller-scale and the larger-scale infrastructures reinforce each other? What are the examples of research infrastructures ecosystems from around the world and various scientific disciplines?

Moderator: Ondřej HRADIL, Masaryk University, Czech Republic

Speakers:

Julia Fernandez RODRIGUEZ, President, Core Technologies for Life Sciences, Sweden

Rodrigo PORTUGAL, Group Leader, Head of Cryo-EM Facility, Brazilian Nanotechnology National Laboratory (LNNano), National Center for Energy and Materials Research (CNPEM), Brazil

Obed M. OGEA, Programmes Manager, African Academy of Sciences

Jacques DEMOTES, Director General, European Clinical Research Infrastructure Network (ECRIN-ERIC)

Louise WILLINGALE, Electrical Engineering and Computer Science, and the Gérard Mourou Center for Ultrafast Optical Science, University of Michigan, Ann Arbor, USA

Parallel Theme C: Research Infrastructures and Sharing Scientific Data Globally

PT C/1: Data Sharing - Global Initiatives

Short Title: Data - Global Initiatives

Room: Large 1

The aim of this session is to present the major global initiatives for the development and alignment of global Open Science infrastructures supporting data sharing. In particular, the aim is to identify differences and commonalities between these initiatives and how they (plan to) collaborate with and influence the regional and national initiatives.

Moderator: Karel LUYBEN, President, European Open Science Cloud Association

Speakers:

Michael ARENTOFT, Head of Unit for Open Science, Directorate General for Research and Innovation, European Commission

Simon HODSON, Executive Director, CODATA, The Committee on Data of the International Science Council, France

Karen PAYNE, Associate Director for International Technology, World Data System, International Technology Office at the University of Victoria, Canada

Jean-Claude BURGELMAN, Academic Director and Professor of Open Science, Free University of Brussels, Belgium

Gabriela MEJIAS, Community Manager, DataCite, Germany

Parallel Theme D: Transnational Access to Research Infrastructures

PT D/1: Principles for Enabling International Access to RIs

Short Title: International Access to RIs

Room: Large 3

The G7 Group of Senior Officials (GSO) Framework for Global Research Infrastructures (GRIs) and National Facilities of Global Interest identified good practices in transnational access that can be applied to all research infrastructures, especially linking to principles on Global Excellence-driven Access (Criterion 8), E-infrastructures (Criterion 9) and International Mobility (Criterion 12). The session will look into these principles in practice, discuss the existing roadblocks and consider how to deal with them to create practical outcomes, focusing in particular on challenges linked to:

- Funding and cost of access - different models of openness and how to develop co-funding models to facilitate access across countries
- Access to data – security issues, legal barriers (e.g. related to personal or sensitive data), reciprocity in data sharing.
- Emerging new challenges related to expanding access (e.g. promoting common values around research integrity, equitable access, and human capital development)

Moderator: Dominik SOBCZAK, DG R&I, European Commission

Speakers:

Matthew J. HAWKINS, Head of Large Facilities Office, National Science Foundation, USA

Elena HOFFERT, Executive Board Member, European Strategy Forum on Research Infrastructures (ESFRI)

Andrew HARRISON, Chief Executive Officer, Diamond Light Source LTD, UK and from November 2022, Director of Science, Extreme Light Infrastructure ERIC (European Research Infrastructure Consortium)

Agnieszka CHŁOŃ-DOMIŃCZAK, Vice-Rector for Science and Director of the Institute of Statistics and Demography at SGH Warsaw School of Economics and leader of the Polish research group at SHARE 50+ (Survey of Health, Ageing and Retirement in Europe)

Ornela de GIACOMO, Deputy Executive Director, Central European Research Infrastructure Consortium (CERIC-ERIC)

12:30 – 14:00 LUNCH

14:00 – 15:30 PARALLEL THEMES, BLOCK 2

Parallel Theme and Speakers

Parallel Theme A: Societal and Economic Benefits and impact of Research Infrastructures

PT A/2: How Do We Know We Invest in the Right Things? Discussion on Building Quality Assurance and Review into the Investment Selection Process

Short Title: Measuring Success

Room: Grand Passage Ballroom

With resources always being limited, making decisions about what will serve the needs of the stakeholders (i.e., citizens, governments, businesses, teachers, etc.) and what infrastructures to invest in is of utmost importance. The need to invest strategically and in the right areas continues, especially in the face of climate change, environmental degradation, health threats, and societal or cybersecurity considerations. In the post-pandemic world, many nations will be looking even more carefully at their expenditures and programming in the light of budgetary redress.

While measuring impacts remains important, prioritising investments in the right things in the first place becomes even more important. This session will explore how bodies that contribute to research infrastructure investments make decisions, what mechanisms they use to guide their choices, and how public policy and strategy considerations, quality assurance and learning are built into their process.

Moderator: Jan HRUŠÁK, Advisor / Special envoy for Research infrastructures / ESFRI

Speakers:

Alasdair REID, Policy Director, The European Future Innovation System (EFIS) Centre, Belgium

Silvia VIGNETTI, Development and Evaluation Unit, Centre for Industrial Studies (CSIL), Italy

Susie ROBINSON, Executive Director, Australian Plant Phenomics Facility

Massimo FLORIO, University of Milano, Italy

Daniel ADAMS, Chief Director: Basic Sciences and Infrastructure, Department of Science and Innovation, South Africa

Parallel Theme B: Multi-scale Ecosystem of Research Infrastructures

PT B/2: Challenges of Multinational Research Infrastructures – Maintaining Synergistic Relationships

Short Title: Multinational RI and International Cooperation

Room: Large 2

This session will focus on the geographical challenges. Unless positioned geographically for scientific reasons, the big research infrastructures are typically located in advanced countries. At the same time, hosting a research infrastructure creates a number of challenges and risks (financial, operational, etc.). Thus, securing access and leveraging resources for relevant research infrastructures might be a very reasonable approach for all parties. We will also look at the cooperation aspects across the continents.

Moderator: Alejandro BUSCHIAZZO, Institut Pasteur Montevideo, Uruguay

Silke SCHUMACHER, Hub Coordinator, Instruct-ERIC

Udunna ANAZODO, Department of Neurology and Neurosurgery, Montreal Neurological Institute, McGill University, Canada

Jane FITZPATRICK, Chief Executive Officer, Australian National Fabrication Facility

Leonel MALACRIDA, Head Advanced Bioimaging Unit, Institut Pasteur Montevideo, Uruguay

Parallel Theme C: Research Infrastructures and Sharing Scientific Data Globally

PT C/2: Data Sharing - Regional Initiatives

Short Title: Data – Regional Initiatives

Room: Large 1

This section will present – covering important world regions – various infrastructure initiatives that either support implementing the open science principles or that rely on these principles to support excellent science. These initiatives share a common interest in technological support and promoting data sharing. The aim is to relate the different approaches to each other, to identify commonalities and differences, and to show the impact on the adoption of open science by scientific communities.

Moderator: Marialuisa LAVITRANO, Coordinator of RItrain Plus project, Italy

Speakers:

Rosie HICKS, Chief Executive Officer, Australian Research Data Commons

Ewa DEELMAN, Research Professor and Research Director, Information Sciences Institute, University of Southern California, USA

Jianhui LI, Computer Network Information Center, Chinese Academy of Science, CSTCloud

Suzanne DUMOUCHEL, Partnerships Coordinator, OPERAS and Member of the Board of Directors of the EOSC Association, Belgium

Tania ALTAMIRANO, Academic Relations Manager at RedCLARA, Nicaragua

Parallel Theme D: Transnational Access to Research Infrastructures**PT D/2: Enabling Global Collaboration and Access to Research Infrastructures in Times of Crisis****Short Title: Access to RI in Times of Crisis**

Room: Large 3

The Covid-19 pandemic had a substantial negative impact on the research infrastructures that relied primarily on physical access, stimulating accelerated adaptation of alternate access modes. The session will discuss how to handle access in times of different types of crises (health, environmental, political) requiring a global response and recovery.

In the context of the GSO Framework, this session will look into the organisation of transnational access to RIs in times of crisis and the evolution of access modes in the aftermath of the Covid-19 pandemic. Experiences of RIs in different areas and parts of the world will also be shared and discussed.

In particular, increased digital and remote access possibilities offer substantial opportunities, such as lower costs for users, expanded access to non-traditional users, more efficient use of facilities, and better coordination of research activities. At the same time, new challenges appear, such as increased staffing needs and different competencies required, which could add to the cost for funders. There are also potential intangible losses, such as limited contact among colleagues, RI managers, and RI users leading to decreasing educational and workforce developmental role of RIs. Finally, the session will look into any structural changes and practices that can be put in place to accelerate responses to global challenges and recovery beyond pre-pandemic use levels.

Moderator: Francisco COLOMER, ERIC Forum

Speakers:

Bruno COUTARD, European Virus Archive Global, Aix Marseille University, France

Claudia FILIPPONE, European Research Infrastructure on Highly Pathogenic Agents (ERINHA)

Clifford NXOMANI, Deputy Chief Executive Officer, National Research Foundation of South Africa

Gregory BOEBINGER, Director, National High Magnetic Field Laboratory, USA

Michael JAMES, Australian Synchrotron

Toshiyasu ICHIOKA, Director, RIKEN Europe Office

Nicolas PADE, Executive Director, European Marine Biological Resource Centre (EMBRC-ERIC)

15:30 – 16:00 COFFEE BREAK

16:00 – 18:00 PARALLEL THEMES, BLOCK 3

Parallel Theme and Speakers

Parallel Theme A: Societal and Economic Benefits and impact of Research Infrastructures**PT A/3: Advancing Knowledge. Transforming Lives. Inspiring Nations - the Transformative Effect of Research Infrastructures****Short Title: Transformative Effect of RI**

Room: Grand Passage Ballroom

Highly specialised research infrastructures often require special operational conditions and environments (e.g. an environment that is isolated from radio frequency interference, light, or noise pollution, or that requires seismic stability, etc.). Therefore, research infrastructures are often placed in remote and isolated areas that are adjacent to communities. This means that beyond producing world-class and ground-breaking science, these research infrastructures are becoming active in shaping the socio-economic conditions that surround them. This adds an additional layer of complexity to RI management, and it may mean investment in health, education, enterprise development, supplier development and employment creation, on top of the core business of these facilities. Through that, the faces of the communities can be turned towards the research infrastructures, not just as places of scientific wonder, but as gardens in which future Albert Einsteins & Marie Curies from these communities are grown. In this session, professionals from research infrastructures across the globe will share their experiences of walking this tightrope of meeting their global expectations of scientific and technological excellence on the one side, and a sharpened local social conscience on the other.

Moderator: Johannes GUTLEBER, Future Circular Collider, Directorate Office for Accelerators and Technology, CERN

Speakers:

Johannes GUTLEBER, Future Circular Collider, Directorate Office for Accelerators and Technology, CERN

Adrian TIPLADY, Deputy Managing Director: Strategy & Partnerships, South African Radio Astronomy Observatory

Gihan KAMEL, Sesame Infrared Beamline Principal Scientist, Synchrotron-Light for Experimental Science and Applications in the Middle East

Sun Kun OH, Emeritus Professor of Physics, Konkuk University and Senior Consultant for Center for Underground Physics, Institute of Basic Sciences, South Korea

Xavier BARCONS, Director General of the European Organisation for Astronomical Research in the Southern Hemisphere (ESO)

Parallel Theme B: Multi-scale Ecosystem of Research Infrastructures**PT B/3: Toolbox Session – Examples of Good Practices for Research Infrastructures Ecosystem Focused on Smaller Scale Facilities****Short Title: Toolbox Session – RI Ecosystem**

Room: Large 2

Examples of good practices of smaller-scale facilities focusing on 1) governance and management, 2) training, education and careers, and 3) networking and local ecosystems will be presented.

Moderator: Frédéric SGARD, Project Administrator at the Global Science Forum, OECD

Speakers:

Sally CHAMBERS, Digital Humanities Research Coordinator, Ghent Centre for Digital Humanities, Ghent University, Belgium

Lavanya PREMVARDHAN, Core Facilities Working Group, EU-LIFE

Alberto ZIGONI, Portfolio Integration Director, Research Intelligence Solutions at Elsevier, Italy

Marialuisa LAVITRANO, Coordinator of RltrainPlus project, Italy

Tanja NINKOVIC, Programme Manager of the ARISE Training Program, European Molecular Biology Laboratory, Germany

Rosario DURÁN, Head of Technological Unit, Institut Pasteur de Montevideo, Uruguay

Lia PIETRASANTA, Associate Professor, University of Buenos Aires, Argentina

Joshua Z. RAPPOPORT, Executive Director, Research Infrastructure & Operations, Boston College, USA

Parallel Theme C: Research Infrastructures and Sharing Scientific Data Globally

PT C/3: Data Sharing - National Initiatives

Short Title: Data – National Initiatives

ROOM: Large 1

This panel will elaborate on how individual nation-states build and coordinate national infrastructures for Open Science and data sharing in particular. These include the National Research Data Infrastructure in Germany, New Digital Research Infrastructure Organization in Canada, the Open Science Promotion at the Cabinet Office in Japan, and others. The panel will also target the adoption of these initiatives by research communities to support multidisciplinary research and collaboration needed to target contemporary grand challenges of the sustainable development goals, as represented by the new ESFRI project EIRENE. The aim is to compare the different approaches to connect and harmonise on a larger (regional and global) scale, complemented with the impact on the national research landscapes.

Moderator: Luděk MATYSKA, Masaryk University, Czech Republic

Speakers:

York SURE-VETTER, Director of National Research Data Infrastructure, Germany

Mark LEGGOTT, Director of International Relations, Digital Research Alliance of Canada, Canada

Yasuhiro MURAYAMA, Research Executive Director at National Institute of Information and Communications Technology, Japan, Member of Science Council of Japan, Member of Expert Panel of Open Science Promotion at Cabinet Office of Japan

Jana KLÁNOVÁ, Director of RECETOX at Masaryk University & Coordinator of EIRENE Research Infrastructure, Czech Republic

Parallel Theme D: Transnational Access to Research Infrastructures

PT D/3: Research Infrastructures Access for Complex Science Questions – Promoting Global Collaboration and Science Diplomacy

Short Title: RIs Access for Complex Science Questions

Room: Large 3

Contemporary scientific challenges are increasingly complex with multinational, geopolitical impacts. Addressing them requires scientific services and data beyond a single facility, domain or country, thus necessitating that RIs engage more fully in science diplomacy at the grass-roots level. Key examples of such challenges include earth and climate observation, pandemic outbreaks or multi-messenger science. Do we have the tools at the global level to address such complex scientific questions? The session will explore the principles and models of global collaborations, including legal and governance arrangements as well as integrating and sharing of results.

Opportunities for access to world-leading research infrastructures, where top scientists meet, learn from each other and establish new collaborations, play an important role also in promoting scientific diversity, equity and inclusion, thus acting as hubs of science diplomacy. The session will also explore specific international research infrastructure initiatives promoting more inclusive access leading to upskilling and better connecting researchers across the world. The session will reflect on how we can strengthen and upscale such actions, including exploring sources of funding and models for reciprocal sharing of access to RI services and data.

Moderator: Andrew HARRISON, Chief Executive Officer, Diamond Light Source LTD, UK and from November 2022, Director of Science, Extreme Light Infrastructure ERIC (European Research Infrastructure Consortium)

Speakers:

Apostolia KARAMALI, Head of Unit for Research and Innovation Actors and Research Careers, Directorate General for Research and Innovation, European Commission

Giorgio ROSSI, Physics Department of the Università degli Studi di Milano, Italy

Francisco COLOMER, Director, JIVE-ERIC

Mirjam VAN DAALEN, Head of Communications, Paul Scherrer Institut, Switzerland

Anita HEWARD, Communications Manager, Europlanet 2024 Research Infrastructure, School of Physical Sciences, University of Kent

Ed MITCHEL, Head of Business Development, Experiments Division, The European Synchrotron Radiation Facility (ESRF), France

Hank LOESCHER, The National Ecological Observatory Network, USA

Claudia Alén AMARO, Senior Programme Manager at the Integrated Structural Biology Infrastructure (Instruct-ERIC), UK

Werner KUTSCH, Director General, ICOS ERIC (Integrated Carbon Observation System)

19:00 – 22:00 ICRI 2022 SOCIAL EVENT

FRIDAY 21st October

Venue: Hotel Passage, GRAND PASSAGE BALLROOM

8:00 – 11:30 Registration Open

9:00 – 9:40 PLENARY 3: Lessons Learned from Parallel Themes and Grand Societal Challenges Parallel Sessions

This plenary session will summarise the main discussion points and lessons learned from the sessions held the previous day.

Moderator: Daniel Stach, Journalist, Presenter, Science Communicator, Czech Television

Speakers
Rapporteurs from Parallel Themes

9:40 – 11:00 PLENARY 4: Research Infrastructures Addressing Grand Societal Challenges (2nd part)

The plenary session aims to explore ways of convergence of RI policy-making with policy-making in other sectorial areas. The plenary shall be political/policy-oriented, with more detailed and practical discussions addressing the topic of Data and the digitalisation of society.

Moderator: Anna PANAGOPOULOU, Director for ERA & Innovation, Directorate-General for Research & Innovation, European Commission

Topic	Speakers
III. Data and digitalisation of society	<p>Ivan BARTOŠ, Deputy Prime Minister for Digitisation and Minister of Regional Development, Government of the Czech Republic</p> <p>Karel LUYBEN, President of the European Open Science Cloud Association</p> <p>Émilie PAQUIN, Director of research and strategic development, Université de Montréal, Érudit Consortium / Coalition Publica, Canada</p> <p>Piyawut SRICHAIKUL, ASEAN HPC Task Force Co-Chair, Director of National Science and Technology Development Agency (NSTDA) Supercomputer Center (ThaiSC), Thailand</p> <p>Tommaso CALARCO, Director, Institute for Quantum Control at Forschungszentrum Jülich</p>

11:00 – 11:30 COFFEE BREAK

11:30 – 12:15 ICRI Ceremony: Awards and Memorandums of Understandings / Brno Declaration on Fostering a Global Ecosystem of Research Infrastructures

Topic	Speakers
Brno Declaration on Fostering a Global Ecosystem of Research Infrastructures	<p>Václav VELČOVSKÝ, Deputy Minister for the European Union, International Affairs and the EU Cohesion Policy Funds, Ministry of Education, Youth and Sports of the Czech Republic</p> <p>Joanna DRAKE, Deputy Director-General, Directorate-General for Research and Innovation, European Commission</p>
ERIC Plates Ceremony	<p>Joanna DRAKE, Deputy Director-General, Directorate-General for Research and Innovation, European Commission</p> <p>Francisco COLOMER, Chair, ERIC Forum</p> <p>Marta ABRANTES, Foundation for Science and Technology, Portugal on behalf of MIRRI (The Microbial Resource Research Infrastructure)</p> <p>Diego MARTÍNEZ PLAZA, EU-SOLARIS coordinator</p>
Memorandum of Understanding signature between Instruct-ERIC and CNPEM	<p>Harald SCHWALBE, Director, Instruct-ERIC, United Kingdom</p> <p>Rodrigo VILLARES PORTUGAL, Director, National Center for Research in Energy and Materials, Brazil</p>
Memorandum of Understanding signature between Euro-Biolmaging and Institut Pasteur de Montevideo	<p>Antje KEPPLER, Biological Hub Director, Euro-Biolmaging, Germany</p> <p>Carlos BATTHYÁNY DIGHIERO, Executive Director, Institut Pasteur de Montevideo, Uruguay</p>

12:15 – 13:00 PLENARY 5: Conference Closing

Speakers
Jana KOLAR , Chair of European Strategy Forum on Research Infrastructures
Joanna DRAKE , Deputy Director-General, Directorate-General for Research and Innovation, European Commission
Ronald ROBERTS , Deputy Chief Officer for Research Facilities at the National Science Foundation, USA

Jiří NANTL, Deputy Governor of the South Moravian Region and Director of CEITEC MU, Central European Institute of Technology, Masaryk University, Czech Republic

Václav VELČOVSKÝ, Deputy Minister for the European Union, International Affairs and the EU Cohesion Policy Funds, Ministry of Education, Youth and Sports of the Czech Republic

Hand over to ICRI 2024 organisers

Sarah BROWN, Counsellor for Industry, Science and Resources, Australian Embassy to Belgium, Luxembourg and Mission to the European Union and NATO

13:00 – 14:00 LUNCH