

**I C R I**  
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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 (RI)** – global/macro-regional dimension; trends and threats in socioeconomic development (SDGs); new policy imperatives for RI 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, new European Research Area (ERA) in the global perspective, trans-national access to RI and funding models and 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 RI, careers and mobility of scientific and RI staff.

## PLENARIES AND GRAND SOCIETAL CHALLENGES PARALLEL SESSIONS

Plenaries and Parallel Sessions (PS) 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 sectoral areas, such as industry, energy, environment, agriculture, health, social affairs or security, where research infrastructures essentially contribute to knowledge-based solutions for significant societal and economic challenges.

- **PLENARY 1:** Opening and Introduction
- **PLENARY 2:** Research Infrastructures Addressing Grand Societal Challenges (1<sup>st</sup> part)
- **PLENARY 3:** Lessons Learned from Parallel Themes and Grand Societal Challenges Parallel Sessions
- **PLENARY 4:** Research Infrastructures Addressing Grand Societal Challenges (2<sup>nd</sup> 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 scientific cooperation. Research Infrastructures, as enablers of excellent science, are at the heart of scientific discoveries and innovative solutions. Therefore, ensuring access to the 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 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.

- **PT D/1:** What Does Transnational Access Mean in the Aftermath of the COVID-19 Pandemic?
- **PT D/2:** Overcoming Current Bottlenecks to Transnational Access to RIs at International Level
- **PT D/3:** Global Collaboration for Complex Science Questions, Scientific Equity and Inclusion

## ICRI 2022 DETAILED PROGRAMME

### WEDNESDAY 19<sup>th</sup> October

**12:00 – 13:30 LUNCH**

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

Setting the scene with main topics and political messages for ICRI 2022. ICRI 2022 aims to discuss the role of RIs when facing different global challenges. We wish to demonstrate the importance of international cooperation and bring examples with different dimensions from numerous countries. The conference opening will bring together representatives of different macro-regions who will offer their perspectives on the role of RIs, related initiatives and policies from their environments. We will learn more about the key topics or challenging issues relevant to different parts of the world.

#### Speakers

Minister of Education, Youth and Sports of Czechia

Maryia Gabriel (tbc), European Commissioner for Innovation, Research, Culture, Education and Youth

**Roseann O'Reilly Runte**, President and CEO of Canada Foundation for Innovation

**Daan de Toit**, Deputy Director-General, International Cooperation and Resources, South African Department of Science and Innovation

**Claudia Romano**, Agencia Uruguaya de Cooperación Internacional

**Cathy Foley**, Australia's Chief Scientist

Moderated discussion guided by the conference moderator

### 15:30 – 16:00 COFFEE BREAK

### 16:00 – 18:00 PLENARY 2: Research Infrastructures Addressing Grand Societal Challenges (1<sup>st</sup> part)

The aim of this Plenary is to explore ways of convergence of RI policy-making with policy-making in other sectorial areas, such as industry, energy, environment, agriculture, health, social affairs or security, where RI essentially contribute to knowledge-based solutions to major 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 (response to COVID-19 and possible future pandemic outbreaks) and environment (mitigation of climate change).

Topic	Speakers
<b>I. COVID-19 and pandemics of infectious diseases</b>	<p><b>Edith Heard</b>, Director General, European Molecular Biology Laboratory (EMBL)</p> <p><b>Franciska de Jong</b>, Executive Director CLARIN ERIC, Europe</p> <p><b>Ruxandra Draghia-Akli</b>, Global Head, Global Public Health R&amp;D at The Janssen Pharmaceutical Companies of Johnson &amp; Johnson</p> <p><b>Pierre Delsaux</b>, Director-General of European Health Emergency Preparedness and Response Authority (HERA), European Commission</p>
<b>II. Environment, climate change and mitigation</b>	<p><b>Roberta Marinelli</b>, Office Director, Office of Polar Programs, National Science Foundation</p> <p><b>Mary-Jane Bopape</b>, Managing Director of the South African Environmental Observation Network</p> <p>Radek Špicar (tbc), Vice President Business Europe</p>

## THURSDAY 20<sup>th</sup> October

### 7:30 – 8:30 BREAKFAST SESSION: Challenge Based Frameworks to Enhance National Research Infrastructures Impact

The research sector is moving from a research domain focus to addressing social challenges, often characterised as missions or grand challenges. International RI roadmaps are increasingly using challenge frameworks to reflect this trend and identify future RI needs (see the UKRI and ESFRI Roadmaps). Challenge frameworks can help identify areas where RI delivers and enables impact. It also helps to tell the impact story to a broad audience including policy and investment decision makers.

Using challenges can also open avenues for both domestic and international collaboration. This session will focus on three countries/regions' experiences with challenge-based frameworks or roadmaps.

Speakers
<b>Susie Robinson</b> , Executive Director, Australian Plant Phenomics Facility
<b>Gelsomina Pappalardo</b> , Director of the Institute of Methodologies for Environmental Analysis of the National Research Council of Italy (CNR-IMAA), Italy and ESFRI Executive Board Member
3rd speaker to be confirmed
Panel Discussion

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

Continuation of Plenary Sessions 2 and 4 on Research Infrastructures Contributing to Grand Societal Challenges, this time in the environment of RIs. 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	Speakers
<b>PS I. COVID-19 and pandemics of infectious diseases</b>	<p><b>Nahla Afifi</b>, Director of the Qatar Biobank</p> <p><b>Carlos Batthyány Dighiero</b>, Executive Director, Institut Pasteur de Montevideo, Uruguay</p> <p><b>Ewan Harrison</b>, Deputy Director, COVID-19 Genomics UK Consortium (COG-UK) and Group Leader at the Wellcome Sanger Institute and University of Cambridge</p>
<b>PS II. Environment, climate change and mitigation</b>	<p><b>Gary W. Miller</b>, Vice Dean for Research Strategy and Innovation, Professor of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, USA</p> <p><b>Benoît Pirene</b>, Director, User Engagement, Oceans Network Canada, an initiative of the University of Victoria, British Columbia, Canada</p> <p><b>Nicolaus Hanowski</b>, Head of Earth Observation and Missions Management &amp; Ground Segments Department in ESA</p> <p><b>Hugh Possingham</b>, Terrestrial Ecosystem Research Network, Australia</p>
<b>PS III. Data and digitalisation of society</b>	<p><b>Thomas Geenen</b>, European Centre for Medium-Range Weather Forecasts, Research Department, United Kingdom</p> <p><b>Hanifeh Khayeri</b>, Vice President Computer Science at RISE Research Institutes of Sweden</p> <p>More speakers TBA</p>

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30 PARALLEL THEMES, SECTION 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

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.

**Karl Tischler**, Head of Communication, EUROfusion

**Bryony Butland**, Programme Director UKRI research sustainability and infrastructure, UKRI (United Kingdom Research and Innovation), UK

**Pierre Normand**, Vice-President, External Relations and Communications, Canada Foundation for Innovation

**Daniel Stach**, Czech Television, Science Journalist

#### 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

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?

**Julia Fernandez Rodrigues**, President, CTLS, Sweden

**Rodrigo Portugal**, Head of cryoEM facility, Brazilian Nanotechnology National Laboratory

**Obed M. Ogega**, Programmes Manager, African Academy of Sciences

**Jacques Demotes**, Director General, ECRIN – ERIC

**Louis Franklin DiMauro**, NEXUS, USA

## Parallel Theme C: Research Infrastructures and Sharing Scientific Data Globally

### PT C/1: Data Sharing - Global Initiatives

#### Short Title: Data - Global Initiatives

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. These include Global Open Science Cloud (GOSC), Global Open Research Commons (GORC) and Open Science Commons Executives' Roundtable (OSCER). 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.

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

**Karen Payne**, WDS Associate Director for International Technology, Inaugural Director of the ITO, Canada

More Speakers TBA

## Parallel Theme D: Transnational Access to Research Infrastructures

### PT D/1: What Does Transnational Access Mean in the Aftermath of the COVID-19 Pandemic?

#### Short Title: Transnational Access after COVID-19

The COVID-19 pandemic made a very substantial impact on the research infrastructures relying on physical access, stimulating accelerated adaptation and introduction of new access modalities. In the context of the framework developed by the G7 Group of Senior Officials, identifying 14 principles for Global Research Infrastructures and National Facilities of Global Interest, this session will look into the evolution of transnational access modes in the aftermath of the COVID-19 pandemic, sharing experiences of RIs in different parts of the world.

In particular, increased digital and remote access possibilities offer substantial opportunities, such as lower costs for users, more efficient use of facilities and better coordination of efforts. At the same time, new challenges appear such as increased staff needs and different competencies required, as well as limited contacts with and among users leading to decreasing educational and social role of RIs.

The types of users are also evolving, with a growing number of non-expert users and industry, requiring RIs to adapt to address their needs and provide the necessary training so that they can take full benefit from access to the RI.

- Panel discussion: Evolution of access modes – opportunities and challenges
- Case studies: Research Infrastructures in and after the COVID-19 pandemic

Speakers TBA

**12:30 – 14:00 LUNCH**

**14:00 – 15:30 PARALLEL THEMES, SECTION 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**

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.

**Alasdair Reid**, Policy Director, EFIS Centre, Belgium

**Emanuela Sirtori**, Partner and Senior Researcher, Centre for Industrial Studies (CSIL), Italy

**Susie Robinson**, Executive Director, Australian Plant Phenomics Facility

**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**

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.

**Inmaculada Figueroa**, Vice Deputy Director General, Ministry of Science and Innovation of Spain

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

More speakers TBA

**Parallel Theme C: Research Infrastructures and Sharing Scientific Data Globally****PT C/2: Data Sharing - Regional Initiatives****Short Title: Data – Regional Initiatives**

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. They include, for example, the EOSC from Europe, ARDC from Australia, the African Open Science Platform, the Chinese CSTCloud, and the initiatives supported by the National Center for Supercomputing Applications (NCSA) in the USA. 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.

**Rosie Hicks**, Chief Executive Officer, Australian Research Data Commons

**Christine Kirkpatrick**, Division Director, Research Data Services, San Diego Supercomputer Center, UC San Diego, USA

**Jianhui Li**, Computer Network Information Center, Chinese Academy of Science, CSTCloud

**Suzanne Dumouchel**, Member of the Board of Directors of the EOSC Association

More speakers TBA

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

##### **PT D/2: Overcoming Current Bottlenecks to Transnational Access to RIs at International Level**

###### **Short Title: Overcoming Bottlenecks to TNA**

The GSO Framework for GRIs identified good practices in transnational access to research infrastructures, especially linking to principles on Global Excellence-driven Access (no. 8), E-infrastructures (no. 9) and International mobility (no. 12). The session will look into these practices, discuss the existing roadblocks and consider how to deal with them to create practical outcomes.

The session will focus in particular on challenges linked to:

- Funding and cost of access – different models of openness and funding, 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 (e.g. common values in research, ethical issues, on-site human resources)

The session will also share specific experiences with how international access schemes can work in practice, demonstrating how different challenges can be overcome in practice.

- Panel discussion: Transnational access to RIs – barriers and solutions
- Case studies: International access schemes in practice

Speakers TBA

**15:30 – 16:00 COFFEE BREAK**

**16:00 – 18:00 PARALLEL THEMES, SECTION 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**

Highly specialized 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.

**Adrian Tiplady**, Deputy MD of the South African Radio Astronomy Observatory, Square kilometer Array-South Africa facility

**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, Center for Underground Physics, Institute of Basic Sciences, Korea

**Xavier Barcons**, Director General, The European Southern Observatory (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**

Examples of good practices of smaller-scale facilities focusing on governance, training, and networking will be presented.

**Ivan Baines**, Chief Operating Officer, Max Planck Institute of Molecular Cell Biology and Genetics, Germany

**Katarina Eggenberger**, Senior Policy Advisor and Research Manager, ETH Zurich, Switzerland

**Tanja Ninkovic**, ARISE Programme Manager, European Molecular Biology Laboratory, Germany

**Rosario Durán**, Head of the Mass Spectrometry RI, Institut Pasteur de Montevideo, Uruguay

**Marialuisa Lavitrano**, Director of the Executive Masters' in Management of Research Infrastructures, Milano-Bicocca University, Director of the RItrainPlus

**Lavanya Premvardhan**, Coordinator of the CurieCoreTech, Institut Curie, France

**Joshua Rappoport**, Executive Director, Research Infrastructure, Boston College, USA

**Lia Pietrasanta**, Associate Professor, University of Buenos Aires, Argentina

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

#### **PT C/3: Data Sharing - National Initiatives**

##### **Short Title: Data – National Initiatives**

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 harmonize on a larger (regional and global) scale, complemented with the impact on the national research landscapes.

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

**York Sure-Vetter**, Director of National Research Data Infrastructure, Germany

**Mark Leggott**, Director of International Relations, New Digital Research Infrastructure Organization, Canada

**Tania Altamirano**, Academic Relations Manager at RedCLARA, Chile

**Yasuhiro Murayama**, Research Executive Director at NICT, Member of Science Council of Japan, Member of National Expert Panel of Open Science Promotion at Cabinet Office of Japan

**Gabriela Mejias**, Community Manager, DataCite, Germany

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

### **PT D/3: Global collaboration for complex science questions, scientific equity and inclusion**

#### **Short Title: Transnational Access - The Societal Challenge**

Contemporary scientific challenges are increasingly complex and multidimensional. Addressing them requires collaboration beyond a single facility, scientific domain or country, thus necessitating broader collaboration. Key examples of such challenges include earth and climate observation, pandemic outbreaks or multi-messenger science. The session will explore the principles and models of such 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, can also play an important role in promoting scientific equity and inclusion. The session will also explore specific actions that exist in parts of the world where RIs are less developed to facilitate more inclusive access leading to upskilling and better-connecting researchers across the world. The session will reflect on how we can upscale and multiply such actions, including exploring sources of funding.

- Panel discussion: Models for multi-RI collaboration
- Panel discussion: Fostering science equity and inclusion through RIs

Speakers TBA

**19:00 – 22:00 ICRI 2022 SOCIAL EVENT**

## FRIDAY 21<sup>st</sup> October

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

The Plenary will summarise the main discussion points and lessons learned from the sessions held the previous day.

#### Speakers

Rapporteurs from Parallel Themes and Grand Societal Challenges Parallel Sessions

### 9:40 – 11:00 PLENARY 4: Research Infrastructures Addressing Grand Societal Challenges (2<sup>nd</sup> part)

The aim of the Plenary is 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.

Topic	Speakers
III. Data and digitalisation of society	<p><b>Karel Luyben</b>, President of the EOSC Association, Europe</p> <p><b>Ivan Bartoš</b>, Deputy Prime Minister for Digitisation, Minister of Regional Development, Government of the Czech Republic</p> <p><b>Tanja Niemann</b>, Executive Director of Érudit, Canada</p> <p><b>Piyawut Srichaikul</b>, ASEAN HPC Task Force Co-Chair, NSTDA Supercomputer Center (ThaiSC), National Science and Technology Development Agency</p> <p><b>Tommaso Calarco</b>, Director, Institute for Quantum Control at Forschungszentrum Jülich</p> <p>Elanor Huntington (tbc), Executive Director of Commonwealth Scientific Industrial Research Organisation (CSIRO), Australia</p>

### 11:00 – 11:30 COFFEE BREAK

### 11:30 – 12:15 Awards and Memorandums of Understandings Ceremony / Brno Declaration on Research Infrastructures

The aim of the session is to provide visibility and publicity for various bilateral and multilateral initiatives on the governmental or research infrastructures level.

#### Speakers

Speakers TBA

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

This plenary will present with final remarks and the closing session. Organisers of next ICRI conference in 2024 will be announced.

### Speakers

Reaction from 2-3 policymakers (representing different world macro-regions) on ICRI discussions

**Jana Kolar**, Chair of European Strategy Forum on Research Infrastructures, Slovenia

Director-General of DG Research and Innovation, European Commission

Helena Langšádlová (tbc), Minister of Science, Research and Innovation of Czechia

Hand over to ICRI 2024 organisers

## 13:00 – 14:00 LUNCH