

ERIC Forum experiences with a setup of a series of ERICs for Ris/e-Infrastructures

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▶ ERIC Forum: who are we?

A bottom-up collaboration of 25 European Research Infrastructure Consortia (ERIC)



► ERIC Forum: how are we organized?

5 topic-specific **clusters**:



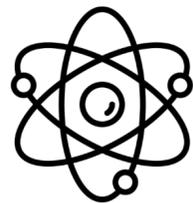
Environment



Health and Food



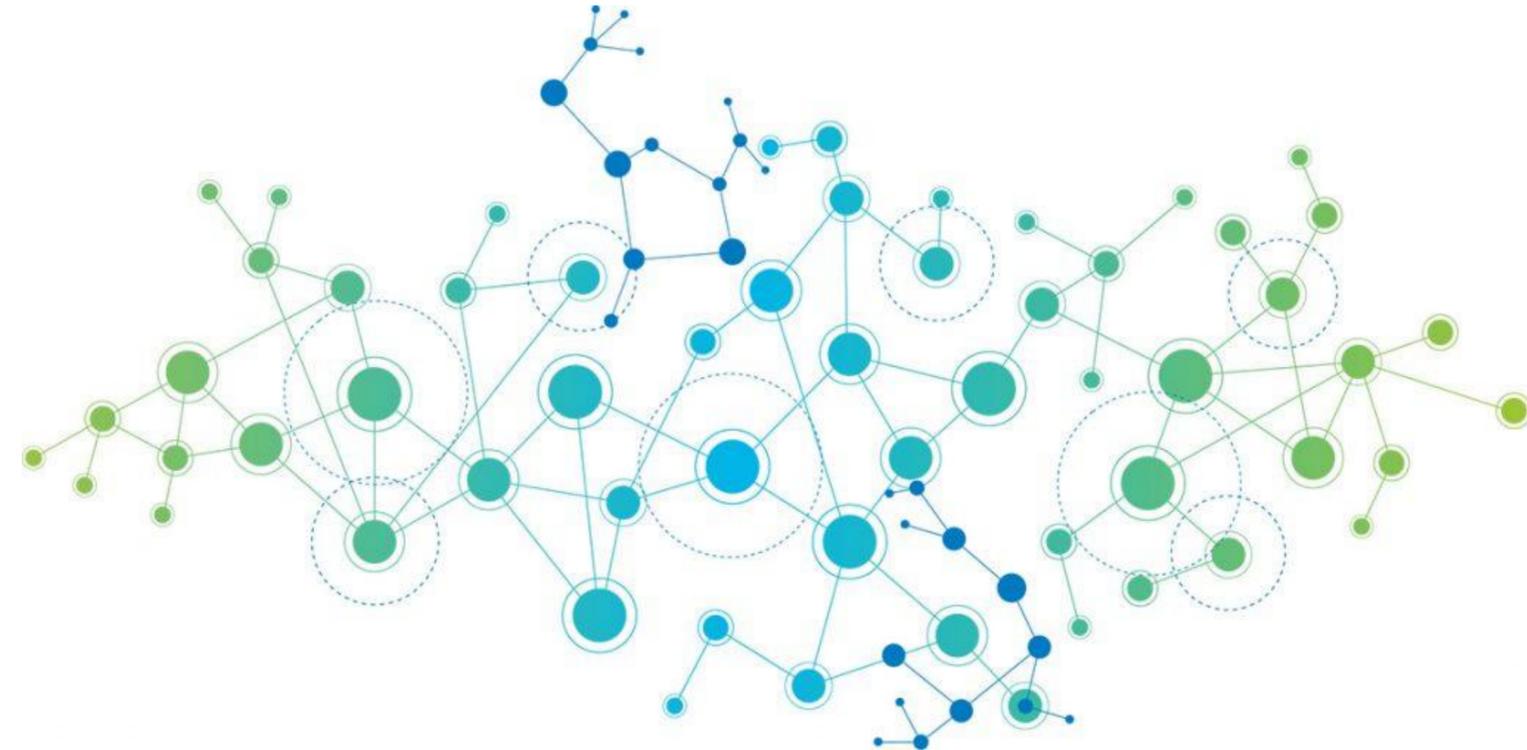
Energy



Physical sciences and engineering



Social and cultural innovation



▶ ERIC Forum: Executive Board

Chairs



Antje Keppler
Chair
Life Sciences cluster



Allen Weeks
Vice-Chair
Physical & engineering,
energy clusters

ExBo Members



Toma Tasovac
Social Sciences and
Humanities cluster



Emmanuel Salmon
Environment & Earth
Sciences cluster



Nicolas Pade
Life Sciences cluster

► Strengths of ERICs I.

- A well tested legal model across EU countries and in H2020 associated countries
- Decision-makers in national ministries and EU Commission well acquainted with the processes and requirements towards establishment of an ERIC
- A broad community of ERICs which can help and advise in case of questions
- Recent legal reports (e.g. EGERIC Report) provide additional know-how on the model

► Strengths of ERICs II.

- Country-level participation which provides for sustainability
- Well functioning governance model that is embedded in the Statutes
- Support from the EC – on expert level, but also with funding
- ERICs have become well versed in combining their primary missions with addressing the big challenges and serving as implementors of the EU Missions (e.g. canSERV project)

► Strengths of ERICs III.

- Vibrant cooperation between all ERICs through:
 - ERIC Forum I and II projects
 - ExBo meetings
 - Individual pillar meetings
- On-going dialogue with other key stakeholders: EC, EOSC, EIROForum, ERIC Committee, ESFRI
- Cooperation with ERICs-to-be

► Persisting challenges across ERICs:

- National institutions still struggling to be eligible for national funding for ERICs
- Critical resource limitations and understaffing endanger ERICs in living up to their actual capacities, as well as diverse employment conditions make it difficult for ERICs to become and remain attractive employers for highly skilled staff
- Strengthen ERICs to become part of a globally integrated RI ecosystem
- User access programs are still fragmented, under-resourced & complex at national and EU level => Scientists cannot yet fully benefit from ERICs and their service portfolios

▶ ERIC Forum 2 project

ERIC Forum Project 2.0 addresses key topics for ERIC implementation and operation, such as

- ERIC Regulation implementation
- ERICs and European Science Policy & Research Strategy
- Internationalisation and engagement with 3rd countries
- Personnel-related challenges
- Cooperation with ERICs-to-be



ERIC Forum provides regularly key information “from the ground” on the status of ERIC implementation to the EC in their meetings. => 3rd EC Report on the ERIC implementation

▶ ERIC Forum position papers in 2023

1. ERIC Forum position paper regarding the

“Public consultation on the past, present and future of the European Research & Innovation Framework programmes 2014-2027”



2. Contribution from ERIC Forum to the ESFRI Landscape Analysis about the functioning of the current ecosystem of RIs and its future development

► Future: Consolidation vs Fragmentation?

- ERIC Forum and ERICs will continue close cooperation and further consolidate their outreach to the scientific communities
- A danger of further fragmentation of the RIs landscape: besides ERIC and e-IR, EDIC has emerged as a new legal model
 - **Need for even closer involvement of all stakeholders on the political level to avoid further fragmentation of legal structures, doubling of already-made investments, red tape for researchers, as well as dispersal of EU and national funding**

Providing cutting edge cancer research services across Europe



canSERV

providing cutting edge
cancer research services
across europe

Prof. Jens K. Habermann, BBMRI-ERIC, canSERV Coordinator



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the European Union

Grant agreement No. 101058620

www.canSERV.eu



canSERV in a nutshell



One-stop shop for cancer research services – Browse our catalogues and find the right service(s) for your cancer research

13 Research Infrastructures
150+ associated service provider



+400 services in 10 Research Fields

Field 1 – Disease Model	Field 6 – Open Digital Research Services
Field 2 – Advanced technologies for Personalised Oncology	Field 7 – Access to human samples and data
Field 3 – Biomarker research, development, and validation	Field 8 – Clinical trials and design
Field 4 – New Therapeutic solutions	Field 9 – Ethical, legal and socio-economic (ELSI) dimensions
Field 5 – Accelerated Translation into Personalised Oncology Clinical Practice	Training

1 application platform

CAMS – Common Access Management System

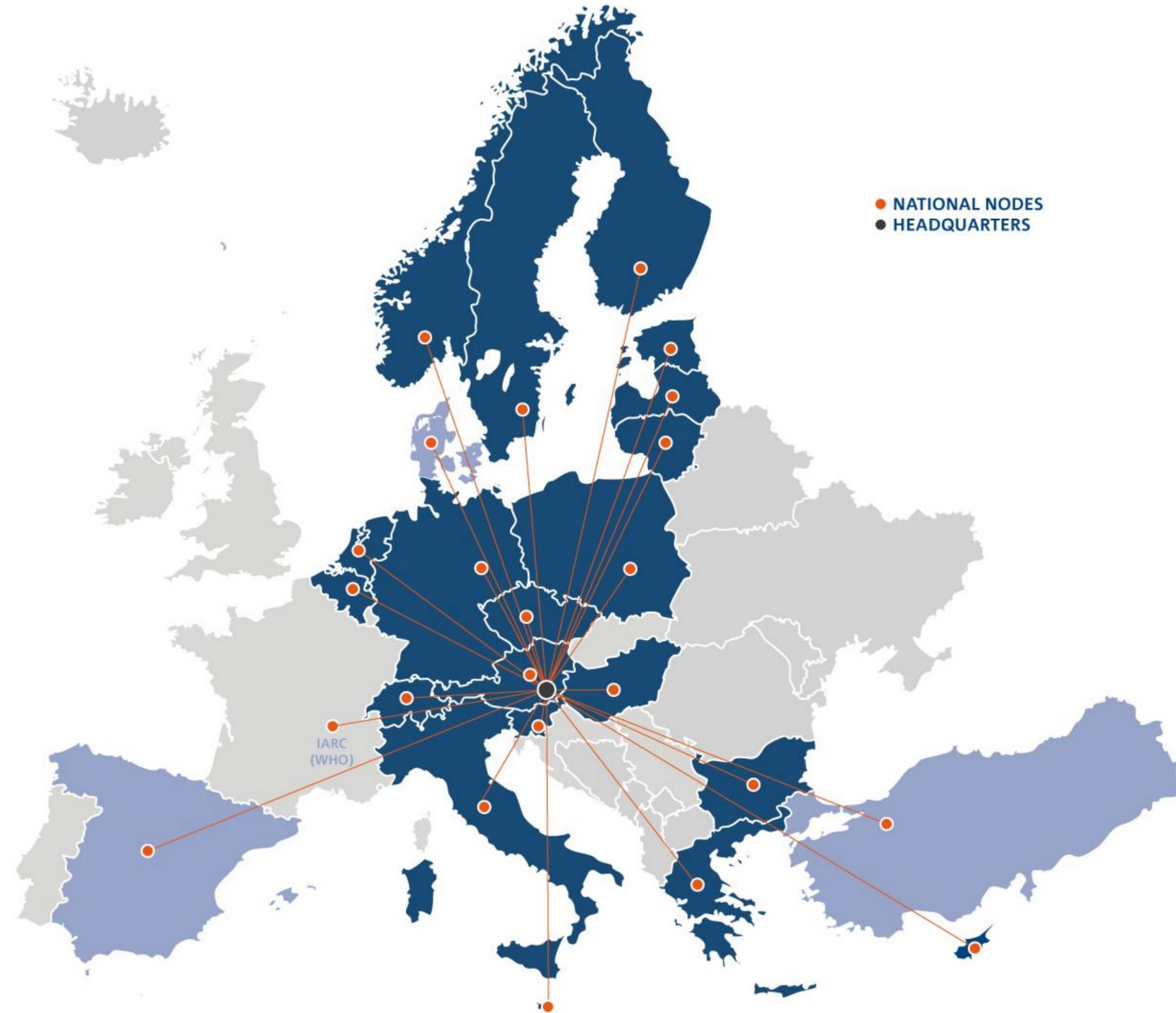
Want to accelerate your research with free access to scientific services?
www.canserv.eu/calls

Health & Life Sciences Research Infrastructure **build upon federation:**



20 Member States

- Austria
- Belgium
- Bulgaria
- Cyprus
- Czech Republic
- Estonia
- Finland
- Germany
- Greece
- Hungary
- Italy
- Latvia
- Lithuania
- Malta
- Netherlands
- Norway
- Poland
- Slovenia
- Sweden
- Switzerland



5 Observers

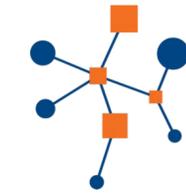
- Denmark
- IARC/WHO
- Qatar
- Spain
- Turkey

Comprising

- 24 National Nodes + IARC/WHO
- ~ 400 biobanks
- + affiliated partners
- 3 Expert Centres
- 1 Headquarter

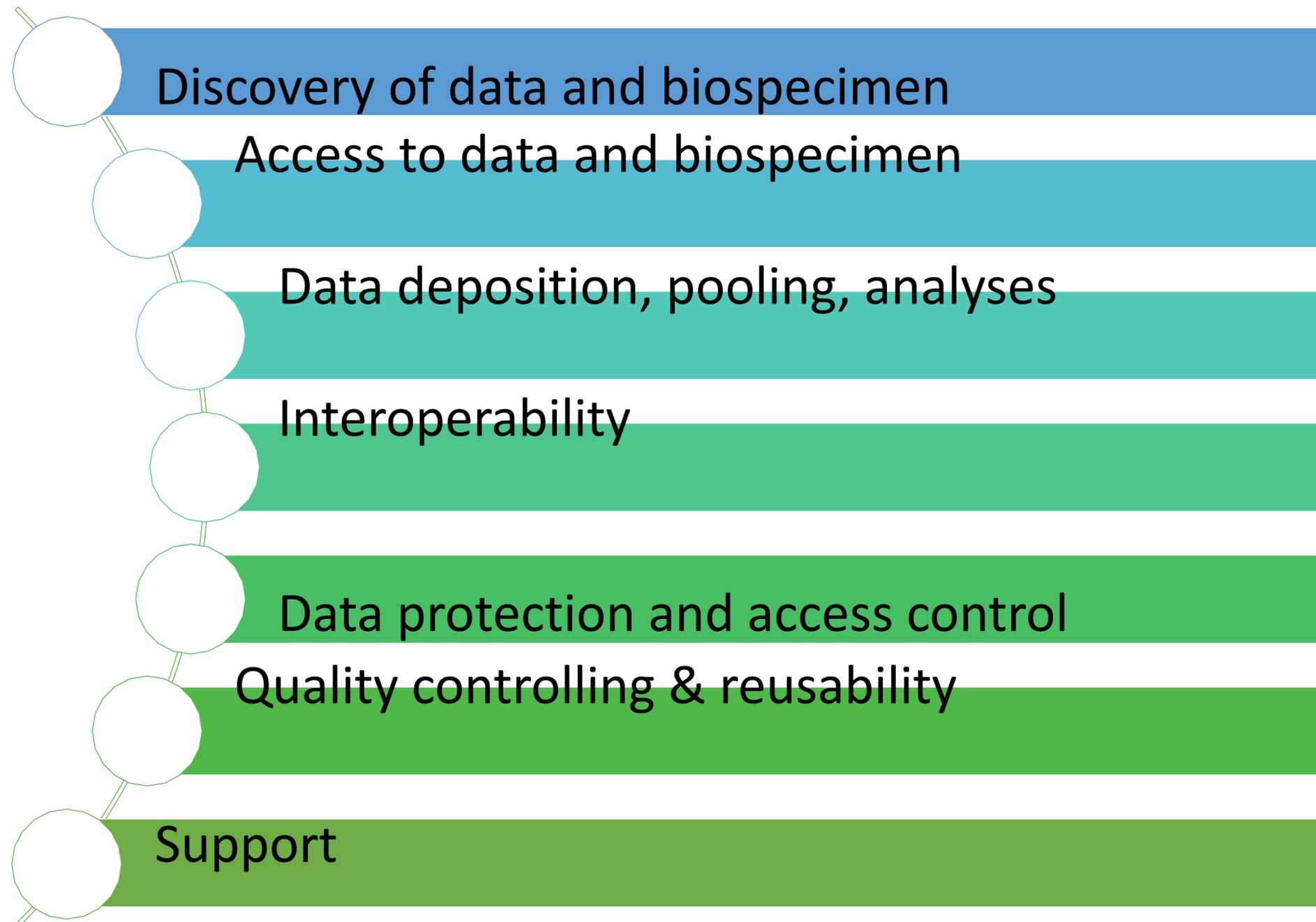
... and growing interest

BBMRI-ERIC IT domains & services



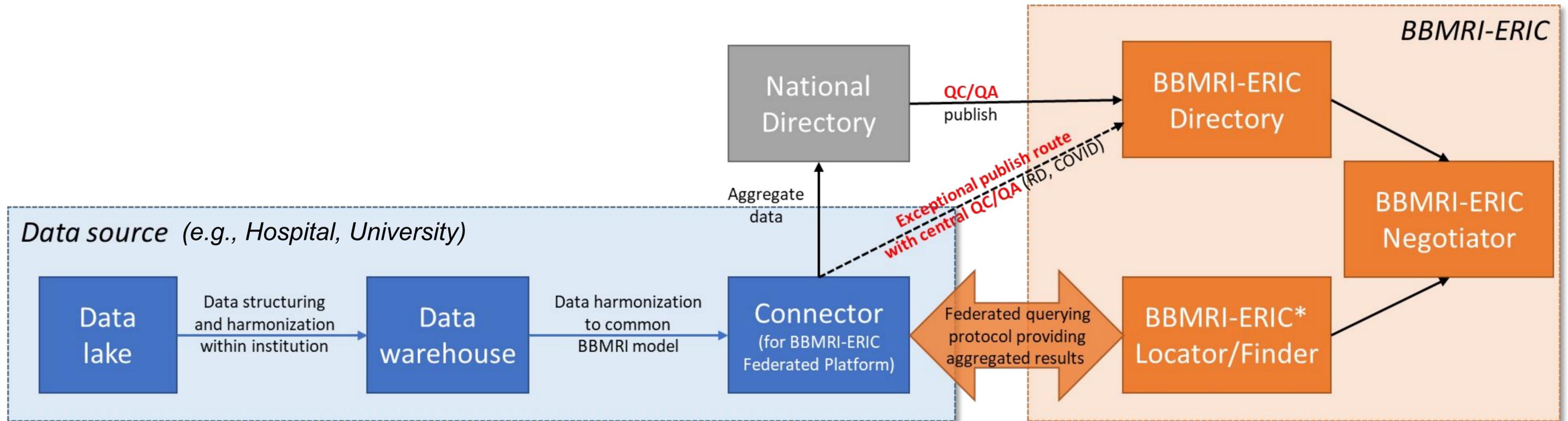
BBMRI-ERIC[®]

The European research infrastructure
for biobanking and biomolecular
resources in health and life sciences



IT Infrastructure

BBMRI-ERIC IT ECOSYSTEME



* Locator/Finder can have also national Instance relaying to central BBMRI-ERIC

DATA ACCESS TO > 400 BIOBANKS/INSTITUTES*

for >5.1 Mio. patients (+ 54 Mio. samples) accross 32 countries

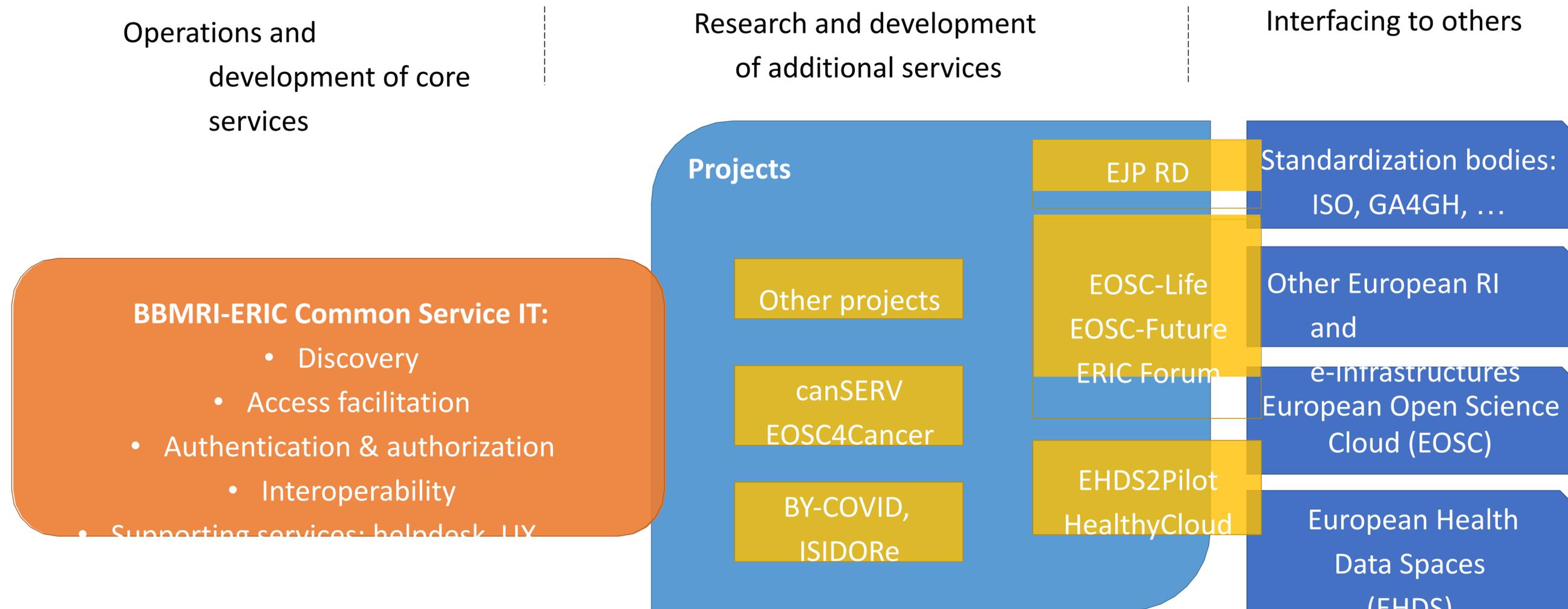
Available types of data:

- **7,834 distinct OMOP variables** of clinical phenotype data (incl. biochemical measurements)
- **> 10PB whole slide imaging data** or radiology imaging data
- OMICs data (genomics **incl. >200K genomes**, proteomics, metabolomics, etc.)
- possibly other types of data (surveys, genealogy, ...)
- Connection to national registries (e.g., survival data, harmonized data on specific diseases)
- Patient-provided data (part of patient empowerment)

□ Query & Access through BBMRI's **DIRECTORY, Federated Platform** and/or **NEGOTIATOR**

*MIABIS: Minimum Information ABoutBIObanking data Sharing

Organization of IT Services



Mission Cancer and other strategic activities

Thank you for your attention!

Contact:

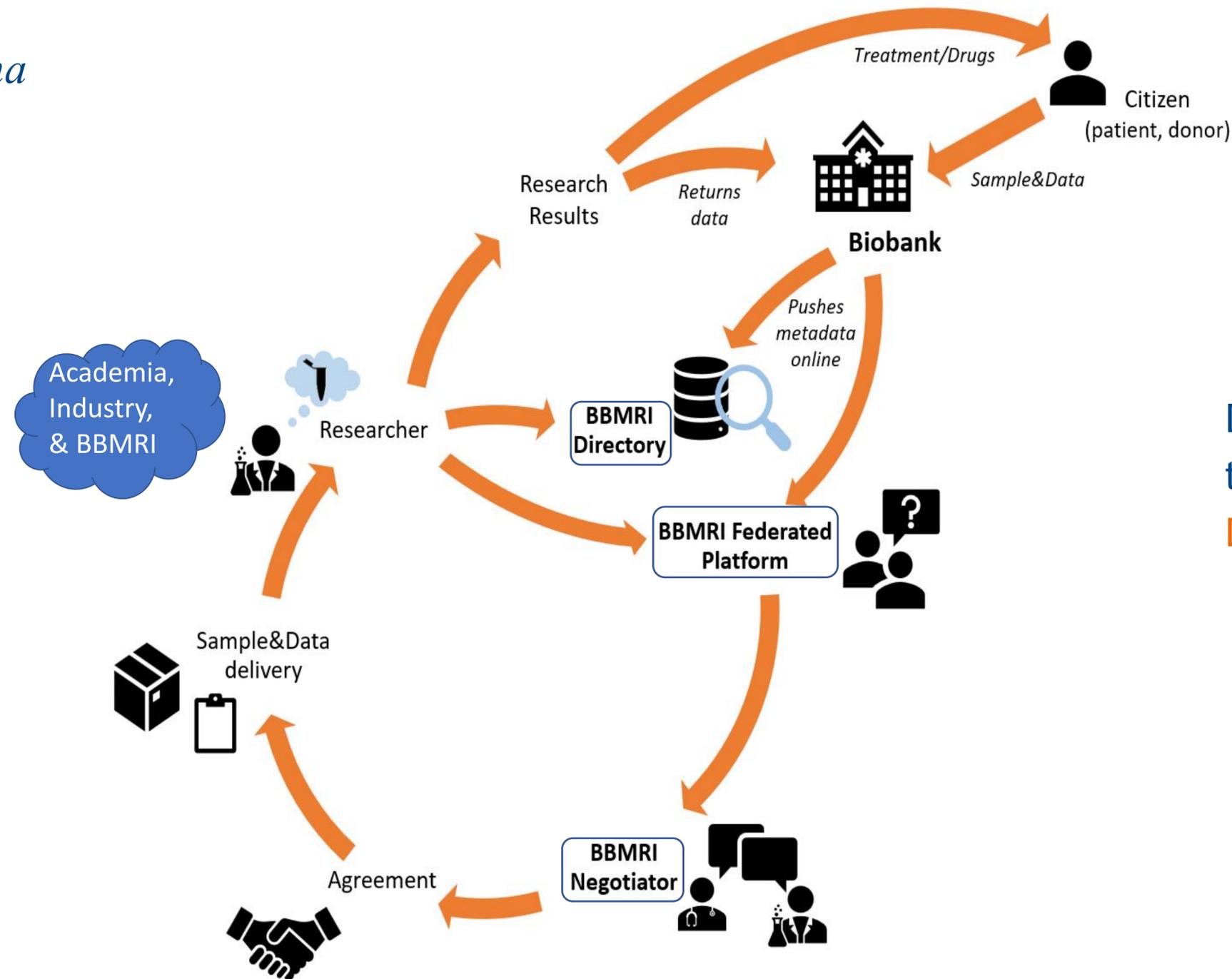
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BBMRI-ERIC ACCESS PIPELINE

Simplified schema



Directory is open for **any** biobank to visualize **COVID** or **Rare Disease** samples & data for use!