

# **Advancing Biobanking in Europe**

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**from Community Engagement  
to cross-country Collaborations**

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**Biobanking and Biomolecular  
Resources Research Infrastructure**

**European Research Infrastructure Consortium**

**European Commission Decision 2013**

**BBMRI-ERIC's Mission**

**Establish, operate, and develop a pan-European distributed research infrastructure of **biobanks** and **biomolecular resources** to facilitate the **ACCESS** to **RESOURCES** as well as **FACILITIES** and to support high-quality **biomolecular** and **medical research**.**

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## Life Science Research Infrastructure build upon:

### 18 Member States

Austria  
Belgium  
Bulgaria  
Czech Republic  
Estonia  
Finland  
Germany  
Greece  
Hungary (joined 2021)  
Italy  
Latvia  
Malta  
Netherlands  
Norway  
Poland  
Slovenia (joined 2022)  
Sweden  
United Kingdom



... and growing interest

### 6 Observers

Cyprus  
IARC/WHO  
Lithuania  
Spain (joined 2021)  
Switzerland  
Turkey

### Comprising

- > 700 biobanks
- 24 National Nodes
- 3 Expert Centres
- 1 Headquarter
- & affiliated partners

■ MEMBERS OF BBMRI-ERIC  
■ OBSERVERS OF BBMRI-ERIC

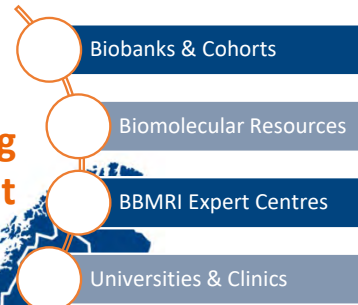
## BBMRI enabling precision medicine through:



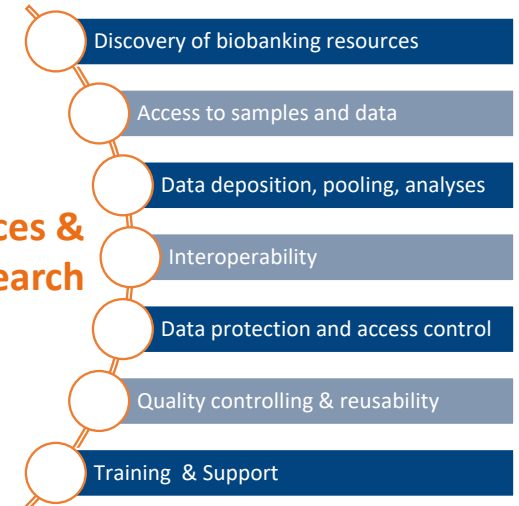
### ELSI Services & Research

### Public Affairs & Stakeholder Engagement

### Biobanking Development



### IT Services & Research



### Quality Management Services & Research



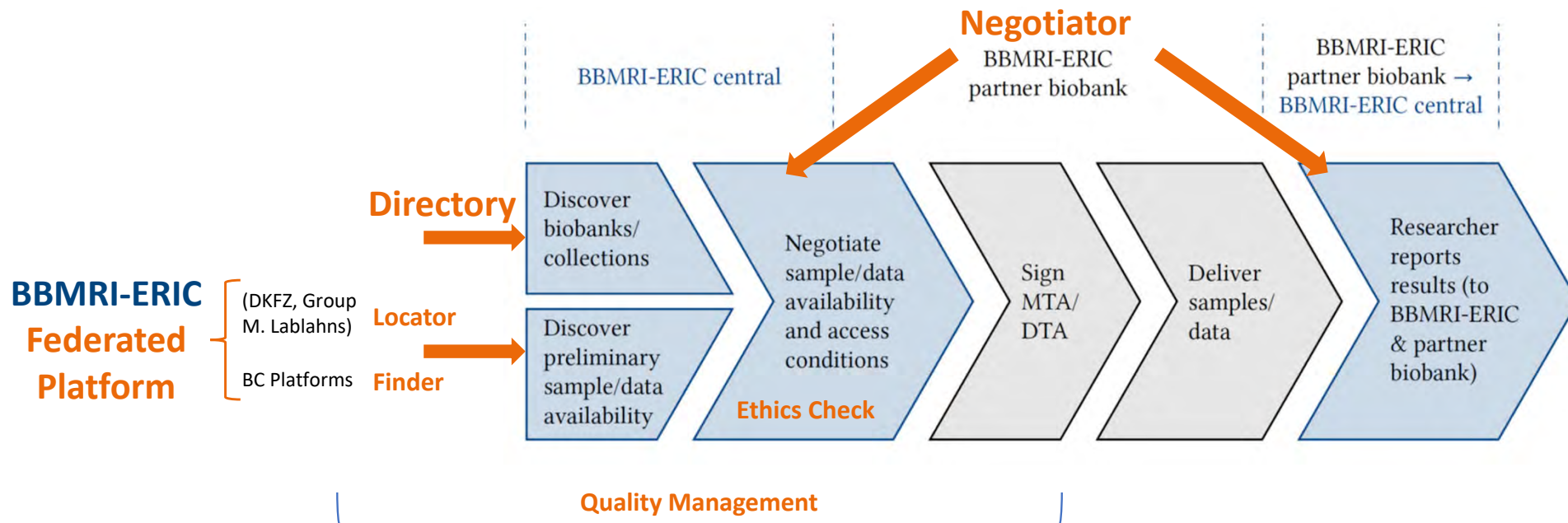


# BBMRI-ERIC ACCESS PIPELINE

## BBMRI-ERIC Directory

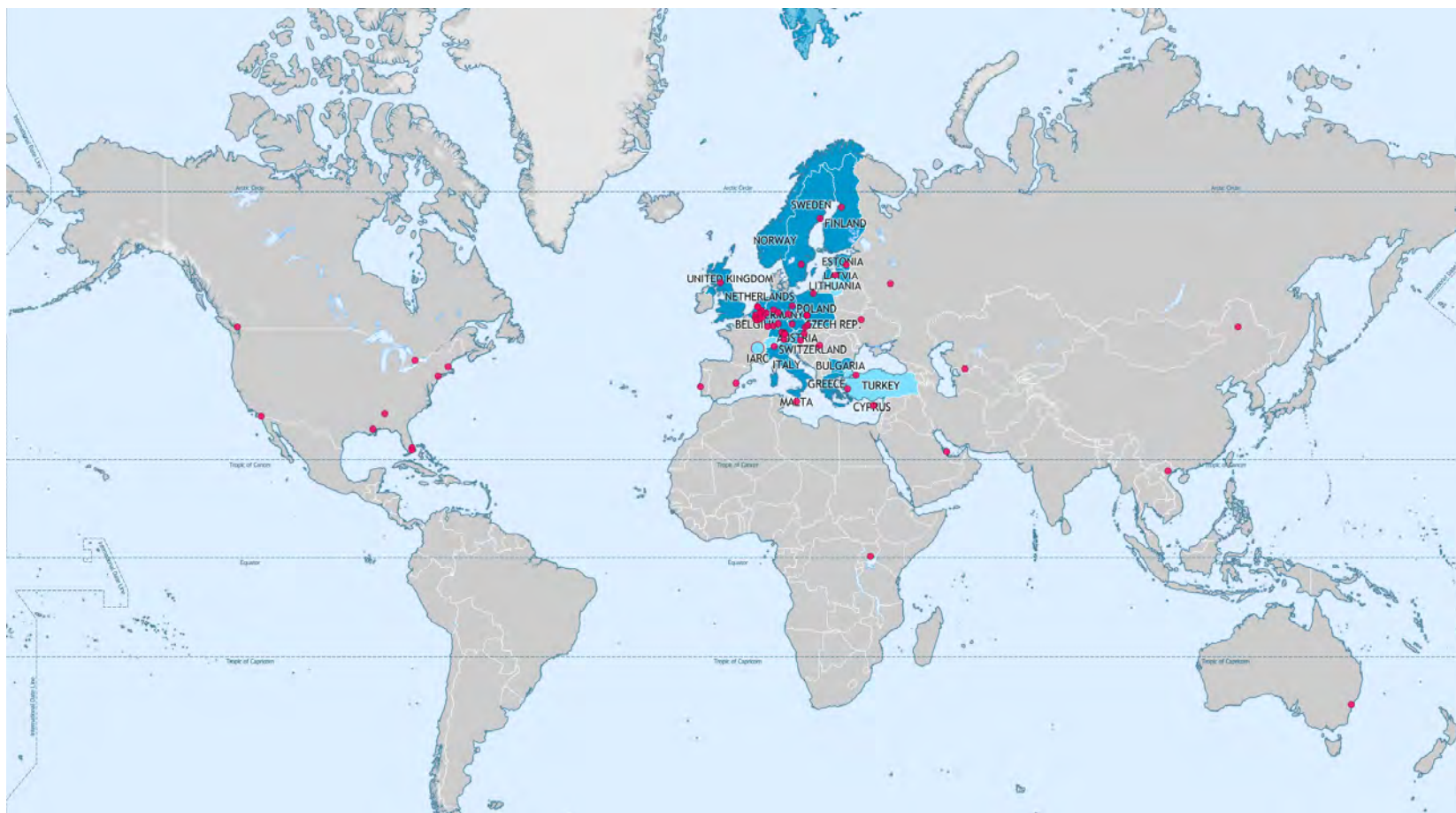
- > 700 biobanks
- Estimated >100,000,000 samples and associated data

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



## **BBMRI-ERIC Directory – COVID-19 samples & data**

- 88 biobanks with 92.052 donors in COVID-relevant collections
- >490.000 COVID-related samples and associated data

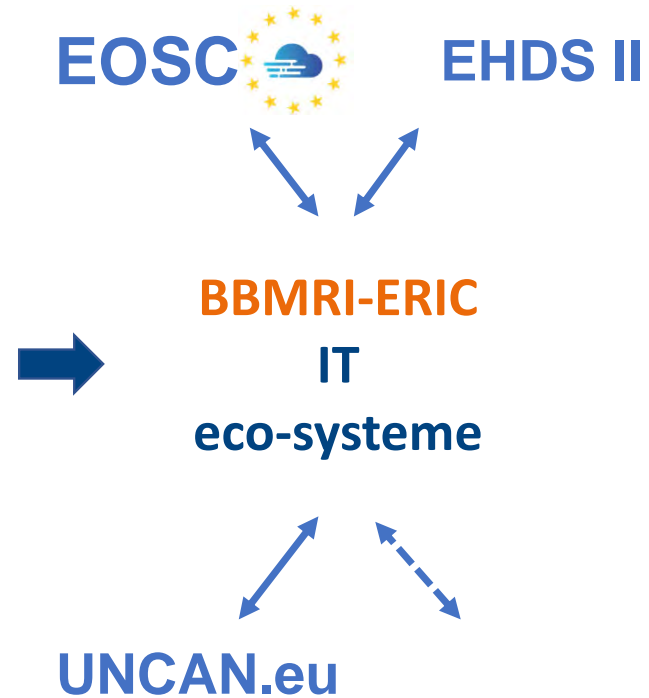


# IT SERVICES & RESEARCH



- Discovery of data and biospecimen
- Access to data and biospecimen
- Data deposition, pooling, analyses
- Interoperability
- Data protection and access control
- Quality controlling & reusability
- Support

IT Infrastructure



# EU RESEARCH INFRASTRUCTURE LANDSCAPE



- providing access to world-class facilities, samples, instruments, services and data
- Currently comprising 13 European LS RIs including **BBMRI-ERIC**



- The Forum currently comprises all 23 ERICs
- **BBMRI-ERIC is project coordinator & runs the ERIC Forum secretariat**
- Creation of a strong RI ecosystem





# 25 EU-FUNDED PROJECTS with our PARTNERS

## Project management & engagement

- 21 active projects
- 1 project coordination (ERIC Forum)
- 3 projects in preparation /1 project coordination (CanSERV)
- 5 submitted proposals



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# EU PROPOSALS

## GRANT AGREEMENT PROCESS

HORIZON-INFRA-2021-SERV-01-01:

**canSERV: Providing cutting edge cancer research services across Europe**

- BBMRI coordinated consortium with 13x RIs, 2x SMEs plus IARC, ECPC, EORTC & CCE
- BBMRI community & BBMRI Expert Centres involved in all 12 Work Packages
- **BBMRI Community:**
  - TNA service providing sites as new funding opportunity
    - > challenges & opportunities
    - > Community Engagement!
  - new TNA services likely to be onboarded
  - Consortium to continue beyond project duration!

## **STAKEHOLDER FORUM**

- PILLAR *PATIENTS & PUBLIC*
- PILLAR *INDUSTRY*
- PILLAR *SCIENTIFIC SOCIETIES*

**&**

## **COMMUNITY ENGAGEMENT**

- RESEARCHERS & UNIVERSITIES
- CLINICIANS & HOSPITALS
- EXPERT CENTRES

BIOBANKERS

PATIENTS

CLINICIANS

PARTNERS

POLITICIANS

RESEARCHERS

INDUSTRY

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## MC/AoM - Retreat

### Community Engagement

## BBMRI Task Forces, Expert & Working Groups

### Nominations by NN / Experts only

#### ❖ **ELSI** Expert Groups on

- Helpdesk Network
- Research Ethics Committees
- Code of Conduct
- Ethics of AI

#### ❖ **WG** Quality Management

### Open for community registration

**IT TF: Federated Search & Analysis Platform**

**IT TF: Biobank Data Quality & Certification**

**IT TF: Expedited Access Procedure for Samples & Data**

**IT TF: Data Pooling**

**IT TF: Big Data Analysis**

**TF: NNs/Biobanks Operations & Sustainability**

**TF: Success Stories**

**TF: Communications & Outreach**

**TF: Quality Assurance**

**Matrix for  
Topic Experts  
to come**

<https://forms.office.com/r/n3UDFQAGaB>

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# RESEARCH & EDUCATION

***BBMRI-ERIC Academy***

***IT Symposium***

in partnership with ESBB

***International Biobank Conference Qatar,***

organized by Qatar Foundation, ESBB,  
BBMRI-ERIC and ISBER

***Europe Biobank Week***

in partnership with ESBB



**> Quality in Biobanking <**



# THANK YOU!

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