Funding for Open Science: Health Research Board (HRB) approach

EOSC National Tripartite Event Poland

25 October 2022

Dr Patricia Clarke, HRB

Health Research Board

Research. Evidence. Action.

HRB approach to Open Science

(Tools and Partnerships)

2016

Open Science and Ireland Conference

National OA principles

HRB OA policy

2017

National Open Research Forum (NORF)

Collaboration with GO-FAIR and DTL

Building awareness FAIR workshops

2018

HRB Open Research platform F1000

HRB DORA signatory

HRB-HEI data stewards upskilling, Leiden

Phase I FAIR DMP pilot in HRB funding schemes

2019

National Framework for transitioning to open research published by Irish government

National Integrity Policy Statement

HRB

- Adopted Science Europe RDM guidelines
- FAIR Funders Implementation Study Phase II
- Secondary data analysis awards
- DASSL data linkage PoC award
- Panel Observers

2020+

National Open Research Forum (NORF) Phase 2

Irish ORCID Consortium

HRB policy on sharing and managing research data

HRB Open Research Phase 2

FAIR DMP pilot Phase 2: International review of DMPs

HRB national GDPR and national ethics roles (potential for synergies)

Researcher access to Irish COVID-19 Data Hub

EU reform of Research Assessment

EU Joint Action Towards a European Health Data Space

HRB Strategy 2021-2025

To ensure that HRB funded research can have the **greatest possible impact** by increasing:

- Openness and transparency
- Reproducibility and replicability – research validation
- Acceleration of knowledge and its application - innovation
- Interoperability across different domains and disciplines
- Discoverability and accessibility and (Re)Usability - less research waste

HRB Strategic Objective 3

Promote and enable the use of data to shape health policy, enhance healthcare delivery, and drive broader research and innovation initiatives

HRB Health Research Board

Trusted data

Strategy 2021–2025

HRB Strategic Objective 3

Promote and enable the use of data to shape health policy, enhance healthcare delivery, and drive broader research and innovation initiatives

Trusted data

Strategy
2021–2025

- National, applied data infrastructure supports research for health, social care and well-being
- An active partner in EU initiatives that support a common European health data space
- HRB's national health information systems support policy, planning, service delivery and research
- HRB data and evidence inform the implementation of the national drugs and alcohol strategies
- Patients, the public, researchers and policy-makers have confidence in the way that health data are used for research
- Health research and data in Ireland is open and FAIR

HRB implementation

Promoting the Secondary use of health and social care data for planning, policy, research and innovation (3.2, 3.3, 3.4)

- COVID-19 research data hub
- DASSL PoC report finalised
- TEHDAS – participation in WPs, General Assembly, IRELAND country visit and report
- Make the case for a Health Information Bill
- EU4Health direct grants
- Secondary Data Analysis call
- Digital Europe: Federated Genomics Data Infra Award

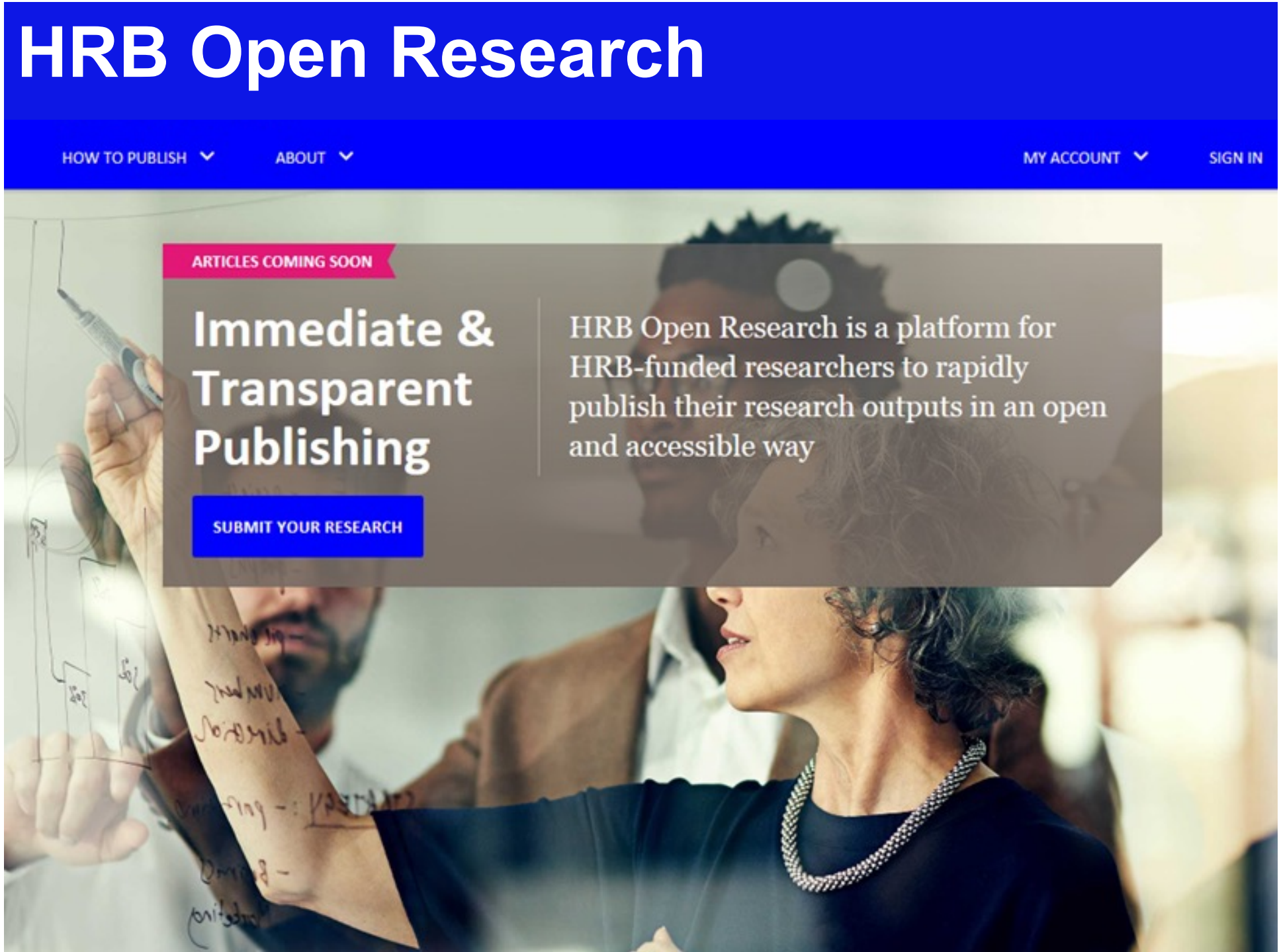
National leadership role in delivering more impact through Managed/ FAIR/ Open Data (3.5, 3.6)

- Research Data Managing and Sharing Policy
- Budgets in HRB Awards
- Pilot analysis/review of DMPs
- Training
- Requirements in large strategic awards (TILDA)
- Open publishing with linked data
- Chair, National Open Research Forum (NORF) Steering Group
- FAIRsFAIR HLAC

HRB Research Data Management and Sharing Policy

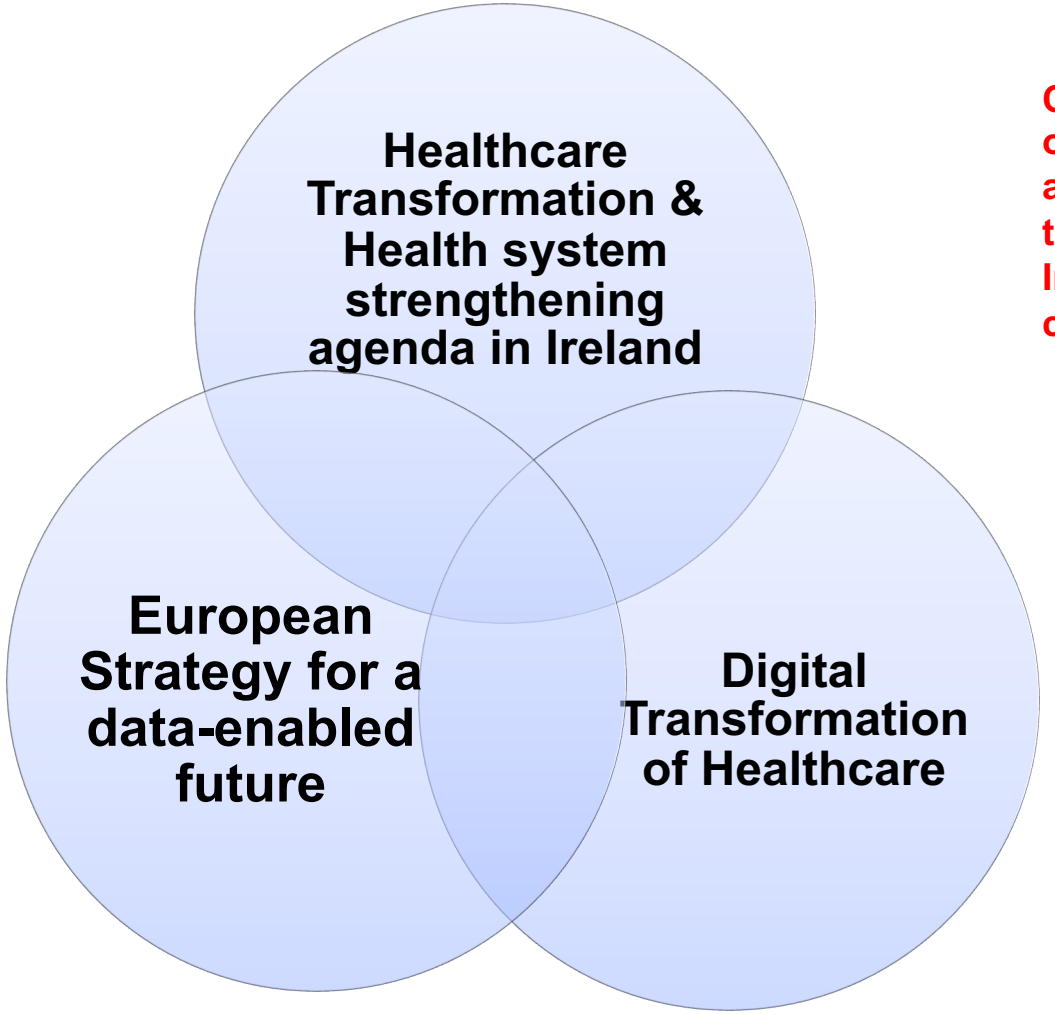
- Mandated for new Calls from January 2020
- Alignment with FAIR principles
- Unless justification is provided, all underlying data must be made openly available – at a minimum, data that underlies all publications
- All metadata must be made openly available
- DMP requirement:
  - Aligned to Science Europe DMP guidelines;
  - HRB DMP template available on DMP Online;
  - Declaration from Host Institution;
  - Submissions for successful awards – at start and end of award
- Desire to implement at a national level

HRB Open Research



Relevant National and EU Policy Agenda

- European Strategy for Data
- Data Governance Act
- GDPR and e-privacy Directive
- EU Recommendation on EHR exchange format and e-health network
- European Health Data Space
- EU Reference Networks
- One Health Action Plan-AMR
- HERA and pandemic preparedness
- European Open Science Cloud



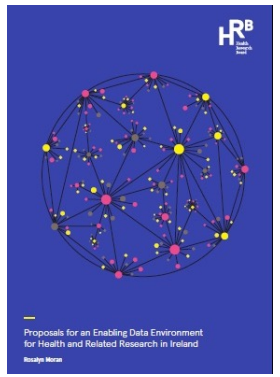
Critical opportunity to bridge otherwise disconnected areas and deliver a modern and trusted health data system in Ireland that can also collaborate in Europe

- Electronic Health records
- Remote Care/telehealth
- Artificial Intelligence
- Personalised Medicine
- Genomic Medicine
- Robotics
- Wearables
- Assisted Living

Progress

TEHDAS

Towards European Health Data Space



Ireland's National Open Research Forum

Dr Daniel Bangert, National Open Science Coordinator

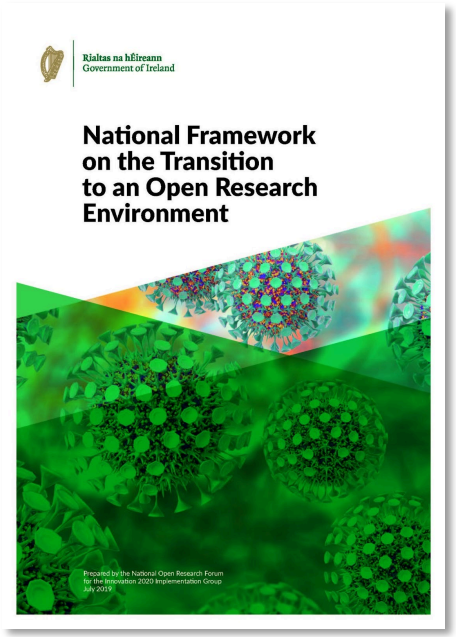
NORF
NATIONAL OPEN
RESEARCH FORUM

- Established in 2017 to drive the Irish agenda for Open Research
- First phase of work included developing Ireland's *National Framework on the Transition to an Open Research Environment* (July 2019)
- Since late 2020 working on the development and delivery of a *National Action Plan for Open Research*
- Development of the National Action Plan has been supported by national Working Groups in five strategic areas

https://doi.org/10.7486/DRI.0287dj04d

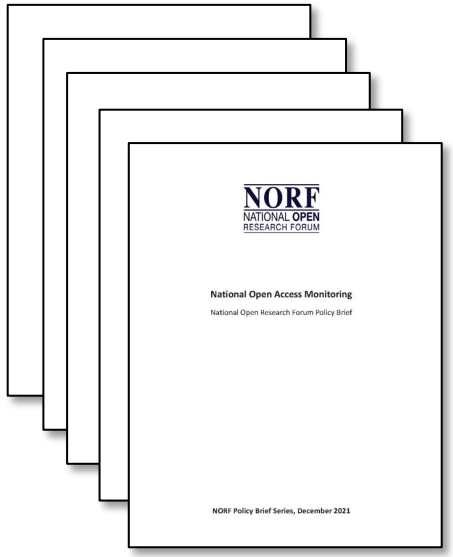
Development of a National Action Plan

Led by NORF, with direct input from over 90 stakeholder representatives and further input via public and targeted consultations

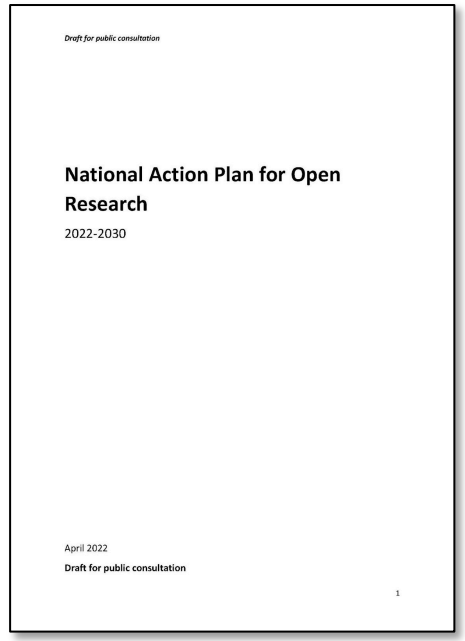


2019
National Framework

2021
Landscape Report



2021
Policy Briefs



2022
National Action Plan

NORF publications: https://norf.ie/index.php/publications/

New National Developments

NORF
NATIONAL OPEN
RESEARCH FORUM

National Action Plan 2022-2030

1. Establishing a culture of open research
2. Achieving 100% open access to research publications
3. Enabling FAIR research data and other outputs

NORF 2022 Open Research Fund

- National OA Monitoring
- OA Repository Assessment and Alignment
- OA Transition Programme
- Open Research Training Programme
- National Data Stewardship Network
- Shared Data Storage Pilot

hrb.ie

Find out more about our work

Further information

Dr Patricia Clarke HRB (email: pclarke@ hrb.ie)
Dr Daniel Bangert NORF (email: D.Bangert@ria.ie)

HRB Open Research (hrbopenresearch.org)