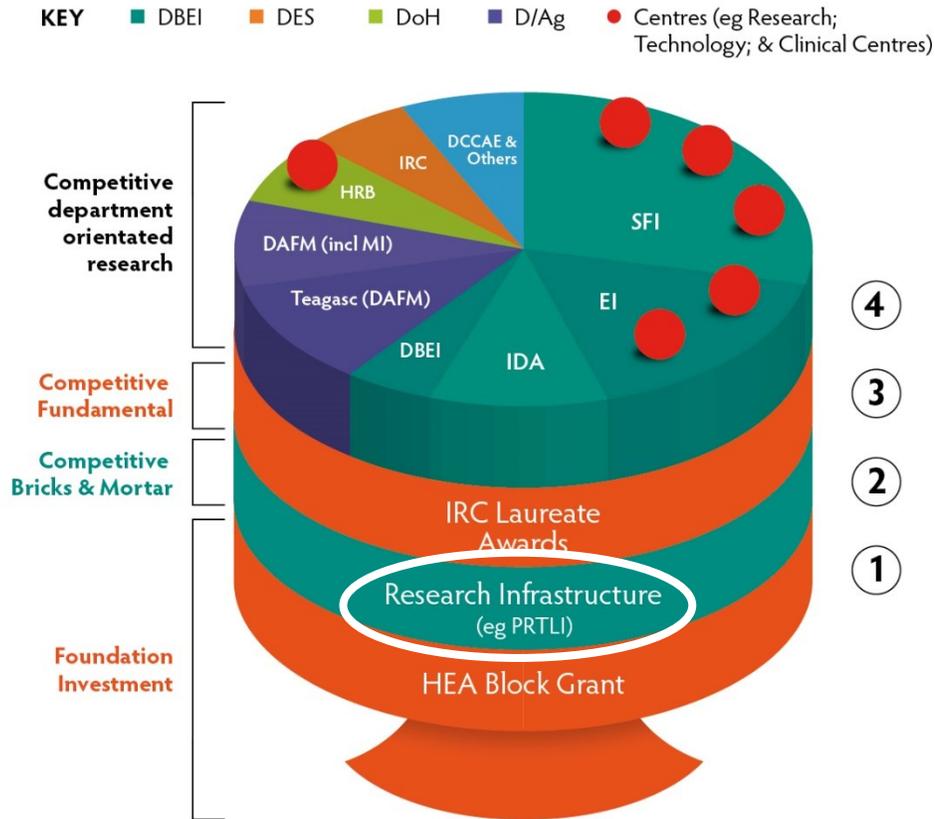


National Open Research coordination in Ireland

Dr Patricia Clarke, Health Research Board Ireland

Co-Chair, National Open Research Forum

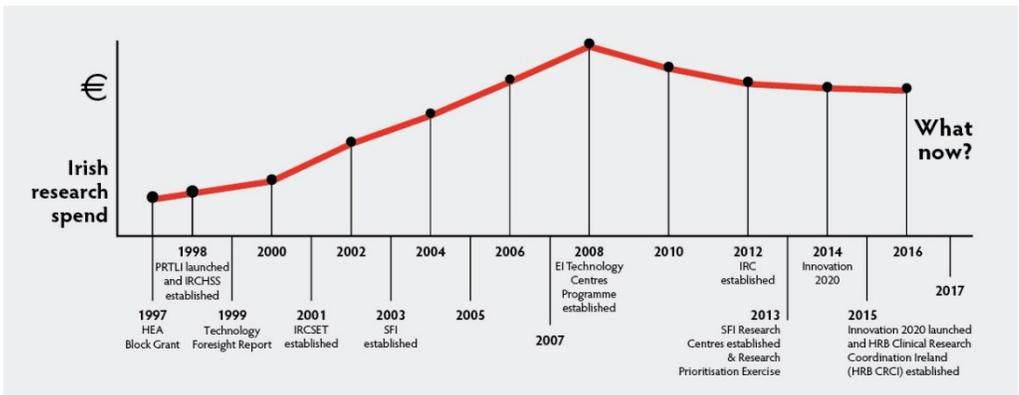
Irish Higher Education and Research System



Built up research system over last 20 years

What Now?
Respond to the changing research environment

Open Research
Build stronger system foundations



Research Infrastructures

Pay to
publish
papers

Pay to
make them
open access

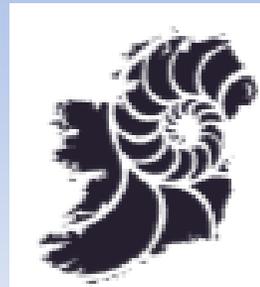
Pay to
read them

Pay to
analyse who
reads them

**HRB Open Research
Publishing Platform**



**National
Open Research
Forum**



**Irish Research
eLibrary**



**Bibliometric
Analysis
Tools**



International Policy Context

2012 EU Recommendations on Access to and Preservation of Scientific Information

Horizon 2020 and Horizon Europe

- **Required Open Access and Open Data** European Open Science Cloud (EOSC); open data-driven science; use/experimentation of open science approaches (e.g. knowledge- or data- sharing, networks, platforms and hubs).

April 2016 European Cloud Initiative Communication

- Seamless environment for access to data services, to build on and support OA and OS

May 2016 Council Conclusions

- Support for OA publications, data re-use & data management initiatives. **OA to be default by 2020**

Stakeholders and expertise to shape policies

- **Open Science Policy Platform**, Expert Groups on FAIR data, the Future of Scholarly Publishing, skills and rewards, new generation metrics, integrity

April 2018 EU Data Package

- **Revised 2018 Recommendations** to include **RDM and FAIR data**, better data analytics, Text and Data Mining, realisation of the EOSC, skill and competencies, and **incentives and rewards**.
- **Revised Public Sector Initiative (PSI) Directive** requiring national policies to facilitate re-use of research data resulting from public funding

October 2018 **Plan-S**

- OA publications, copyright, no embargos, research assessment (DORA)

What is Open Science/ Open Research?

“Open Science represents a new approach to the scientific process based on cooperation work and new ways of diffusing knowledge by using digital technologies and new collaborative tools. The idea captures a systemic change to the way science and research have been carried out for the last fifty years: shifting from the standard practices of publishing research results in scientific publications towards sharing and using all available knowledge at an earlier stage in the research process”

(Open Innovation, Open Science, Open to the World – a Vision for Europe, European Commission, 2016)

National Open Research Forum (NORF)

Phase 1 (March 2017- June 2019)

- Co-chaired by Higher Education Authority and Health Research Board
- Secretariat provided by Department of Business, Enterprise and Innovation
- Support from Department of Education and Skills
- Broad membership - policy, research funding, research performing, library sector and other key stakeholders
- Working Group structures

Vision

- Turning Words into Actions – A Vision for Open Research in Ireland

Open Access

- National Open Access (to Publications) Principles Statement

Open Data

- Research Data Principles

Research Infrastructure

- Research Information Infrastructure Roadmap
- Joint Statement of Principle on the adoption and use of ORCID and related persistent identifier infrastructure

Consultation and Plan-S consultation

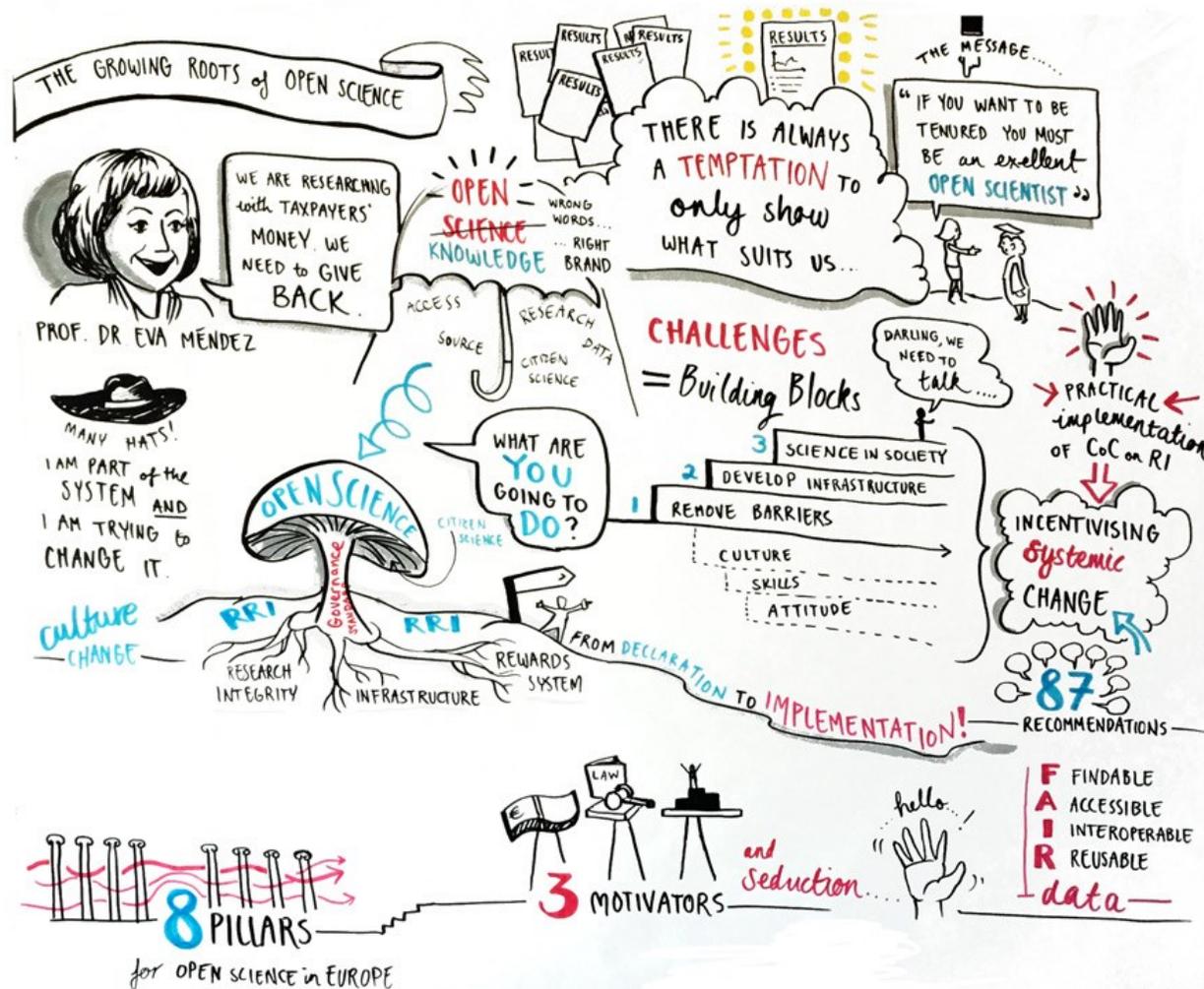
- Cork Institute of Technology (CIT), Nimbus Research Centre
- Digital Repository of Ireland (DRI)
- Dublin Institute of Technology (DIT) Technology University (TU) Dublin Open Research Group
- Economic and Social Research Institute (ESRI)
- Enterprise Ireland (EI)
- Health Research Board (HRB)
- International Association of STM Publishers (STM)
- Irish Humanities Alliance (IHA)
- Irish Research Council (IRC)
- Irish Universities Association (IUA)
- Irish Universities Association Librarians Group (IUA LG)
- Maynooth University (MU) Research Committee
- National Library of Ireland (NLI)
- National University of Ireland Galway (NUIG)
- National University of Ireland Galway (NUIG) Moore Institute
- Royal College of Physicians (RCSI)
- Royal Irish Academy (RIA)
- Science Foundation Ireland (SFI)
- SciPol Independent Consultancy
- Teagasc
- Teagasc CELUP Crop Research
- Technological Higher Education Association (THEA)
- Trinity College Dublin (TCD) DARIAH
- Trinity College Dublin (TCD) Open Scholarship Taskforce
- University College Cork (UCC)
- University College Dublin (UCD)

National Research Integrity Forum and National Open Research Forum

“Responsible research in an open research environment” 8th March 2019

NORF
NATIONAL OPEN
RESEARCH FORUM

RESEARCH
INTEGRITY
NATIONAL
FORUM



Workshop report available at: <https://www.iaa.ie/research-innovation/research-integrity/march-8th-2019-joint-workshop-by-the-nrif-and-the-national-open-research-forum/>



Rialtas na hÉireann
Government of Ireland

July 2019

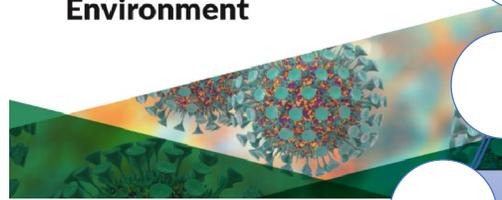
National Framework on the Transition to an Open Research Environment



National Open Research Forum <http://norf-ireland.net/>



National Framework
on the Transition
to an Open Research
Environment



July 2019: Ministerial Announcement with initial support

Departments: DAFM, DBEI, DES, DCCA

Funders: HRB, HEA, SFI, IRC, EPA, Teagasc, SEAI

Universities: TU Dublin, UCC, RCSI, THEA, CIT

Infrastructures: CONUL, OpenAIRE Node, NLI, RDA Node, DRI

Key Points

- Clearer and cleaner routes to OA publications, including publishing platforms;
- Removing local archiving requirement, recognising the role of international repositories such as Europe PMC;
- Commitment to develop national measurement of OA publication practices;
- Moving towards 'no embargos' for OA publications;
- Clarifying intention nationally not to pay APCs for hybrid journals;
- New national principles for research data in line FAIR data principles and research data management plans;
- Commitment nationally to look at underpinning infrastructure needs such as global persistent identifiers and better use of metadata;
- National consideration of skills and training needs for open research at all career levels;
- National conversation on infrastructure needs (rather than institution by institution), especially for research data;
- Systems-wide lens for 'responsible metrics' shifting from reliance on journal impact factor, in line DORA;
- Consideration of system approach for rewards and incentives;
- Funders to require OA at both grant evaluation stage and at contracts stage

What now?

NORF Phase 2

- National coordinator role
- Reconstituting NORF membership to focus on implementation
- Deliver National Planning Exercise
- Part-time post in IReL to drive national ORCID membership

National Action Plan - implementation

- concrete objectives and indicators to measure progress
- priorities for implementation, including the allocation of responsibilities
- associated financial planning
- multi-annual planning process
- Testing the readiness of our infrastructure, our working processes and capacity to help open practices to grow and thrive.



Agreement on a common direction

Key Questions

- Who has lead responsibility for Open Science in Ireland?
- Does NORF have a mandate to enter into the proposed Phase II activities?
- How can implementation be cultivated?
- What resourcing potential exists and how can this be best realised?

Leave no-one behind

- All public research (block grants)
- Engage with researchers at every research career stage and representing all disciplines
- Respect, engage with, and support the research community in the broadest sense
- Address disciplinary, professional, national and global concerns in the area of research.

Speed of transition

- Acknowledge that some Funders and Research Performing Organisations may have **additional specific requirements** relating to open research which should also be observed.

“moving beyond the individual areas of open research to understand the complex relationships between them and the underpinning regulatory and legal environment”.

“The conditions required for implementation need to be cultivated.”

Incentives and rewards

OA publications

National Persistent Identifiers

National Action Plan

“Open research requires system-thinking and a change in research culture and behaviour.”

“Whilst accountability may sit with one Department/ Agency the solution more often sits with a broader group.”

Skills and Competencies

FAIR research data

“need trust and mutual respect, a strong sense of collective responsibility, data to benchmark and to measure transformation”

Infrastructure / Long term preservation

Longer-term resourcing and capacity-building issues

Advocating for a national coordinated approach

(Tools and Partnerships)

National OA principles

Open Science and Ireland Conference

National Open Research Forum (NORF)
 Collaboration with GO-FAIR and DTL
 Building awareness FAIR workshops

HRB Open Research platform
 HRB DORA signatory
 HRB-HEI data stewards upskilling, Leiden
 Phase I FAIR DMP pilot in HRB funding schemes
 Collaboration with GIFSCO and ZonMW

National Framework for transitioning to open research published by Irish government
 National Integrity Policy Statement
 Phase II FAIR DMP pilot
 HRB

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

National Open Research Forum (NORF) Phase 2
 FAIR DMP pilot Phase 2: International review of DMPs
 HRB national GDPR and national ethics roles (potential for synergies)
 HRB policy on sharing and managing research data
 ? HRB Open Research and DMP publication
 ? Irish Funders national approach to DMPs (DCC platform)
 ? Member States National Coordination

