Open Access & Horizon 2020

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Workshop Outline

• Overview of Open Access in H2020
• What is Open Access?
• Gold & Green Open Access
• ULIR & ULRIS
• Open Research Data Pilot
• Considerations for publication strategy
• Questions?
29.2 Open access to scientific publications

Each beneficiary must ensure open access (free of charge, online access for any user) to all peer-reviewed scientific publications relating to its results.

In particular, it must:

(a) as soon as possible and at the latest on publication, deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications;

Moreover, the beneficiary must aim to deposit at the same time the research data needed to validate the results presented in the deposited scientific publications.

(b) ensure open access to the deposited publication — via the repository — at the latest:

(i) on publication, if an electronic version is available for free via the publisher, or

(ii) within six months of publication (twelve months for publications in the social sciences and humanities) in any other case.
(c) ensure open access — via the repository — to the bibliographic metadata that identify the deposited publication.

The bibliographic metadata must be in a standard format and must include all of the following:

- the terms "European Union (EU)" and "Horizon 2020"["Euratom" and Euratom research and training programme 2014-2018"];

- the name of the action, acronym and grant number;

- the publication date, and length of embargo period if applicable, and

- a persistent identifier.
29.3 Open access to research data

OPTION for actions participating in the open Research Data Pilot: Regarding the digital research data generated in the action (‘data’), the beneficiaries must:

(a) deposit in a research data repository and take measures to make it possible for third parties to access, mine, exploit, reproduce and disseminate — free of charge for any user — the following:

(i) the data, including associated metadata, needed to validate the results presented in scientific publications as soon as possible;

(ii) other data, including associated metadata, as specified and within the deadlines laid down in the ‘data management plan’ (see Annex 1);

(b) provide information — via the repository — about tools and instruments at the disposal of the beneficiaries and necessary for validating the results (and — where possible — provide the tools and instruments themselves).
What is Open Access?

- Open access (OA) → the practice of granting free Internet access to research articles and other products of research including theses and book chapters.
- Types of open access:
  - **Gold open access** → immediate open access that is provided by a publisher either in a fully OA journal or a hybrid journal.
  - **Green open access** → immediate or delayed open access that is provided through self-archiving.
Benefits of Open Access

• No subscriptions necessary
• Greater visibility of your research – indexed by Google Scholar, Google, etc.
• Dissemination of knowledge – a public good
• Increases research exposure and citation rate (Open Access citation advantage)
• Satisfy funding agency requirements (e.g. SFI, IRC, EU, H2020)
• Permanent archiving of your work
## The Open Access Citation Advantage

<table>
<thead>
<tr>
<th>Field</th>
<th>Increase in Citations with Open Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics / astronomy</td>
<td>170% to 580%</td>
</tr>
<tr>
<td>Mathematics</td>
<td>35% to 91%</td>
</tr>
<tr>
<td>Biology</td>
<td>-5% to 36%</td>
</tr>
<tr>
<td>Computer science</td>
<td>157%</td>
</tr>
<tr>
<td>Communications studies (IT)</td>
<td>200%</td>
</tr>
<tr>
<td>Medicine</td>
<td>300% to 450%</td>
</tr>
<tr>
<td>Agricultural sciences</td>
<td>200% to 600%</td>
</tr>
<tr>
<td>Electrical engineering</td>
<td>51%</td>
</tr>
</tbody>
</table>

Examples of Gold OA

- PLoS ONE
- Elsevier
Example of Green OA:  http://ulir.ul.ie
Additional Benefits of ULIR

• Provides an online searchable database of the research outputs of your project
• Increases brand awareness of your research project
• Provides a permanent web link for each publication
• Will provide usage metrics (by end of April 2014)
RIAN, the Irish word for path, is your route to Open Access Irish research publications.
OpenAIRE [www.openaire.eu](http://www.openaire.eu)
Registry of Open Access Repositories (ROAR) http://roar.eprints.org/

OpenDOAR

The Directory of Open Access Repositories - OpenDOAR

OpenDOAR is an authoritative directory of academic open access repositories. Each OpenDOAR repository has been visited by project staff to check the information that is recorded here. This in-depth approach does not rely on automated analysis and gives a quality-controlled list of repositories.

As well as providing a simple repository list, OpenDOAR lets you search for repositories or search repository contents. Additionally, we provide tools and support to both repository administrators and service providers in sharing best practice and improving the quality of the repository infrastructure. Further explanation of these features is given in a project document Beyond the list.

The current directory lists repositories and allows breakdown and selection by a variety of criteria - see the Find page - which can also be viewed as statistical charts. The underlying database has been designed from the ground up to include in-depth information on each repository that can be used for search, analysis, or underpinning services like text mining. The OpenDOAR service is being developed incrementally, developing the current service as new features are introduced. A list of Upgrades and Additions is available.

Developments will be of use both to users wishing to find original research papers and for service providers like search engines or alert services which need easy-to-use tools for developing tailored search services to suit specific user communities.
Ireland’s National Principles on Open Access

- Ireland’s National OA Policy:
  - Is fully aligned with the Open Access requirements of Horizon 2020
  - Supports the ‘Green’ route to Open Access i.e. self-archiving via a local institutional repository
- Irish universities have not implemented systems for paying additional publisher fees for Open Access (the ‘Gold’ route to Open Access)
- Even when ‘Gold’ OA fees are paid, the papers must still be deposited in the local institutional repository.

How to Deposit in ULIR?

1. Direct upload from UL’s Research Information System (ULRIS)
2. Register under My Account on the ULIR to self-archive
3. Email material directly to ir@ul.ie
ULRIS  http://ulris.ul.ie/live
Welcome
Dr. Fintan Bracken
BSc MLIS PhD
Assistant Librarian
Academic & Registrar

Profile last published:

- Preview your Profile (HTML)
- Download your Profile (RTF)
- Download all data (RTF)

Search Profiles
You can search all active profiles and research publications by keyword:

Search For:

- Include Staff Profiles
- Include Publications

Search

Activities By Year
Select Chart: Publications by Year

UL Research Information System
Overview

You are here: Home > Your Profile

UL Research Information System User Guide

If you have any problems using the system, please e-mail ulris@ul.ie

Welcome to UL's Research Information System for recording your Research profile information and research outputs (publications, project, patents etc.) The aim of the Research Information System is to provide researchers with a system that is easy and quick to populate and also allows the end user to extract their data quickly and easily. The main benefits of the new Research Information System are:

Automatic download of new publications from ISI & PubMed
Upload Articles via ULRIS to ULIR
Pilot on Open Research Data

**Scope of the Pilot.** For the 2014-2015 Work Programme, the areas of Horizon 2020 that participate in the Open Research Data Pilot are:

- Future and Emerging Technologies
- Research infrastructures – part e-Infrastructures
- Leadership in enabling and industrial technologies – Information and Communication Technologies
- Societal Challenge: 'Secure, Clean and Efficient Energy' – part Smart cities and communities
- Societal Challenge: 'Climate Action, Environment, Resource Efficiency and Raw materials' – except raw materials
- Societal Challenge: 'Europe in a changing world – inclusive, innovative and reflective Societies'
- Science with and for Society

**Voluntary participation in the Pilot on Open Research Data.** Areas or subareas of, or individual projects funded under Horizon 2020 and not covered by the scope of the Pilot outlined above may participate in the pilot on a voluntary basis. The project consortia that decide to participate in the Pilot on a voluntary basis will include article 29.3 in their grant agreement and will be monitored along with and receive the same support as all other projects participating in the Pilot.
Opting Out of the Pilot

Total or partial opting out of the Pilot Action on Open Research Data.
Projects may at any stage opt out of the Pilot for a variety of reasons, namely:

- if participation in the Pilot on Open Research Data is incompatible with the Horizon 2020 obligation to protect results if they can reasonably be expected to be commercially or industrially exploited;

- if participation in the Pilot on Open Research Data is incompatible with the need for confidentiality in connection with security issues;

- if participation in the Pilot on Open Research Data is incompatible with existing rules concerning the protection of personal data;

- if participation in the Pilot on Open Research Data would jeopardise the achievement of the main aim of the action;

- if the project will not generate / collect any research data;

- if there are other legitimate reason to not take part in the Pilot (at proposal stage – free text box provided).
Types of Data for Open Research Data Pilot

1. The data needed to validate the results presented in scientific publications as soon as possible

2. Other data as specified and within the deadlines laid down in the data management plan
Considerations for your Publication Strategy

- You must **deposit all** of your peer-reviewed **publications in ULIR** (or another repository) even if the articles will also be available via Gold OA
- If selecting Green OA only, ensure that the journals you will target for publication will allow authors to deposit articles in ULIR
- Engage with publishers – negotiate contracts & copyright transfer agreement
- You can check the **policies of journals** with SHERPA RoMEO (http://www.sherpa.ac.uk/romeo/)
Considerations for your Publication Strategy

- Publications must be **deposited** in ULIR as soon as possible or at the latest **upon publication**
- If using Green OA only, deposited publications must be **made open access** within **6 months** of publication (12 months for social sciences & humanities)
- If using Gold OA, deposited publications must be **made open access** on publication
Considerations for your Publication Strategy

- If you are going to publish via Gold OA then your proposal must include provision for the Author Processing Charges (APCs)
- APCs range from US$500 to US$5,000 (approx.) depending on the journal
- Most publishers allow articles to be made OA in many of their subscription journals *i.e.* hybrid journals
Considerations for your Publication Strategy

- The Directory of Open Access Journals (DOAJ) provides a list of fully OA journals.
- If a fully OA journal you are considering is not included in the DOAJ then check if the publisher or title is included in Beall’s List of Predatory Publishers or Standalone Journals.
- Contact Stephanie or Fintan if you are unsure.
Process

1. Deposit paper in ULIR, ensuring that the correct metadata are included - via ULRIS, ULIR or email
2. If participating in the Open Research Data Pilot, deposit research data in ULIR and link to paper(s)
3. Determine reporting process from the beginning with ULIR manager
4. Include standardised text on Open Access in proposal / make standardised text on Open Access available to lead partner
Useful Resources

• Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020

• Guidelines on Data Management in Horizon 2020

  http://www.hyperion.ie/paypal.htm
Thank You

Questions?

Contact Details:
• Email: fintan.bracken@ul.ie
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• Tel: 061-233296
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• Room: Technical Services
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