The Role of Libraries in Research Culture

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UCD Library

Libraries supporting research culture

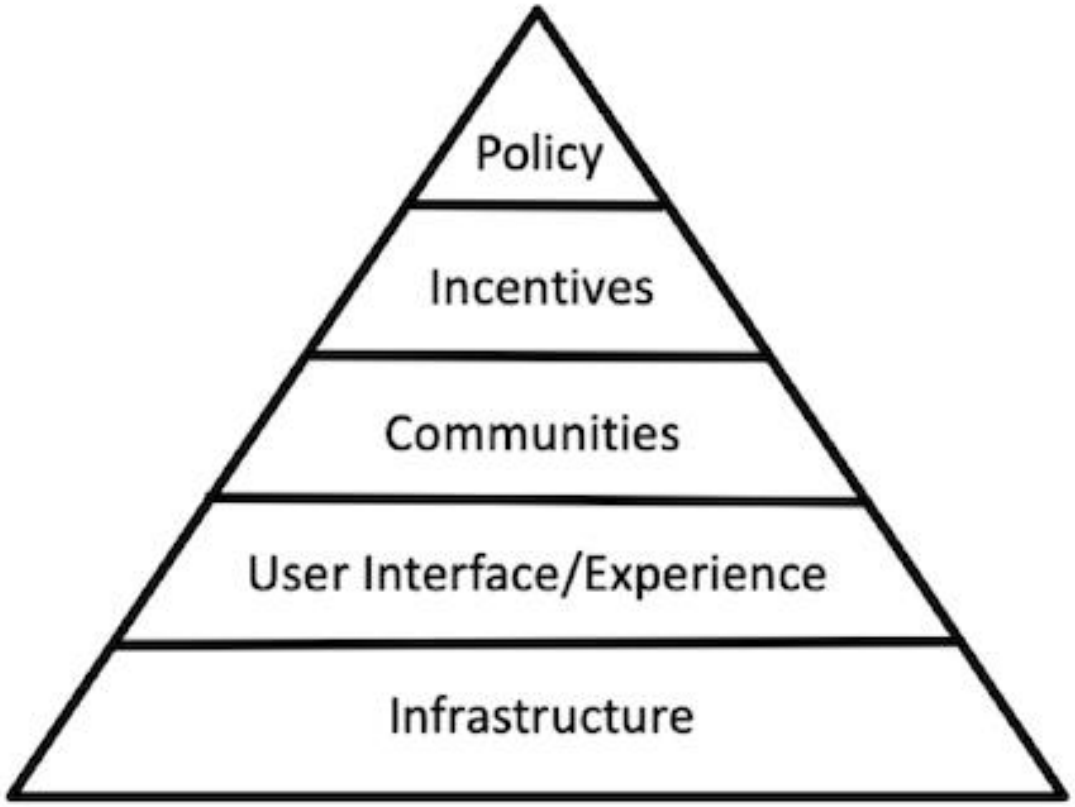
- Open Research & Open Access Publishing
- Research Data Management
- Responsible Research Evaluation
- Research Integrity
- Digital Literacy

UCD Library's approach to research culture

- **Putting the researcher at the centre**
  Ensuring our supports are informed by and co-created with the research community
- **Collaboration with campus partners and other stakeholders**
  Research Culture is a community-wide endeavour
- **Empowering researchers through open research skills education & training**
  Researchers at all career levels are supported throughout the research lifecycle
- **Embedding EDI in our services & collections**
  Understanding and valuing different needs, perspectives and disciplines
- **Communication and more communication**
  Listening to understand, communicating to change perceptions

Libraries and Open Research & Open Access Publishing

Centre for Open Science strategy for culture and behavior change



Make it required

Make it rewarding

Make it normative

Make it easy

Make it possible

Libraries

Source: https://www.cos.io/blog/strategy-for-culture-change

Why?

IMPROVES **TRANSPARENCY AND REPRODUCIBILITY**

INCREASES **ACCESS** TO RESEARCH AND IMPROVES KNOWLEDGE TRANSFER

SUPPORTS **GREATER VISIBILITY OF RESEARCHERS**

INCREASED **ECONOMIC AND SOCIETAL BENEFITS**

SHARING DATA, CODE AND OTHER OUTPUTS SUPPORTS A CULTURE OF **RESEARCH INTEGRITY**

INCREASES **PUBLIC TRUST** IN SCIENCE THROUGH GREATER TRANSPARENCY

RESEARCHERS CAN ACCESS A WIDER RANGE OF RESEARCH ENABLING **INTERDISCIPLINARITY**

IReL Open Access publishing agreements

Removes the significant cost barrier for researchers in publishing OA

OA facilitates broader impact and a citation advantage through greater visibility and access. Ensuring fair and equitable opportunities to publish OA is key so those without funding aren't left behind

Provides access to many of the major publishers which are important to researchers to support their career and competitiveness in funding applications e.g. ***Elsevier, Wiley, Taylor & Francis, Springer, American Chemical Society, Royal Society of Chemistry etc.***

IReL Open Access publishing agreements

Supporting bibliodiversity through agreements
with non-profit publishers and learned societies

Acadamh Ríoga na hÉireann
Royal Irish Academy

THE
ROYAL
SOCIETY

IReL opening up access to Irish research

Total OA articles published under IReL & Elsevier agreements (all institutions combined):

2020 Agreements commence: 997

2021: 2,858

2022 (projected): 3,500

UCD Library builds on IReL's success with additional UCD-level agreements

The Geological Society

serving science and profession

JOHN BENJAMINS PUBLISHING COMPANY

Libraries supporting a fairer and more equal publishing ecosystem

Publishing Research is Changing

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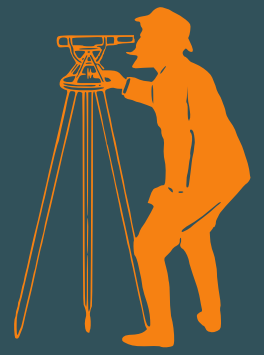
OA Publishing Agreements SURVEY



WHY?

- 25 OA agreements in UCD Library
- Varying understanding of OA deals
- Positioning the Library as service and support provider

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HOW?

Capturing authors' experience while is still fresh and when they are most likely to engage - right after the article is approved for OA funding.

Were you aware of the Open Access Agreements before starting your publishing journey?

Where did you first learn about Open Access Publishing Agreement?

Which publisher did you use?

Was the process of availing of the OA deal clear on the publisher's platform (if no, please explain)?

Was your choice of journal influenced by whether there was an OA agreement available?

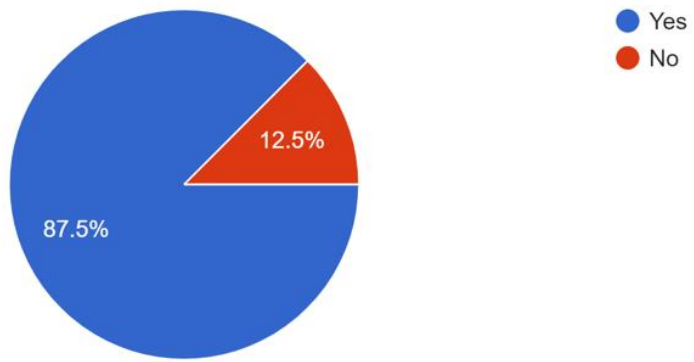
Without OA deal, would you have still opted to publish OA?

How UCD Library could support researchers better in availing of OA deals?

KEY FINDINGS

Were you aware of the Open Access Agreements before starting your publishing journey?

104 responses



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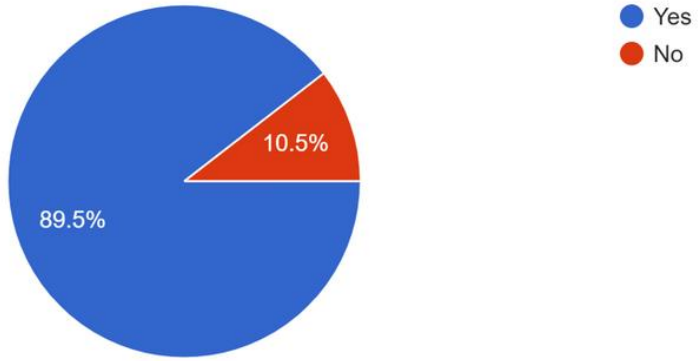

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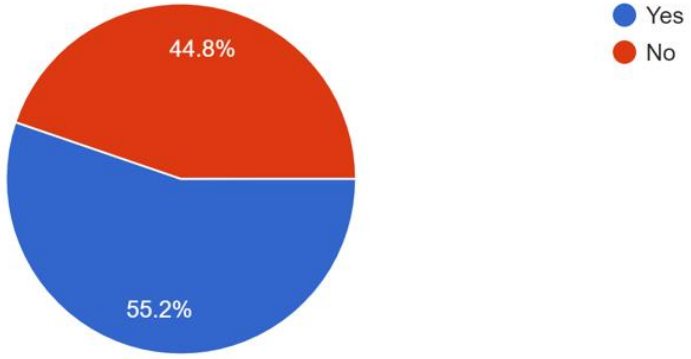

Without OA agreement, would you have still opted to publish OA?

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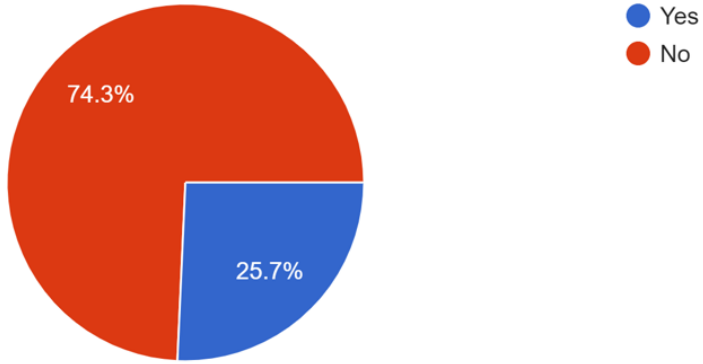

KEY FINDINGS

Could UCD Library support researchers better in availing of OA deals?

- Capped APC allocation agreements - uncertainty whether OA quota will be reached by the time the article is published.
- More journals to be included in the deal.
- Extend the scope of the OA agreements to cover other key publishers.
- Raise awareness of OA deals particularly to early career / novice researchers.
- Library support is very much appreciated.

"This is a wonderful service to have available at UCD. If more journals were included, that would be even better, but already it is fantastic to have this available."

"There are some key publishers in mathematics (e.g. the American Mathematical Society) that are not covered by OA. It would be great to extend the scope of the OA agreements to cover these."

"The process was very straightforward, and I am grateful for the funding, however, I wasn't aware it existed before today."

"The way forward will be to have OA with all journals. like it or not, impact factor matters. so, we 'll go for it and we'll publish the paper without OA."

"...the main thing is raising awareness and making it clear, particularly to early career / novice researchers, what it means and how it works. I recently discussed with our section of the school and many faculty were not aware of this."

WHAT'S NEXT?

- Raise awareness (what it means and how it works) particularly to early career / novice researchers.
- Tailor the information we put out for researchers through our communication channels.

LibGuide

Social Media

Information sessions

Newsletter

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Institutional Repositories

Research Repository UCD collects, preserves and makes freely available publications including peer-reviewed articles, working papers, book chapters and conference papers created by UCD researchers.

Where material has already been published it is made available subject to the OA policies of the original publishers.

No cost to authors or readers – increases visibility and global impact of research

Approx 15,000 publications free to access online

UCD DUBLIN RESEARCH REPOSITORY UCD

Research Data Management

Benefits of RDM

Increased quality assurance

- Increases research efficiency
- Facilitate data security and reduces risk of data loss
- Ensure compliance with funder requirements

Facilitates reproducibility of research findings

- Supports research integrity and validation of results
- Reduces incentives to engage in research misconduct

Increases re-use of data by other researchers

- Supports wider dissemination and increased impact
- Enables research through secondary data use

Supporting UCD'S RDM policy

"A framework for the management of research data to ensure that research data is stored, retained, made available for use and reuse, and disposed of according to **best international practices** for data management, as well as in **compliance** with legal, statutory, ethical, contractual and intellectual property obligations, and the requirements of funding bodies and publishers"

RDM Service Development

- Enhanced training & one-to-one support for researchers, including greater focus on ECRs, helping to build capacity & support research career development
- Assist UCD researchers in developing high quality DMPs via **DMPonline @ UCD**, supporting legal, ethical & IP obligations as well as best practice
- RDM Community of Practice in collaboration with key campus partners and stakeholders to exchange knowledge & best practice
- Establish a UCD Community on Zenodo supported by advice & assistance from UCD Library

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ISSDA

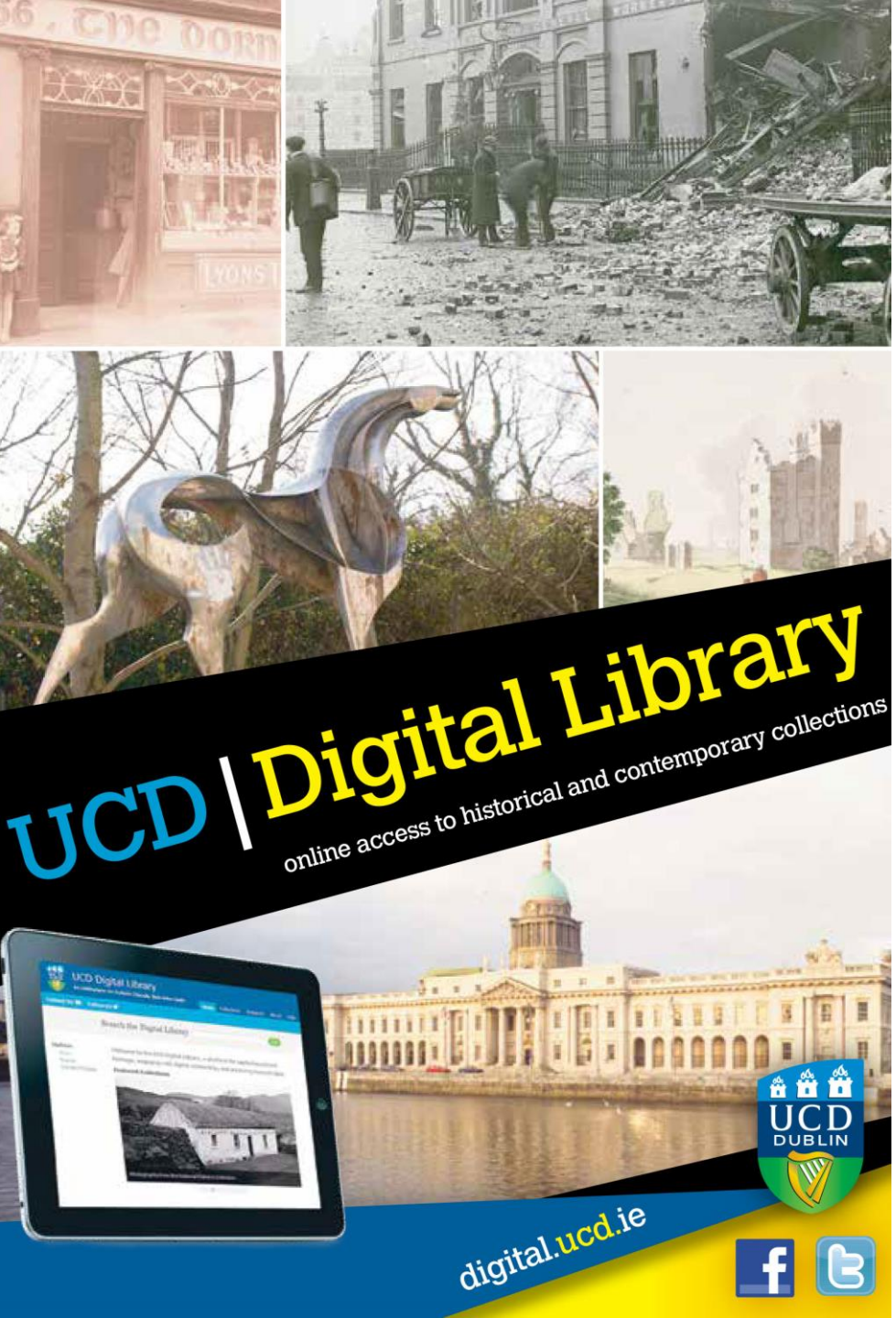
Irish Social Science Data Archive

www.ucd.ie/issda

- **ISSDA is Ireland's national centre for quantitative social science data**
- 70+ key datasets including TILDA, Growing up in Ireland, EU-SILC, Labour Force Survey, Irish Survey of Student Engagement
- Long-term digital preservation and access
- ISSDA became the designated Irish service provider to CESSDA in 2021

essda

IRISH RESEARCH COUNCIL
An Chomhairle um Thaighde in Éirinn



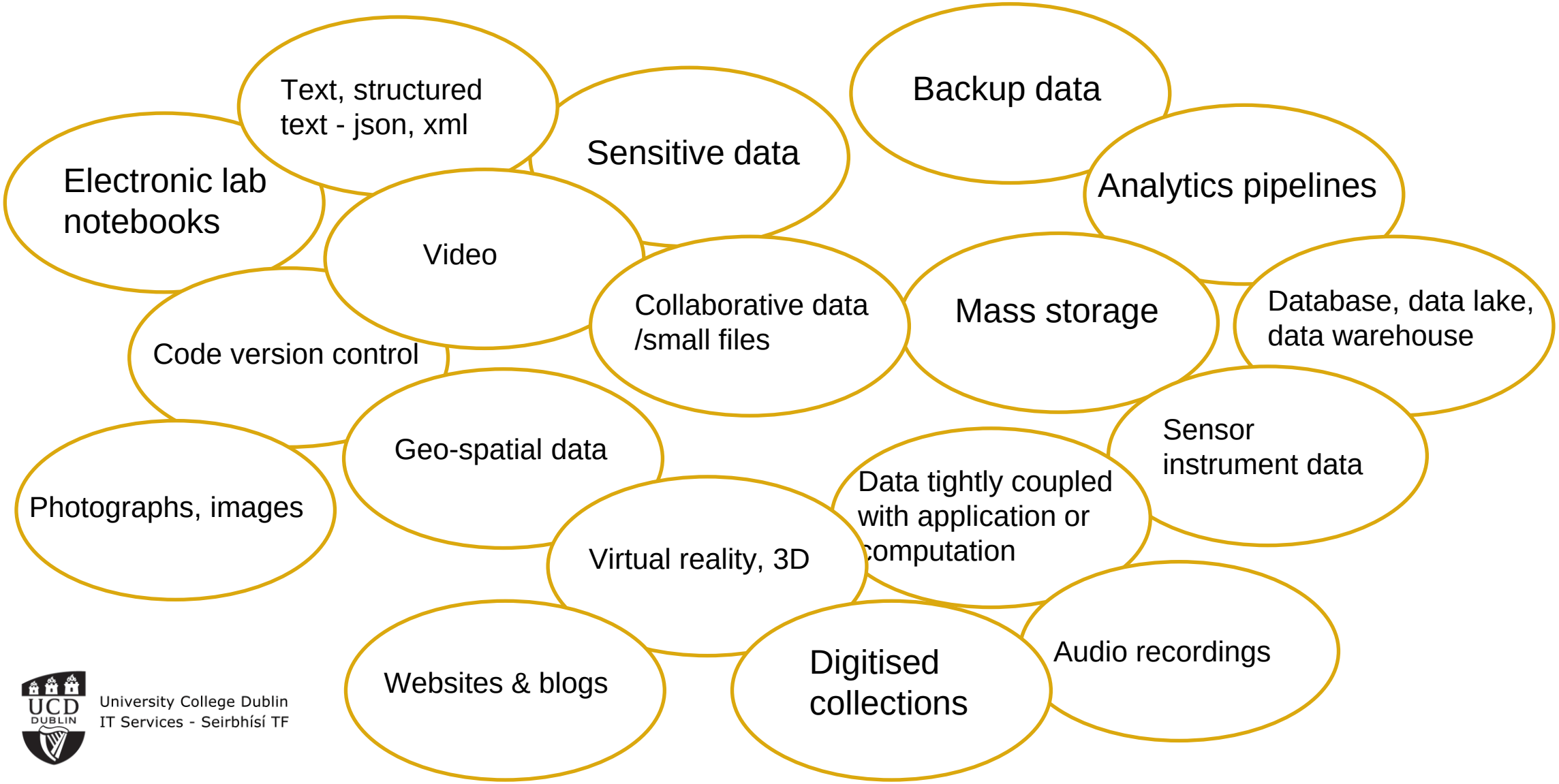
UCD Digital Library

- A preservation and access platform for digital assets from UCD Library's cultural heritage repositories, campus partners, and external partners, including the Garda Museum, Irish Lights, OSi, and the Dublin Diocesan Archive.

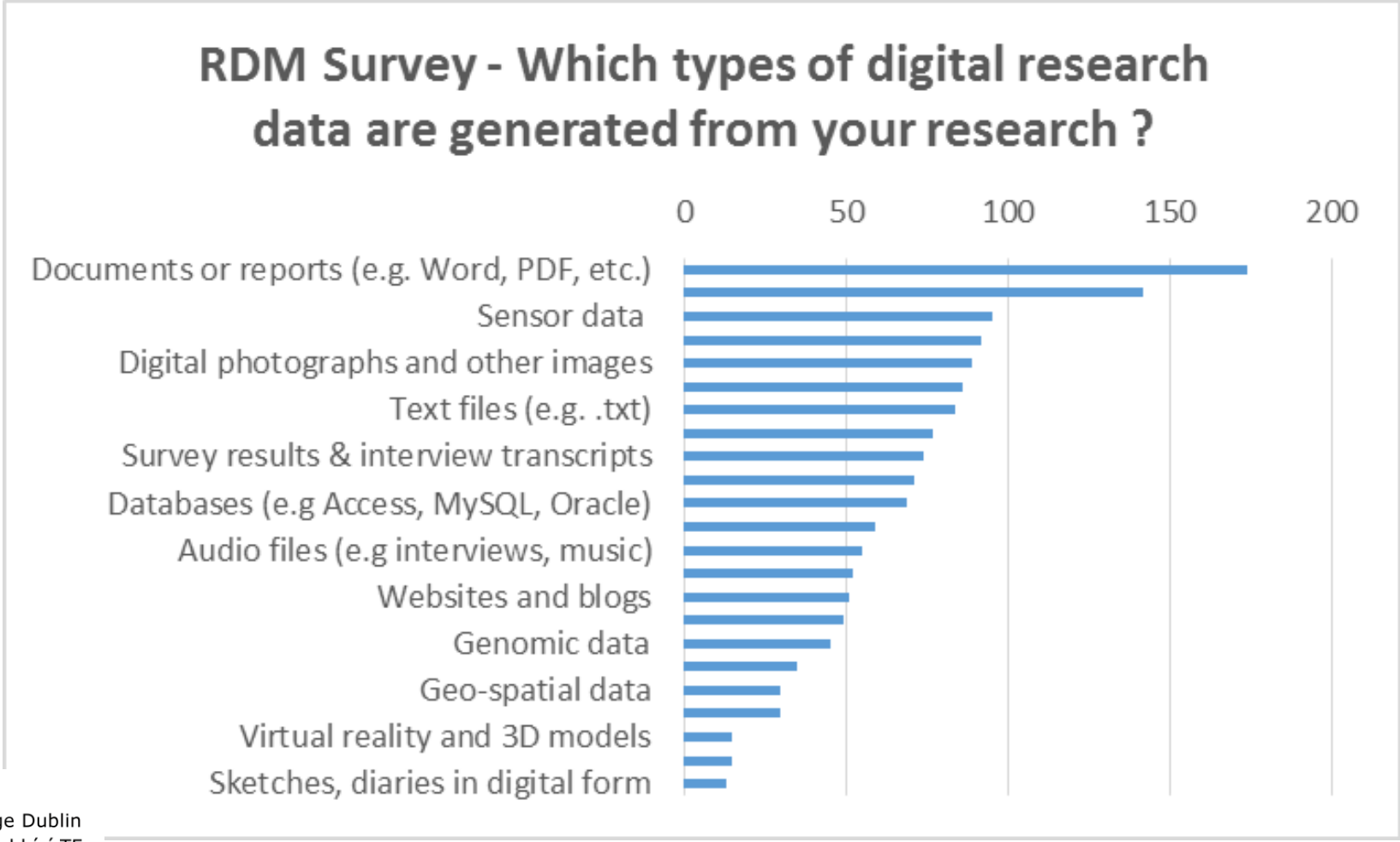
- Delivers community engagement, global impact and collaboration with international data aggregators such as Europeana and Google Arts & Culture.

- 3.5 million pageviews from all over the world since launching in 2012

Growing Need



RDM Survey – Jan 2019



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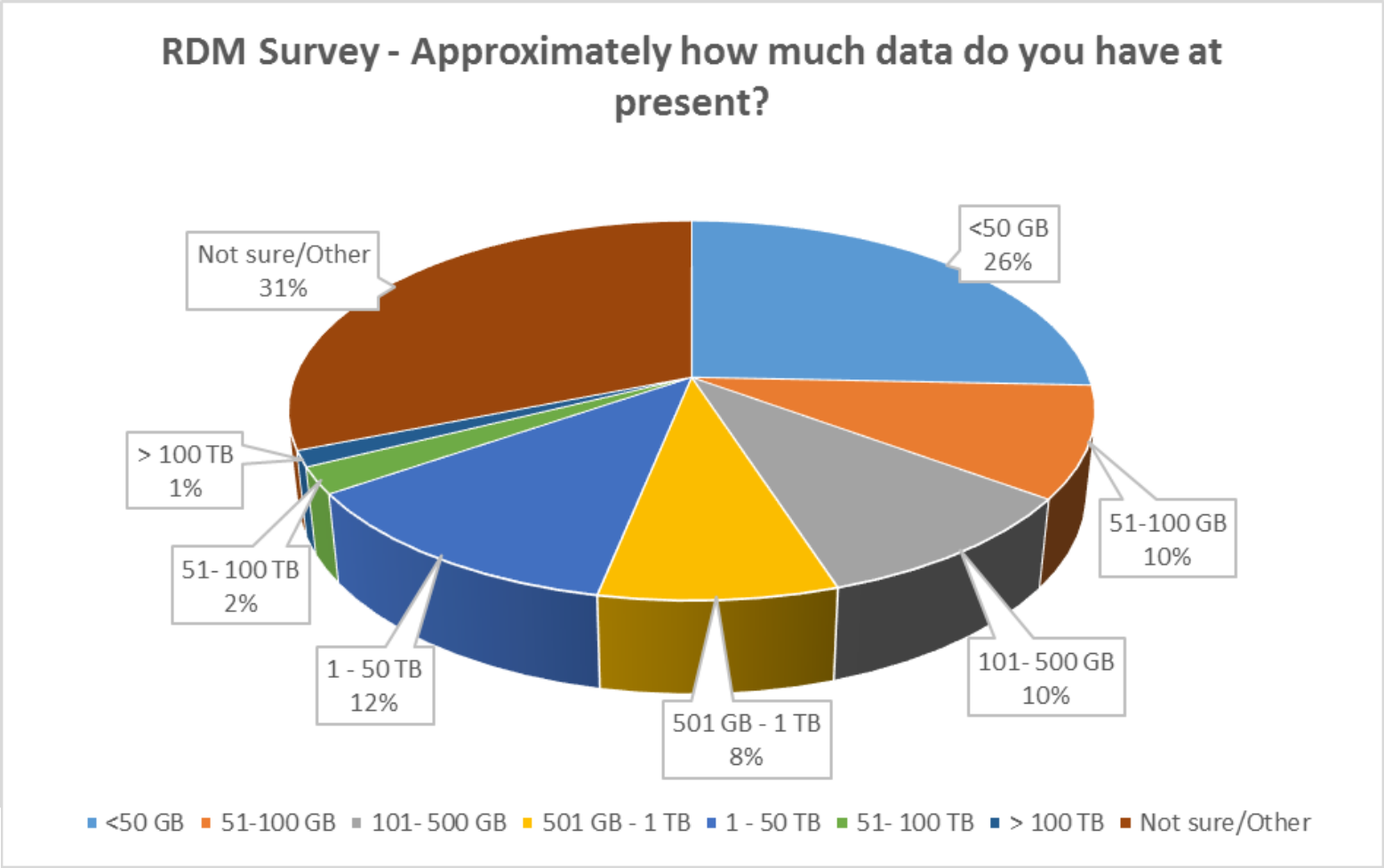
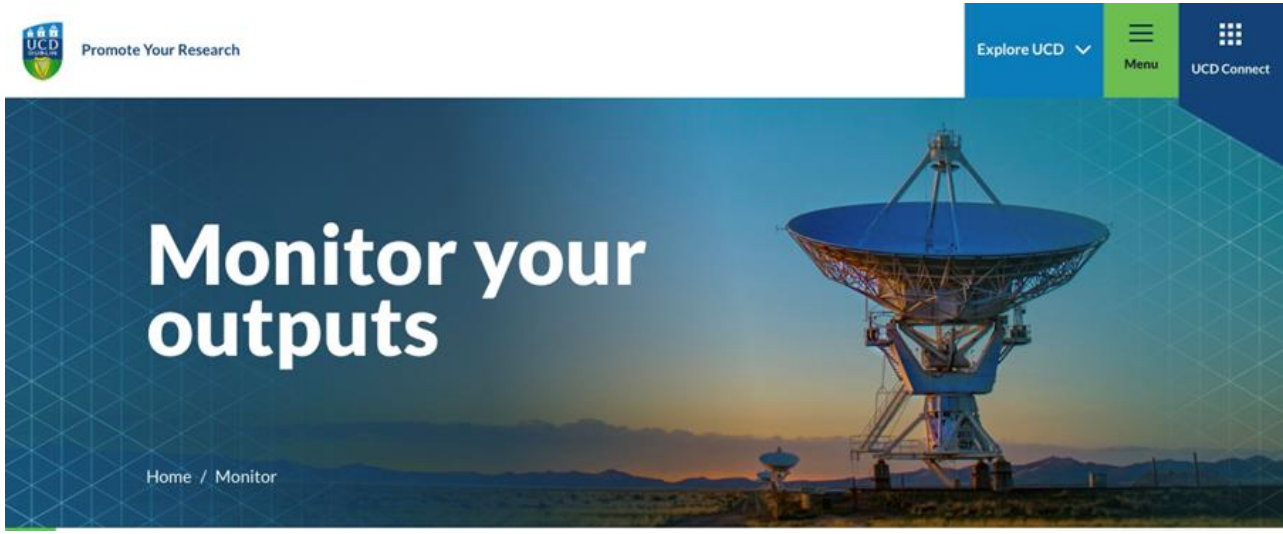


Responsible Research Evaluation

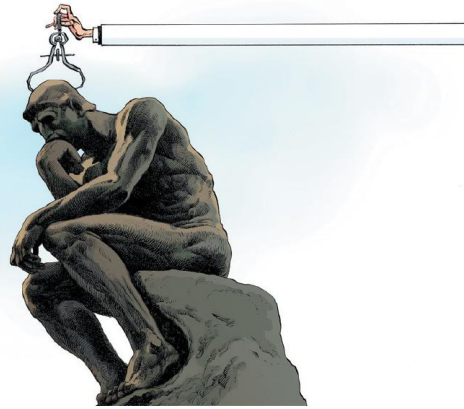
Responsible Research Evaluation

How do we rethink and co-create a fairer publishing ecosystem that rewards and promotes what we value rather than "publish or perish"?



Let's change what we value in research.

Sign DORA



The Leiden Manifesto for research metrics

Research has impact. Not journals.

Libraries directly pay the financial cost of a culture of journal “prestige” driven by Journal Impact Factors through increased subscription and publishing costs, impacting core library values of openness, equity and bibliodiversity.

An APC to publish a single article in Nature costs €9500 (+ VAT)

More transparent publishing costs and models, underpinned by a system that rewards and values research quality, will help ensure libraries are paying for the services valued by the research community rather than branding and prestige

Key principles to drive cultural change

Research metrics can support, but not supplant, qualitative expert assessment

Fair and transparent research assessment procedures and criteria

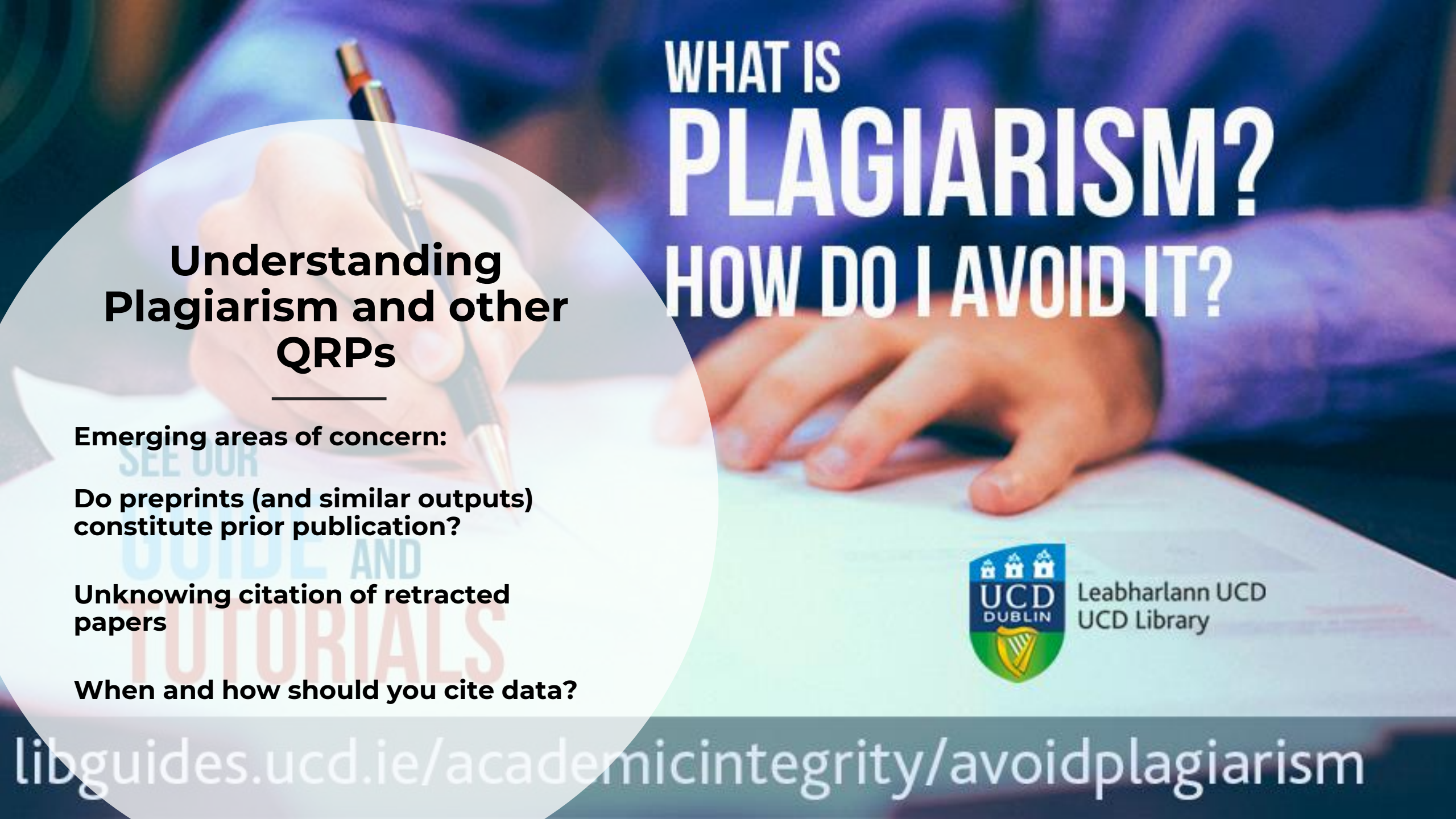
Journal Impact Factors should not be used as a surrogate measure of the quality of individual research articles

Recognise the value of all relevant research outputs (e.g. datasets, software and creative works) and other types of contributions, such as training and influencing policy

Support EDI by recognising that many factors may impact upon an individual's research performance, e.g. career breaks, part-time working etc.

Libraries play a key role by providing advocacy, training and advice

Libraries and Research Integrity



Understanding Plagiarism and other QRPs

Emerging areas of concern:

Do preprints (and similar outputs) constitute prior publication?

Unknowing citation of retracted papers

When and how should you cite data?

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libguides.ucd.ie/academicintegrity/avoidplagiarism

Copyright, licensing, and ethical & legal re-use

Helping researchers understand copyright and author rights is becoming increasing complex

Supporting authors to help them choose the most appropriate licence for their research

Emerging funder requirements (e.g. Plan S Rights Retention Strategy)

Advocating for author rights with publishers

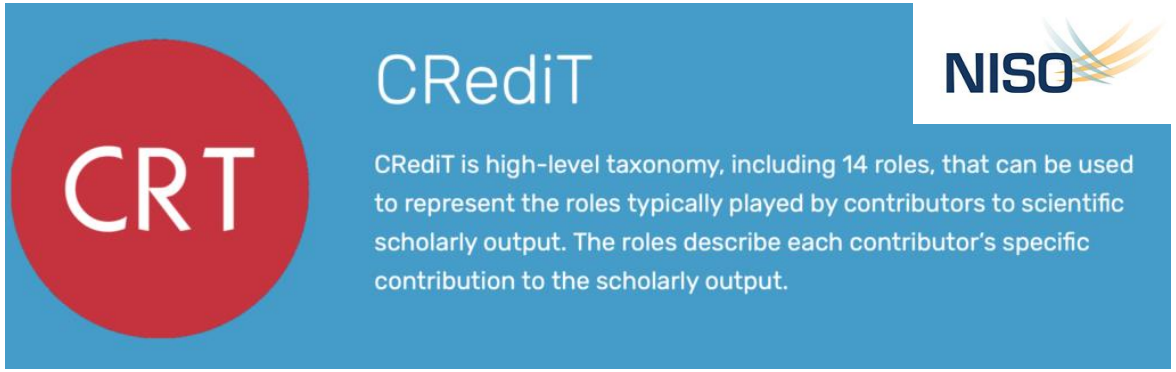
Third party copyright issues in OA publishing

Understanding copyright exceptions for TDM

Image CC BY: DOI: 10.32907/RO-105-0609

Advising on appropriate recognition of author contributions & authorship e.g. CRediT (Contributor Roles Taxonomy)

ORCID supports accurate author attribution and greater reliability of research information across systems



14 Contribution Types:
Conceptualization, Methodology, Software, Validation, Formal analysis, Investigation, Resources, Data curation, Writing – original draft, Writing – review & editing, Visualization, Supervision, Project administration, Funding acquisition

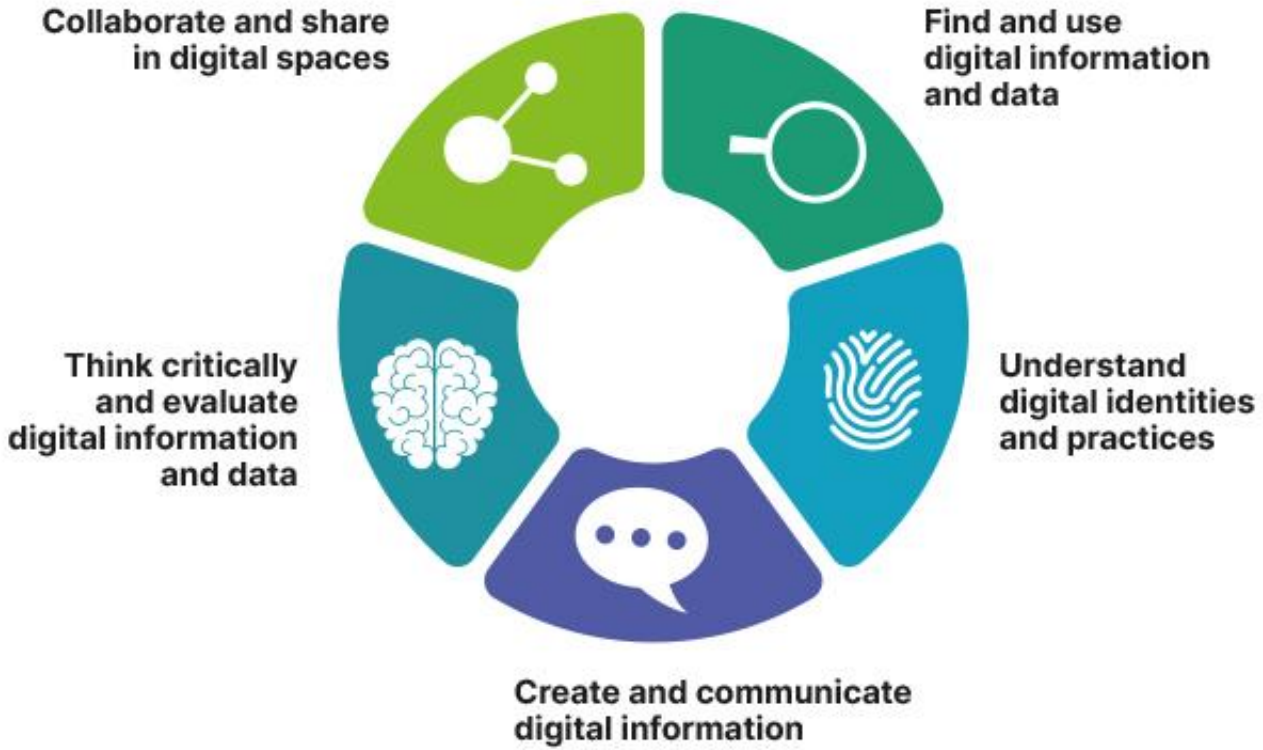
digitalliteracy
ucd library

Digital Literacy underpins a positive research culture

What is Digital Literacy?

“Digital literacy is a recognized set of skills, competencies and attitudes that encompass communication, collaboration, creation, social awareness and ethical practices in the digital environment”

UCD Library's Digital Literacy Framework



Think critically and evaluate digital information and data

- Critically evaluate the quality of digital information and data.
- Critically evaluate the quality of digital content creation tools and platforms.

Find and use digital information and data

- Select appropriate sources of digital information and data.
- Develop successful search strategies to find relevant information and data.

Collaborate and share in digital spaces

- Study and work in digital teams.
- Share information and data on digital platforms.

Understand digital identities and practices

- Understand the benefits and risks of the current digital environment.
- Participate ethically and safely in online spaces.

Create and communicate digital information

- Create and manage digital content.
- Apply academic integrity and ethical research principles to the digital content created.

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https://libguides.ucd.ie/diglit

Thank you

Michelle Dalton, Head of Research Services, UCD Library

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