Open Science & Data Management

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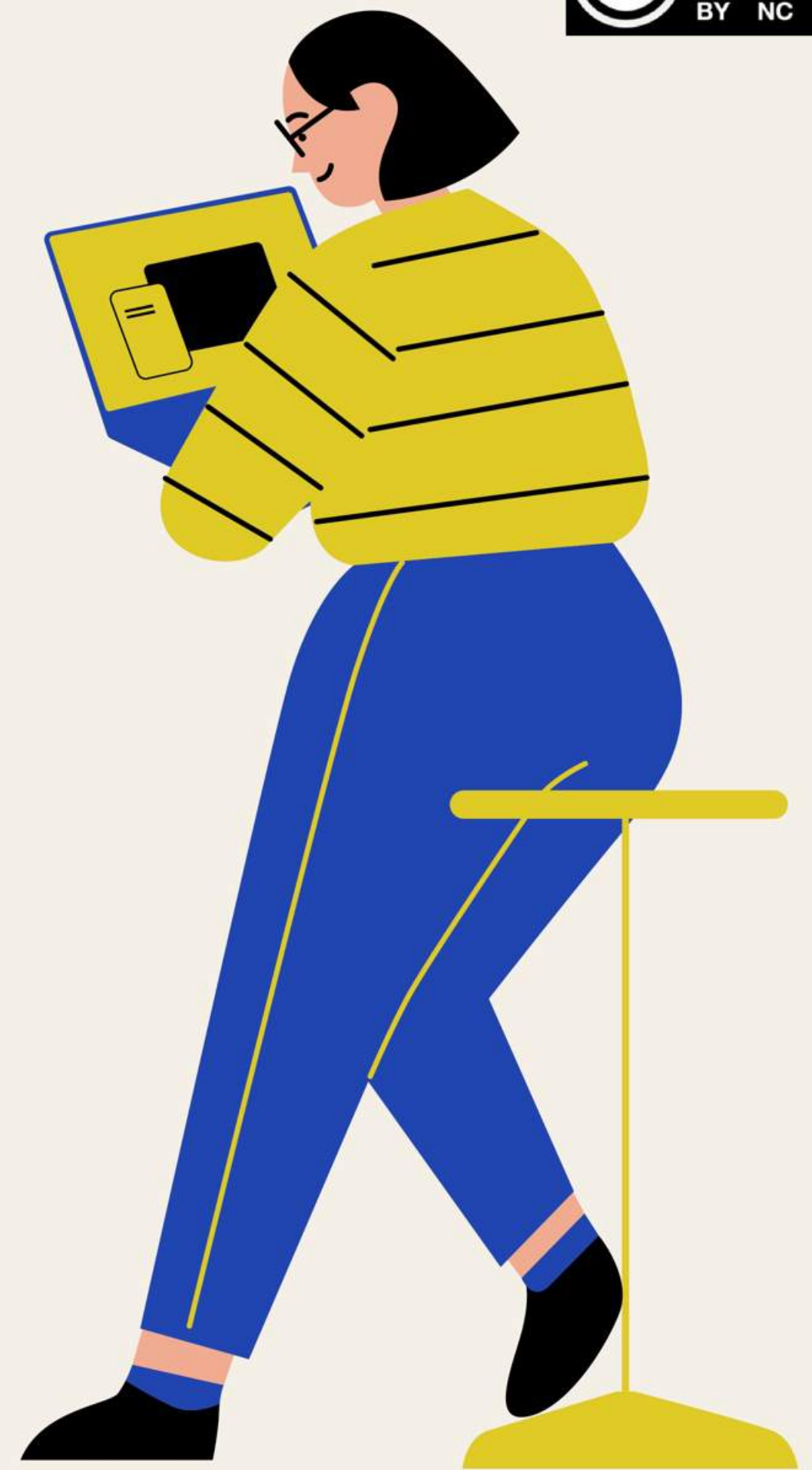
https://harshp.com/

Open   Science / Data

warm up

Introductions

Twitter

@harsh@eupolicy.social

@coolharsh55

moved to Mastodon as @harsh@eupolicy.social

📍 Dublin City, Ireland 🔗 harshp.com 📅 Joined July 2009

207 Following **555** Followers

Mastodon

harsh

@harsh@eupolicy.social

Assistant Professor @ Dublin City University ; Chair W3C Data Privacy Vocabularies & Controls Community Group (DPVCG) ; Semantics x Privacy/DataProtection x Consent x GDPR

Edit profile

Google Scholar

Harshvardhan J.Pandit ✏️

ADAPT Centre, Dublin City University (go to homepage copies)

Verified email at adaptcentre.ie - Homepage

privacy   semantic web   consent   GDPR   regulatory compliance

LinkedIn

Harshvardhan Pandit

Assistant Professor at Dublin City University

County Dublin, Ireland · **Contact info**

489 connections

Open to   Add profile section   More

DCU Dublin City University

Trinity College Dublin

02 - Science

Open science is the <u>movement</u> to make **scientific research** (including <u>publications</u>, <u>data</u>, <u>physical samples</u>, and <u>software</u>) and its <u>dissemination accessible</u> to all levels of society, amateur or professional.
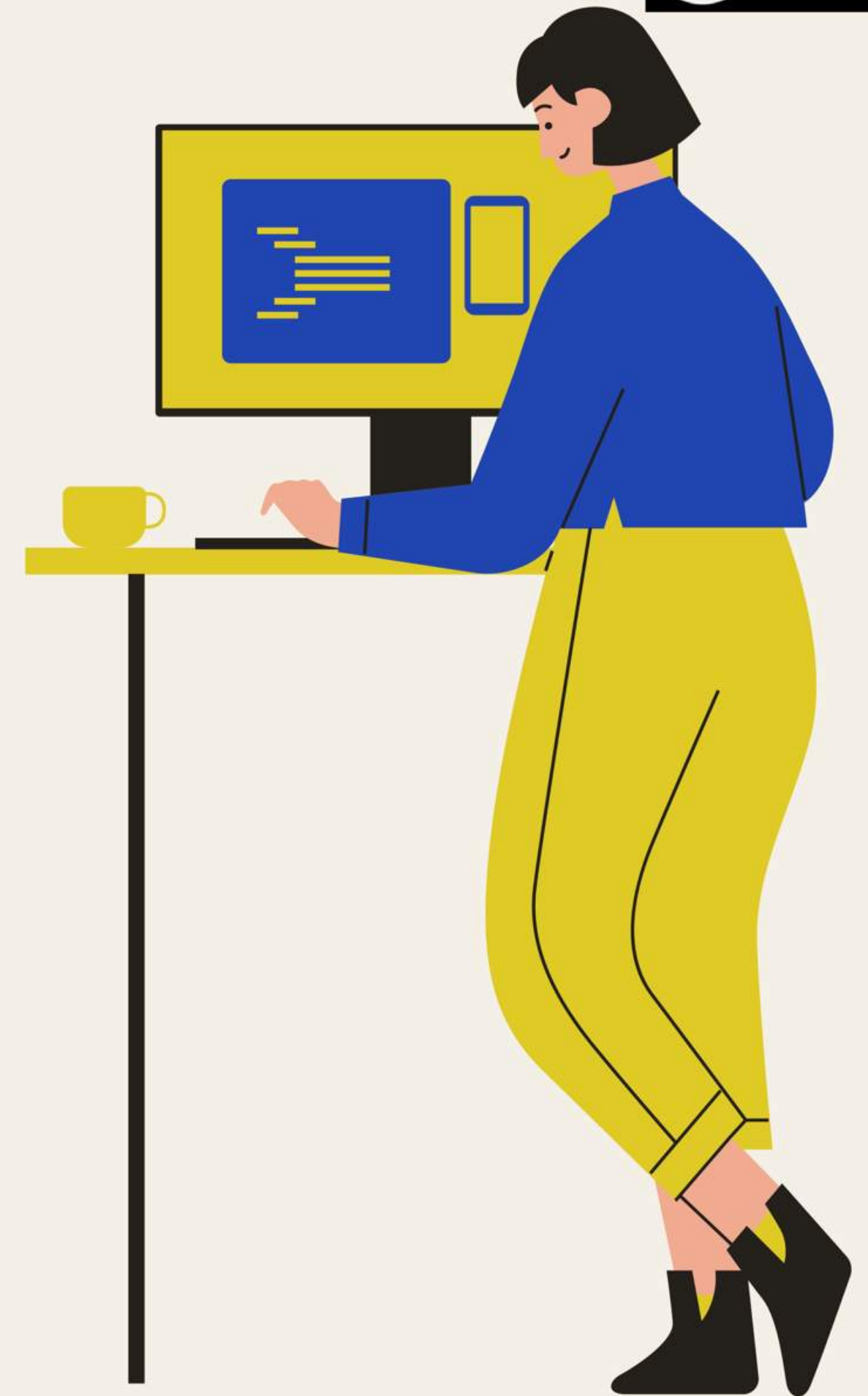
Data

Visualization

Open science is transparent and accessible <u>knowledge that is shared</u> and developed through <u>collaborative networks</u>. It encompasses practices such as publishing <u>open research</u>, campaigning for <u>open access</u>, encouraging scientists to practice <u>open-notebook science</u> (such as openly sharing data and code, broader dissemination and engagement in science and generally making it easier to publish, access and communicate <u>scientific knowledge</u>
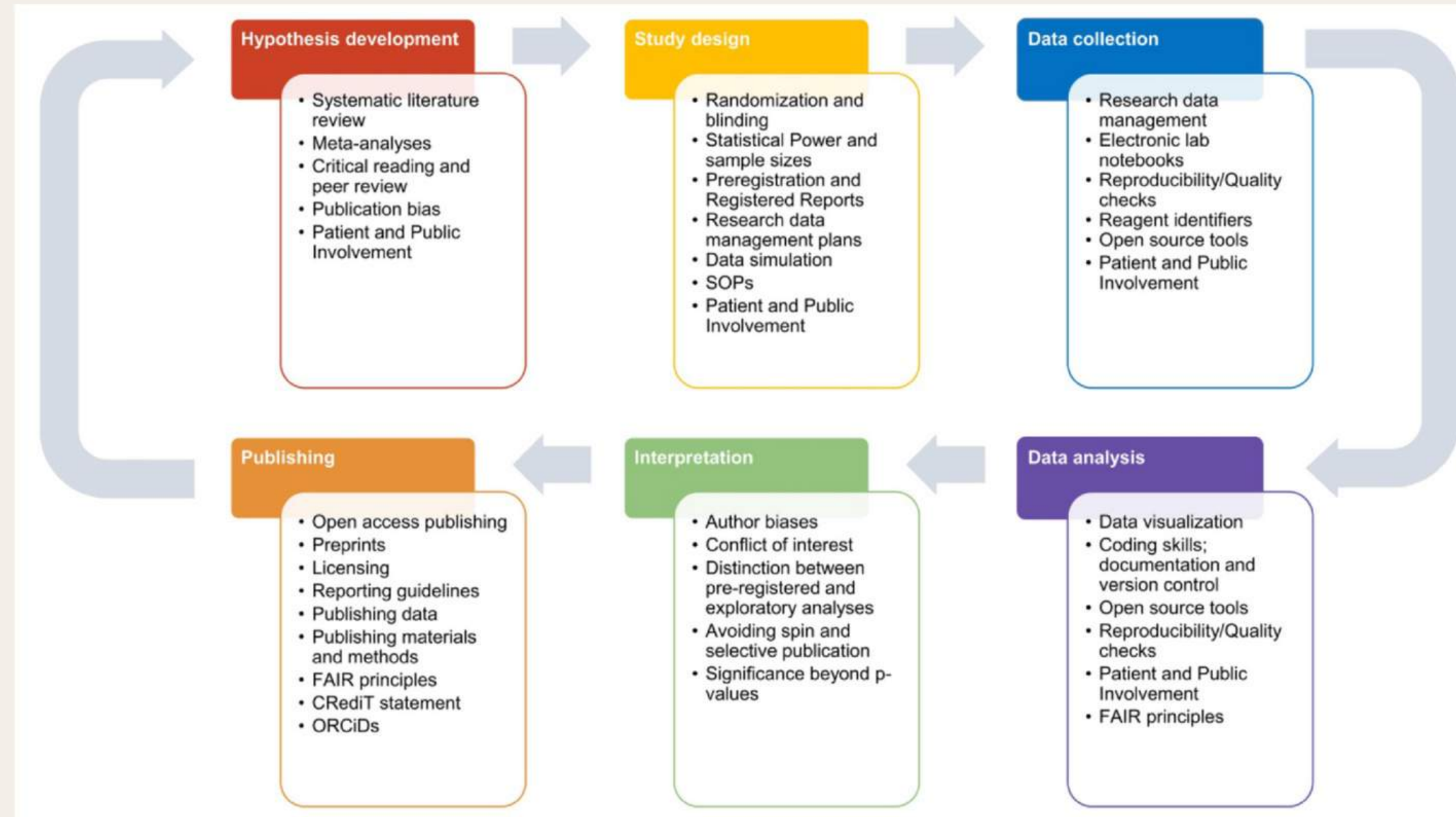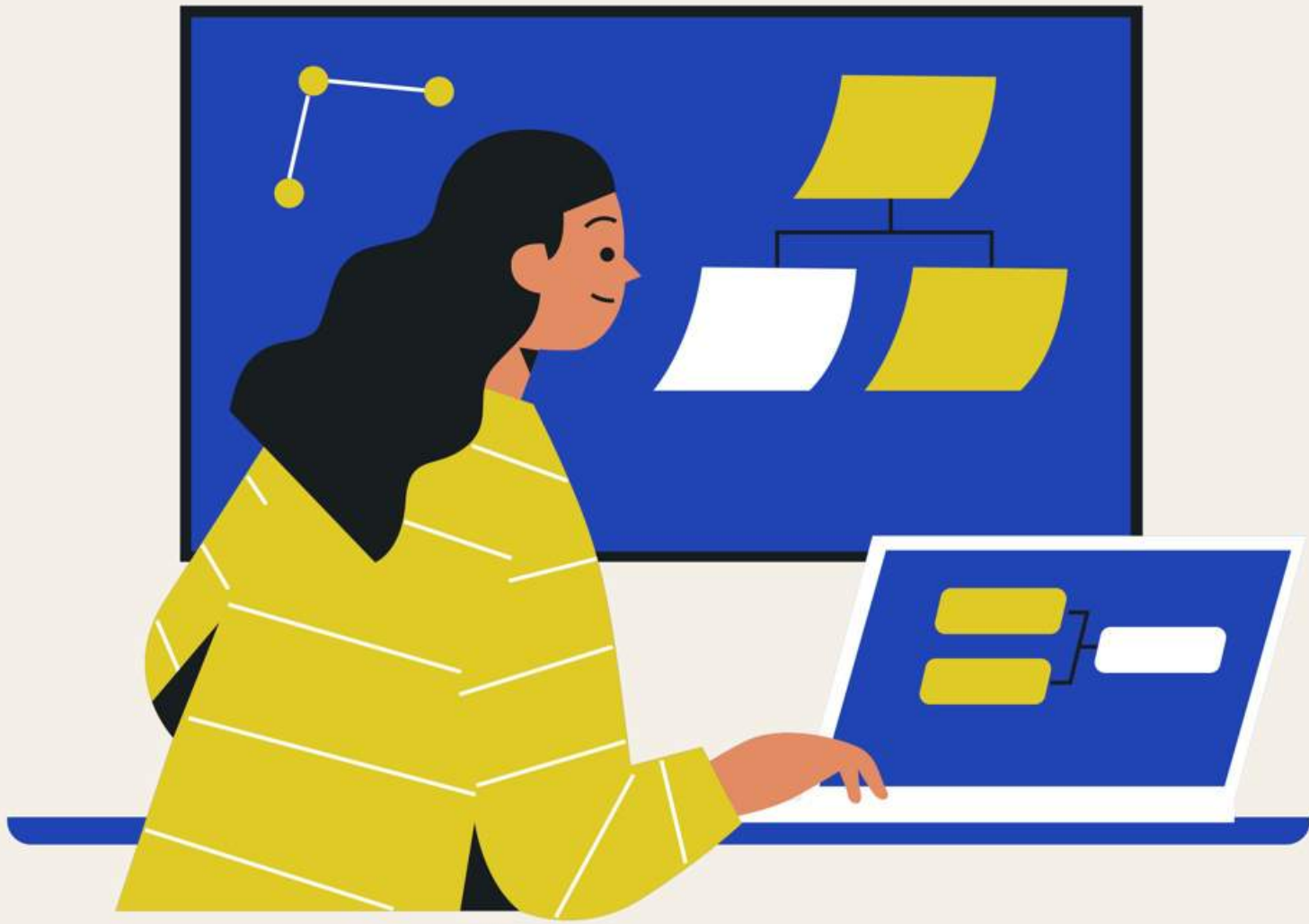
02 - Six Principles of Open Science

> *Scientific process requires reviewing and replication*

- **Open methodology**
- **Open source**
- **Open data**
- **Open access**
- **Open peer review**
- **Open educational resources**

O2 - Data

Data or Information
Samples or Collections
Records or Documents

European Commission

https://ec.europa.eu/research/openscience/

rfg Open Research Funders Group

http://www.orfg.org

SCOSS

http://scoss.org

European Open Science Cloud (EOSC)

This is a cloud for research data in Europe. Background, policy information, events and publications related to the EOSC

Open Science Policy Platform

Group that advises the Commission on how to develop open science policy. Meeting reports, member details and background

Open science monitor

Tracking trends for open access, collaborative and transparent research across countries and disciplines.

Alfred P. Sloan FOUNDATION

American Heart Association.

ARCADIA
A charitable fund of Peter Baldwin and Lisbet Rausing

BILL & MELINDA GATES foundation

Eric & Wendy Schmidt Fund for STRATEGIC INNOVATION

GORDON AND BETTY MOORE FOUNDATION

hhmi
Howard Hughes Medical Institute

JAMES S. McDONNELL FOUNDATION

JOHN TEMPLETON FOUNDATION

ljaf

THE LEONA M. AND HARRY B. HELMSLEY CHARITABLE TRUST

Lumina FOUNDATION

OPEN SOCIETY FOUNDATIONS

Robert Wood Johnson Foundation

wellcome

SHERPA/R♦MEO

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

doab directory open book

PKP PUBLIC KNOWLEDGE PROJECT

open Open Access
Publishing in European Networks

OpenCitations

arXiv

arxiv.org

osf.io

zenodo.org

zenodo

public "preprint server"

TARA
Trinity's Access to Research Archive

DORAS
DCU Online Research Access Service
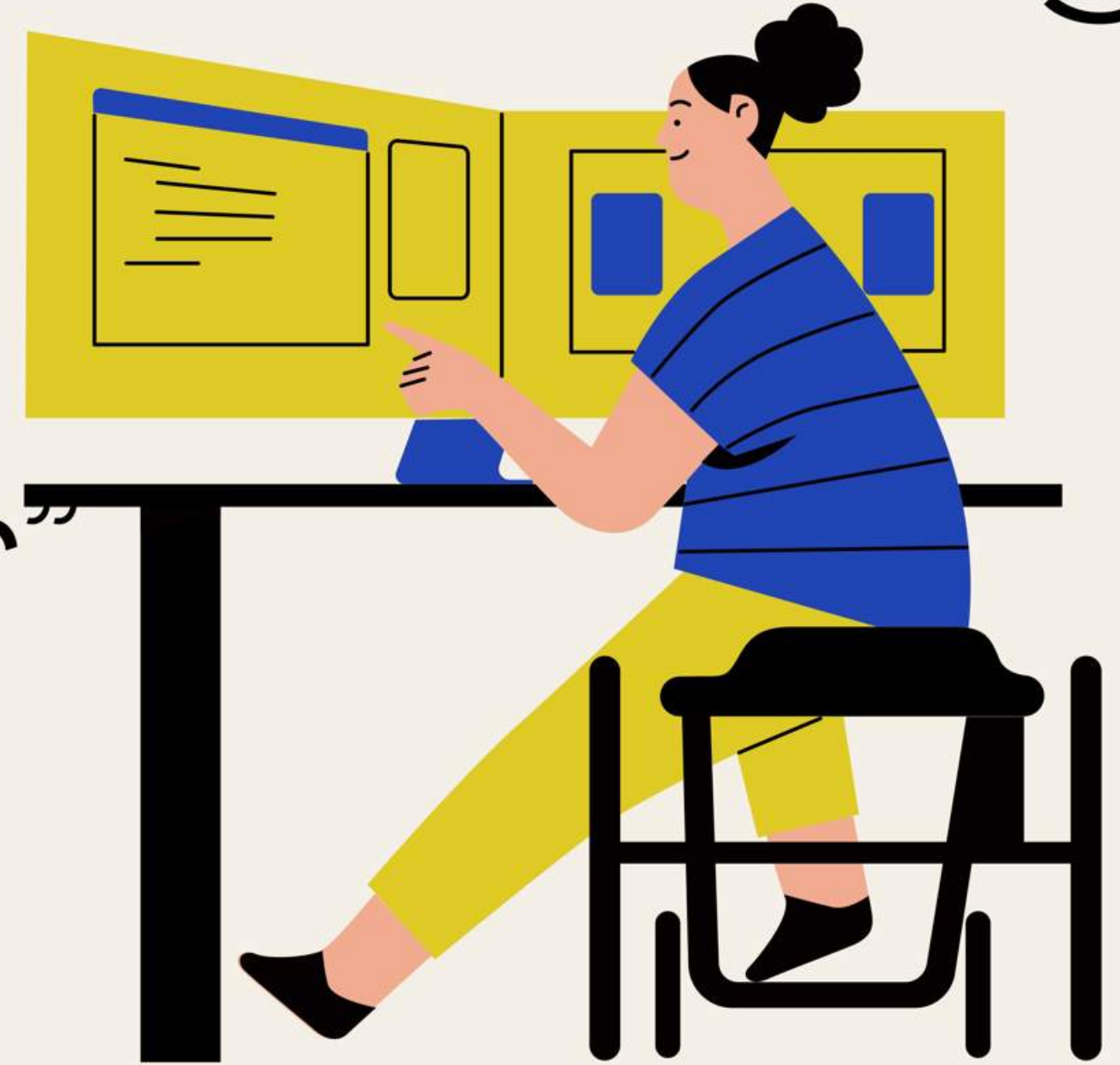
tara.tcd.ie

doras.dcu.ie

institutional repository

Publications
Reports
Data

doi

04 - Publishing Options

Draft   --> Publish for comments
Finalise   --> Publish for feedback
Accepted --> Publish for early access
Presented --> Publish slides
Published   --> Publish for 'open' copies

Publishing articles at different stages helpsdifferent "aims" in the context of Open Science

Can you cite "not accepted" articles ??? What about "accepted but not published" ???

No   Yes
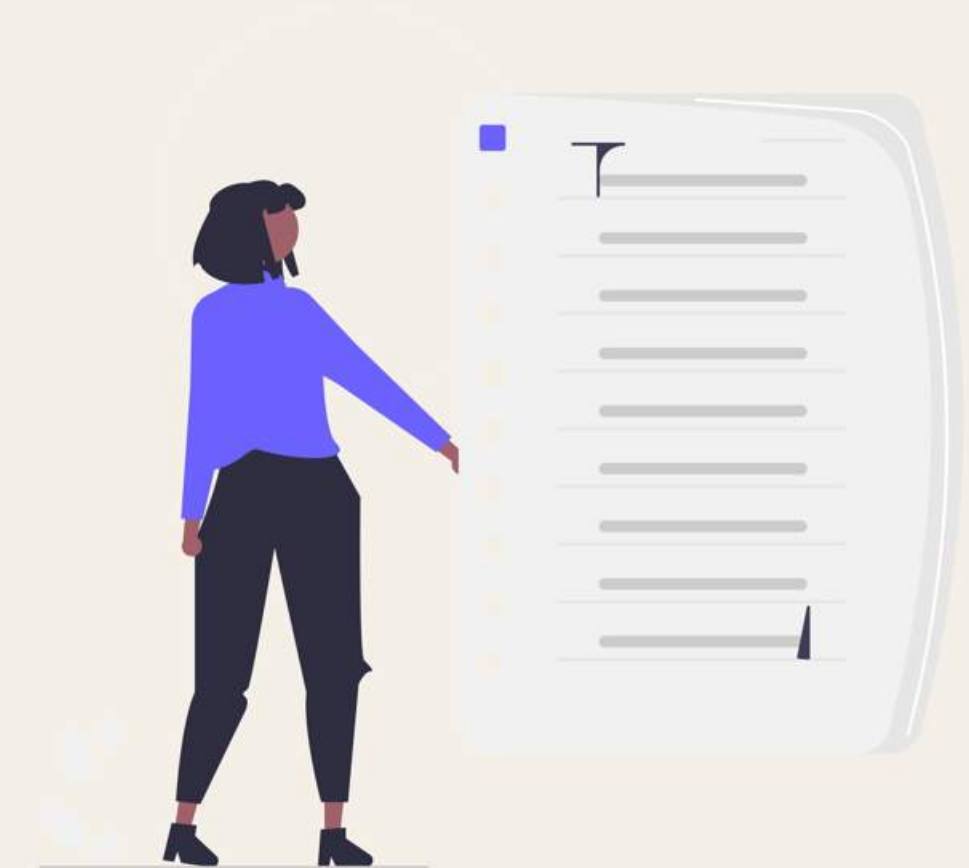
04 – FAIR Publishing

FINDABLE

Unique identifiers and metadata are used to allow data to be located quickly and efficiently

ACCESSIBLE

Data is open, free and universally available for research discovery efforts

INTER-OPERABLE

A common programming language is used to allow use in a broad range of applications

REUSABLE

All data is clearly described and outlines associated data-use standards

04 – Publishing Open Science


Key Pillars of Open Science

Open Scientific Knowledge: scientific publications, research data, software, source code and hardware available in the public domain or under the copyright that has been released under an open license

Open Science infrastructures: scientific equipment or sets of instruments, knowledge-based resources such as collections, repositories, archives and scientific data, open computational and digital infrastructures, needed to support Open Science and serve the needs of different communities

Open engagement of societal actors: citizen and participatory science and other extended collaboration between scientists and societal actors beyond the scientific community, opening up practices and tools that are part of the research cycle and by making the scientific process more inclusive and accessible to the broader inquiring society

Open dialogue with other knowledge systems: recognition of complementarities between diverse epistemologies, including indigenous knowledge systems
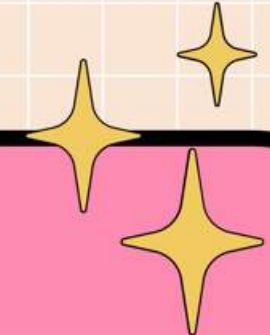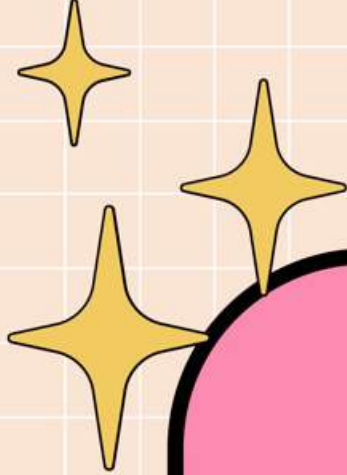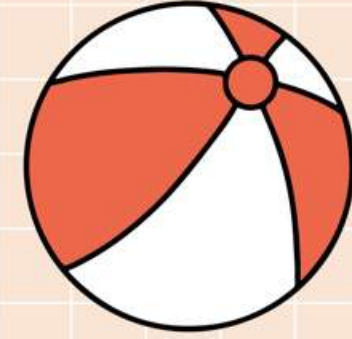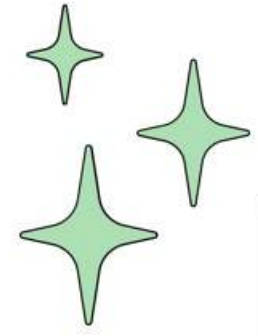
COMMUNITY

Peers, Colleagues, PhDs, Postdocs, Research Assistants, Lab Technicians, PIs, Supervisors, Research Heads, Masters Students, Undergrads.
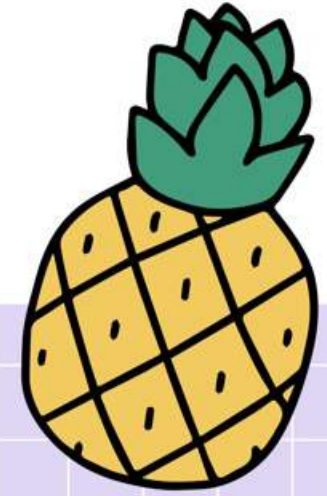
Policy Makers, Industry people, Public

WHO IS THE COMMUNITY?

PERSONAL PROFILE

ORCID ›

uniquely identify authors and contributors of scholarly communication

GOOGLE SCHOLAR ›

automatic aggregator of publications crawled from the web into a profile
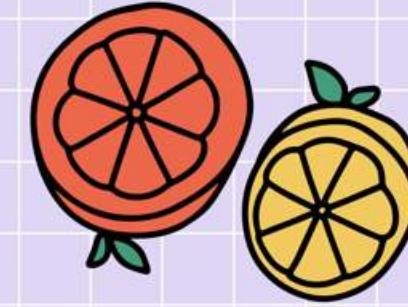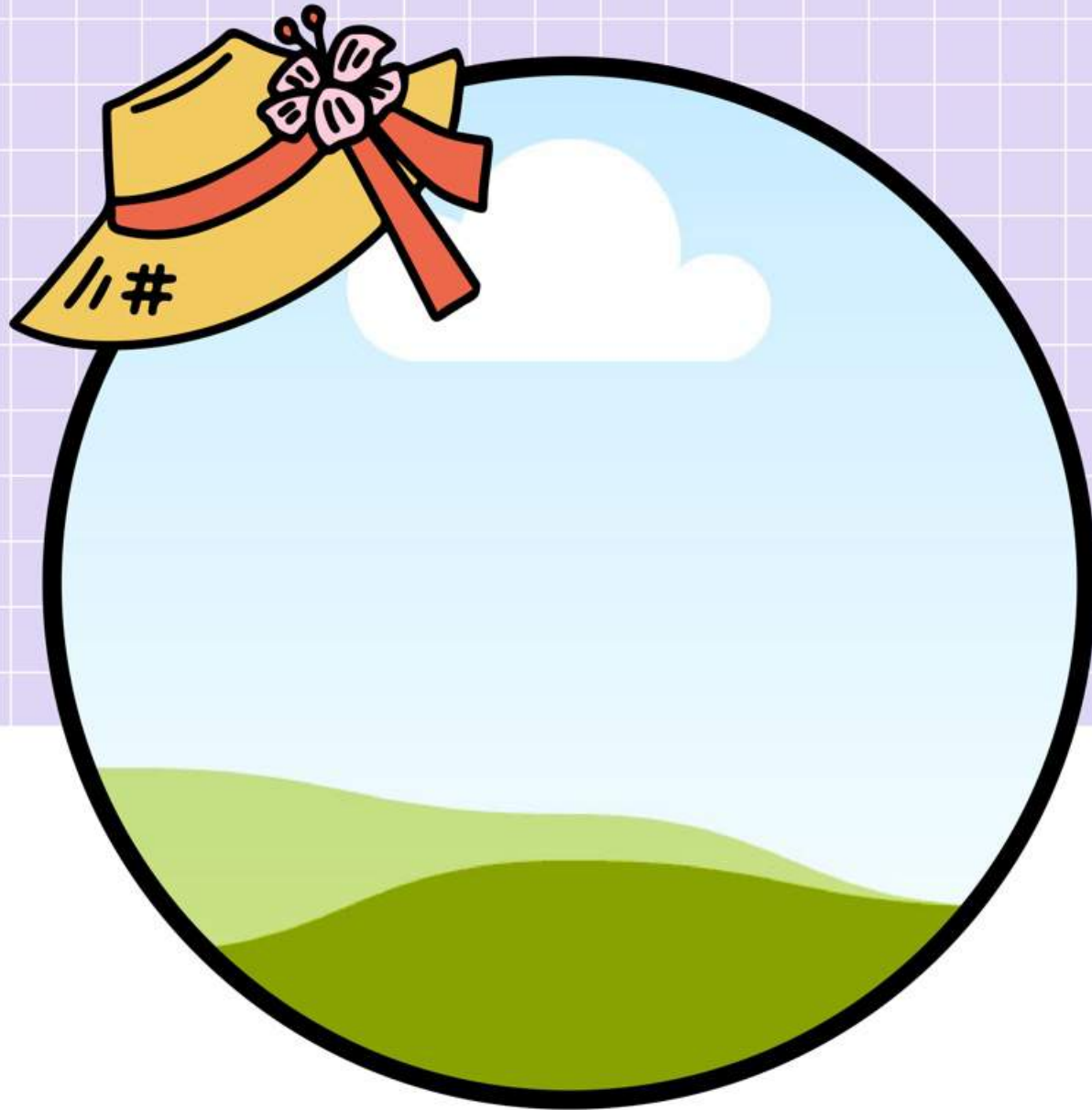
LINKEDIN ›

professional "social network" to connect, communicate, and disseminate

PERSONAL WEBSITE ›

this is my page, there are many like it, but this one is mine

EXAMPLE.COM

HELLO, IM JANE DOE

I'm researching on this stuff, and other stuff, and then some more other stuff. I am interested in the areas of blah and blah. Here are my projects, and my publications, my data, and stuff.

What information should be on this website?

The objective of this website is to:

1. Collect information related to our "regtech" work in a single location (i.e. this website)

2. Provide topical information collections e.g. work on GDPR, or work on AI Act

3. Share a comprehensive list of publications associated with "regtech"

4. Share outputs, methods, resources – anything that can be "reused" or "extended" to encourage adoption and collab

5. Share details about projects (funded as well as adhoc)

6. Share details about involvements in activities and groups e.g. DPVCG, NSAI, CEN, ISO

7. Share the people involved and show presence of a 'team'

8. Provide contact information

RESEARCH

OVERVIEW

I am an Assistant Professor at the School of Computing i
include application of semantics towards solving real-wor
protection, legal and regulatory compliance, and consent.
Dublin) explored the application of linked data and semar
with a particular focus on consent and provenance. I chai
Community Group (DPVCG) – which develops interopera
activities based on legal and practical requirements. I am
Ireland (NSAI) and work on standardisation for CEN/CEN

You can see more information about my:

- research interests
- publications
- draft publications for feedback and collaboration
- past and present research projects
- research activities, group memberships
- events and conference organisation
- participation in peer-review
- supervision and mentoring
- teaching, lectures, seminars

harshp.com/research

RESEARCH INTERESTS

Privacy
I'm interested in the exploration of issues regarding privacy, especially those related to use of technology
and data protection. My primary
existing work in identification ar
technologies and innovations.

Consent
Consent is a broad mechanism
based on choice. My primary in
protection issues, where it is us
research revolves around quan
identifying and mitigating issues

General Data Protection Regula
The GDPR and other recent da
collecting, using, sharing perso
research interest revolves arou
representation for evaluating co

Semantic Web and Data Model
The Semantic Web standards,
based on the web infrastructure
relationships. My interest lies in
information from other research

PUBLICATIONS

See full list of publications with links to copies and resources here. Lists also available at Google S
and dblp.

SELECTED PUBLICATIONS

To Be High-Risk, or Not To
Applications and Harmonis
Mon May 01 2023 Confere
Conference on Fairness, A
Delaram Golpayegani* , Ha

Making Sense of Solid for
Mon Feb 13 2023 Journal
MDPI Information
Harshvardhan J. Pandit*

Creating A Vocabulary for
Fri Oct 11 2019 Confere
International Conference or
Harshvardhan J. Pandit* ,
Javier Fernandez , Ramisa
Wenning

PEER-REVIEW

Reviewer for Journals

- Future Generation Computer Systems (FGCS)
- Journal of Data Protection & Privacy (JDPP)
- Journal of Information Security and Applications (JISA)
- Journal of Personal and Ubiquitous Computing (JPUC)
- Journal of Responsible Technology (JRT)
- Journal of Web Semantics (JWS)
- Semantic Web Journal (SWJ)
- IEEE Access (IEEE Access)

Reviewer for Conferences/Workshop

- AICS (Irish Conference on Artificial Intelligence and Cognitive Science) 2022 2018
- CIKM (29th ACM International Conference on Information and Knowledge Managem
- CKG (Workshop on Contextualized Knowledge Graphs) 2019
- DataValue (Workshop on Governing Value: The Practice of Exploiting Data Value) 20
- ESWC (Extended Semantic Web Conference) 2023 2022 2021 2020 2019 2018
- FAccT (Conference on Fairness, Accountability, and Transparency) 2023
- ISWC (International Semantic Web Conference) 2023 2022 2021 2020 2019 2018
- IWPE (International Workshop on Privacy Engineering) 2022
- JURIX (International Conference on Legal Knowledge and Information Systems) 20
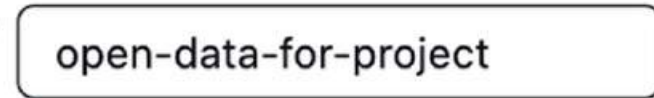
05 - Community

My workflow

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.
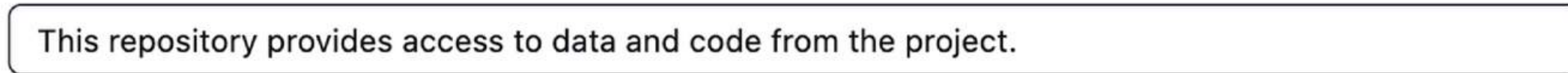
Required fields are marked with an asterisk (*).

Owner *

👤 coolharsh55 ▾ / Repository name *

open-data-for-project

✓ open-data-for-project is available.

Great repository names are short and memorable. Need inspiration? How about **supreme-palm-tree** ?

Description (optional)

This repository provides access to data and code from the project.

⦿ 🔖 **Public**
Anyone on the internet can see this repository. You choose who can commit.

◯ 🔒 **Private**
You choose who can see and commit to this repository.

Initialize this repository with:

☑ Add a README file
This is where you can write a long description

Add .gitignore

.gitignore template: None ▾

Choose which files not to track from a list of temp

Choose a license

License: Apache License 2.0 ▾

A license tells others what they can and can't do v

personal repo - Github
ADAPT repo - Gitlab

Open Science/Data = Permissive License

Choose an open source license

An open source license protects contributors and users. Businesses and savvy developers won't touch a project without this protection.

{ **Which of the following best describes your situation?** }

I need to work in a community.

Use the license preferred by the community you're contributing to or depending on. Your project will fit right in.

If you have a dependency that doesn't have a license, ask its maintainers to add a license.

I want it simple and permissive.

The MIT License is short and to the point. It lets people do almost anything they want with your project, like making and distributing closed source versions.

Babel, .NET, and Rails use the MIT License.

I care about sharing improvements.

The GNU GPLv3 also lets people do almost anything they want with your project, except distributing closed source versions.

Ansible, Bash, and GIMP use the GNU GPLv3.

My workflow

- 1. TODO Submitting the Paper: [0/8]
- 2. TODO Reviews received: [0/5]
- 3. TODO Camera-ready: [0/2]
  - 3.1. TODO Submit Camera-Ready version [0/4]
  - 3.2. TODO Upload pre-print
    - 3.2.1. TODO Upload pre-print to Zenodo
    - 3.2.2. TODO Upload pre-print to TCD TARA
- 4. TODO Presentation: [0/2]
- 5. TODO Published: [0/1]

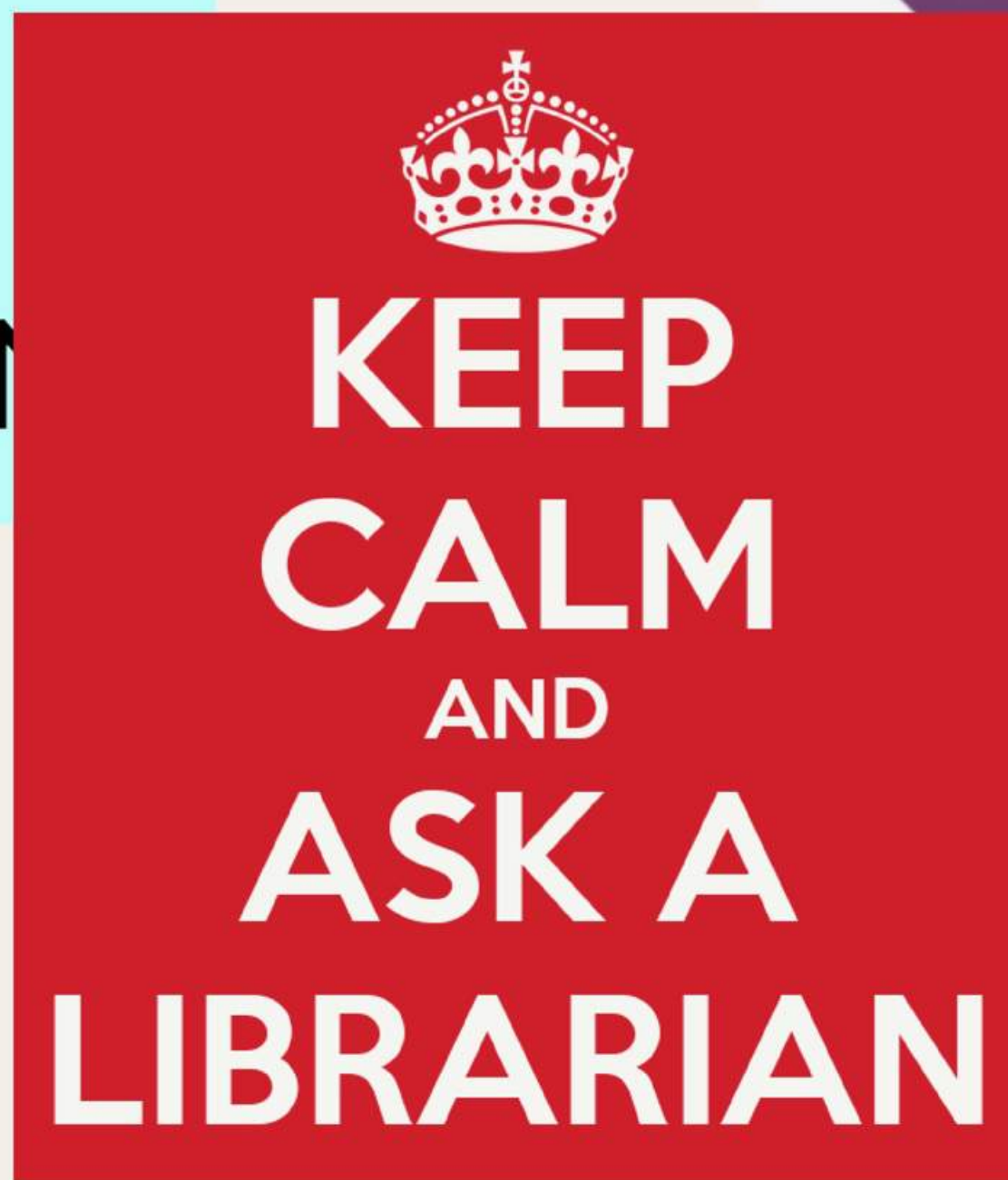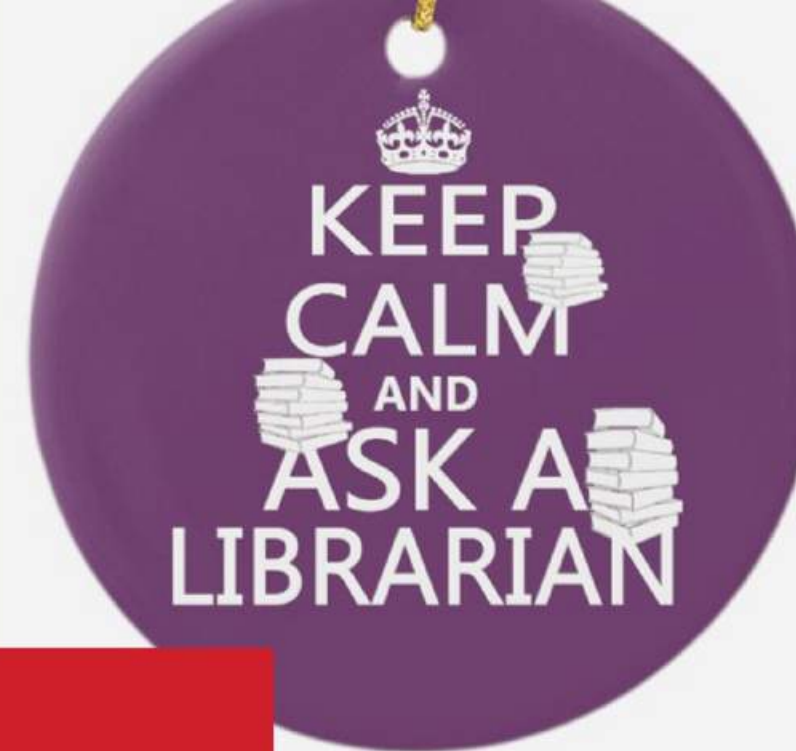## 1. TODO Submitting the Paper: [0/8]

- [ ] Check format and page requirements
- [ ] Check single/double blind requirements
- [ ] Acknowledgements for funding
- [ ] Email addresses
- [ ] OA link in abstract
- [ ] Link to resources
- [ ] Submit paper
- [ ] Save copy as submitted version

5. TODO Published: [0/1]

- [ ] Update trackers
  - [ ] Theme-E
  - [ ] harshp.com website
  - [ ] TCD/RSS

Harshvardhan Pandit | Open Science & Data Mgmt. | 22-NOV-2023 | https://harshp.com/research/presentations

Thank You

Harshvardhan Pandit

harshvardhan.pandit@adaptcentre.ie

https://harshp.com/research/presentations