



جامعة الملك عبدالله  
للعلوم والتقنية  
King Abdullah University of  
Science and Technology

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Coalition for Networked Information

# Pivotal Role of the Institutional Repository Service in University Reporting Workflows

Mohamed Baessa , Daryl Grenz and Vijayakumar, J.K.



# Agenda



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About KAUST

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Repository and Open Access Policy

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Repository Developed Tools

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Repository Integrations

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Repository impact



Sign in

THUWAL

Wildlife Sanctuary  
محمية الحففة

Hafar Al Batin  
حفر الباطن

Bandar Abbas  
بندر عباس

Bahrain

Qatar

Dubai

United Arab Emirates

Muscat  
مسقط

Medina  
المدينة المنورة

Riyadh  
الرياض

Jeddah  
جدة

Mecca  
مكة

Oman

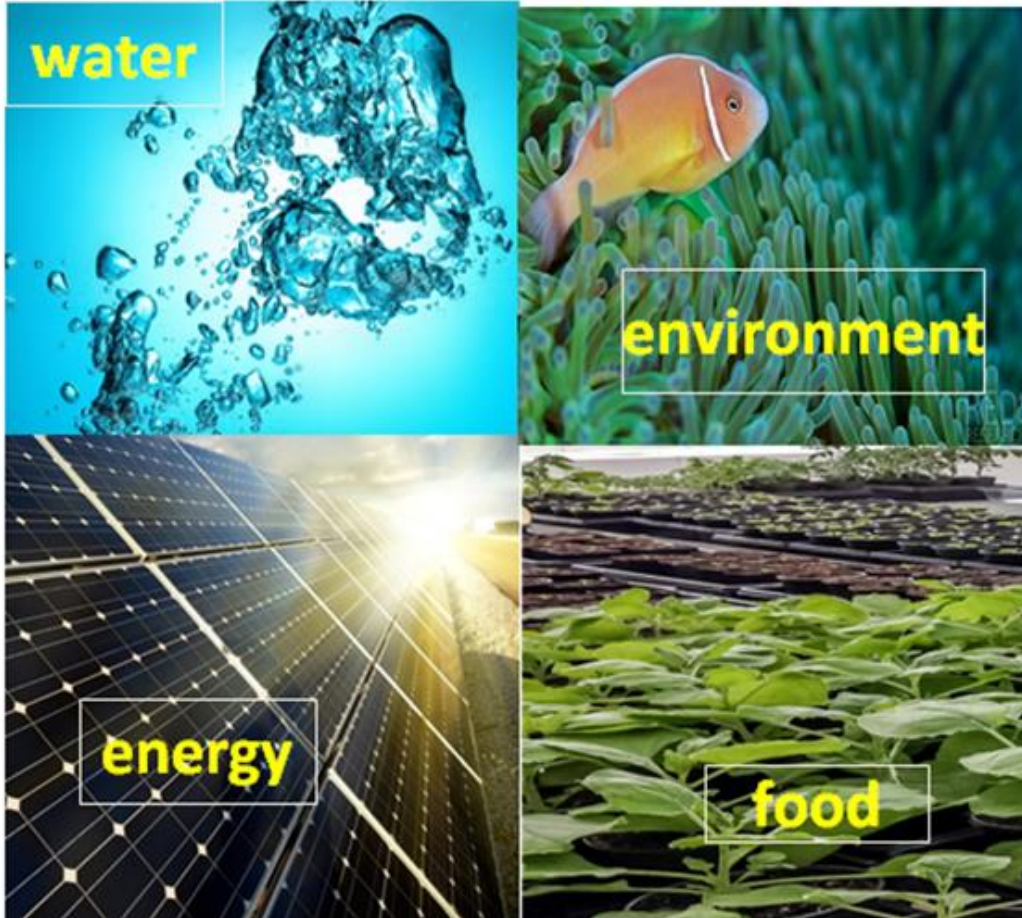
Oroug Bani M'aradh Wildlife Sanctuary  
محمية عروق بني معارض

Port Sudan  
بورتنبيودان

Eritrea

Yemen

Sana'a  
سنة



Integrate Interdisciplinary  
Research and Graduate  
Education

Connect Science and  
Engineering

Special Focus on  
Four Areas of Global  
Significance

# Academic Divisions



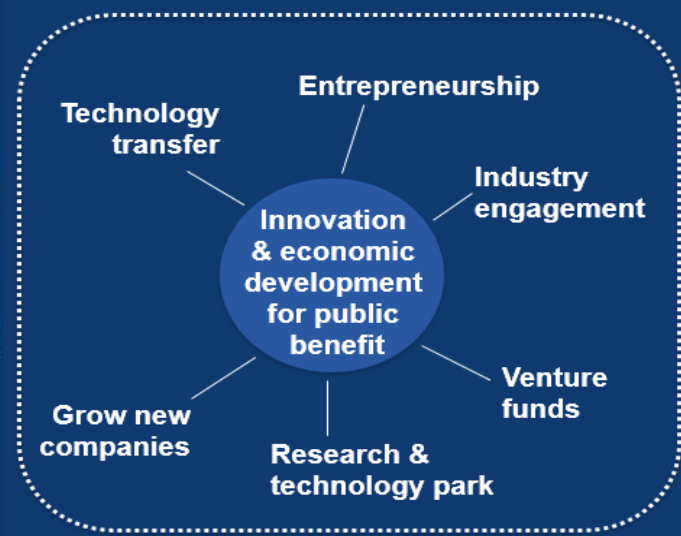
Biological and Environmental Science and Engineering (BESE)



Computer, Electrical and Mathematical Science and Engineering (CEMSE)



Physical Science and Engineering (PSE)



## Sustained Resources

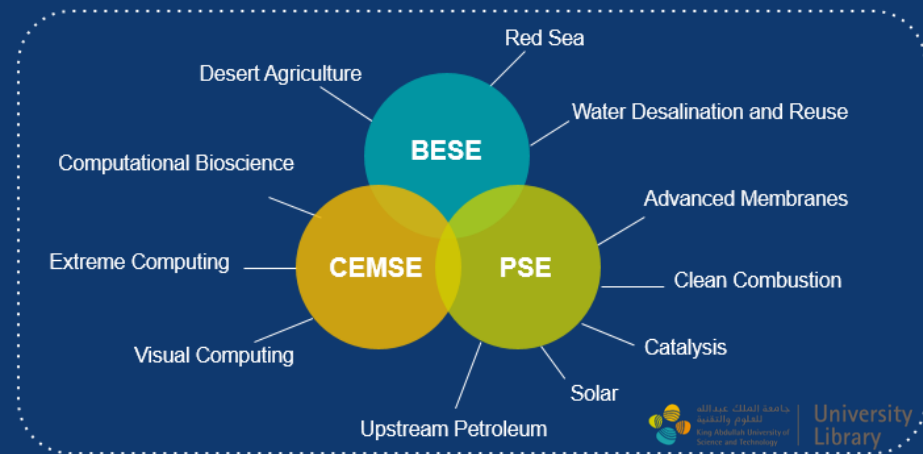


## CORE LABS

- Analytical Chemistry
- Biosciences
- Coastal & Marine Resources
- Greenhouse
- Imaging & Characterization
- Nanofabrication
- Supercomputing
- Visualization
- Central Workshops



## Research Centers





# Repository and Related Policy



## KAUST Dissertation and Thesis Archiving Policy

As a condition of graduation, KAUST requires master's students who complete a thesis and doctoral students who complete a dissertation to have an electronic copy of it deposited in the KAUST research repository.

KAUST makes no claim of ownership of student dissertations or theses; however, the university retains a non-exclusive license to make copies of dissertations or theses as needed for the academic or archival purposes of the institution. This includes providing open access to the work on the Internet.

If necessary to protect legitimate proprietary interests (such as patent rights), students may opt to delay temporarily public access to the full text of their dissertation or thesis.

At KAUST's discretion an institutional embargo on the public release of a thesis/dissertation through the KAUST research repository can also be placed by the Vice President for Research, the Vice President for Academic Affairs or the student supervisor for a period to be indicated through email instruction to the Library Director.

# KAUST Open Access Policy – since 2014



## 1. Purpose

This policy is intended to give the University a means through which to make published, scholarly publications authored by the University's researchers available publicly, to the extent appropriate. The purpose of the public archive is to disseminate widely the results of research conducted by the faculty and other University researchers.

## 2. Scope

This policy applies to all University faculty, research scientists, post-doctoral fellows, students and employees who author or co-author published, scholarly publications while working at or enrolled in the University.

## 3. Policy

University faculty members, research scientists, post-doctoral fellows, students and employees ("University Research Authors") grant to the University non-exclusive permission to make available their scholarly research publications and to exercise the copyright in those publications for the purpose of open dissemination.

More specifically, each University Research Author grants to the University a non-exclusive, irrevocable, worldwide license to exercise any and all rights under copyright relating to each of his or her scholarly research publications, in any medium, provided that the publications are not sold for a profit, and to authorize others to do the same.

The Office of the Vice President for Academic Affairs or its designate may waive application of the license for a particular publication or delay access for a specified period of time upon express direction by the author.

Each faculty member or researcher will provide an electronic copy of the author's accepted version of each publication no later than the date of its publication at no charge in accordance with the guidelines published from time to time by the Office of the Vice President for Academic Affairs.

## 4. Authority

The Office of the Vice President for Academic Affairs charges the KAUST Library to develop and monitor a plan to comply with this policy and existing copyright obligations in a manner as convenient for the faculty as possible.

The Office of the Vice President for Academic Affairs or its delegate will be responsible for interpreting this policy, resolving disputes concerning its interpretation and application, and recommending changes to the Academic Council from time to time.

The KAUST Library will review this policy after three years.

Effective Date: June 30, 2014

Researchers will:  
*"provide an electronic copy of the author's accepted version of each publication no later than the date of its publication."*

Library will:  
*"develop and monitor a plan to comply with this policy and existing copyright obligations in a manner as convenient for the faculty as possible."*

<http://libguides.kaust.edu.sa/openaccesspolicy>





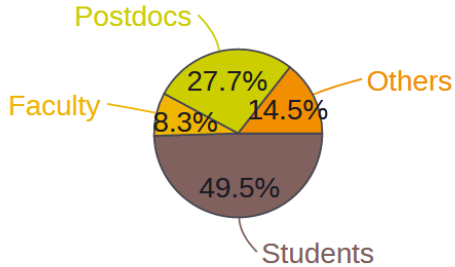
# Repository Developed Tools

# Institutional ORCID Integration (IOI)

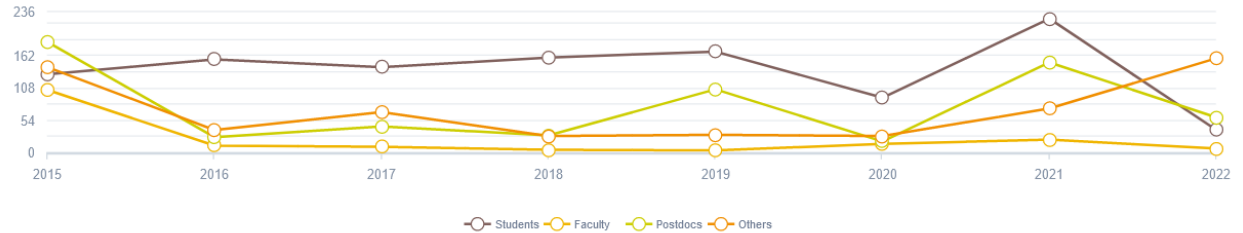


## ORCID USERS

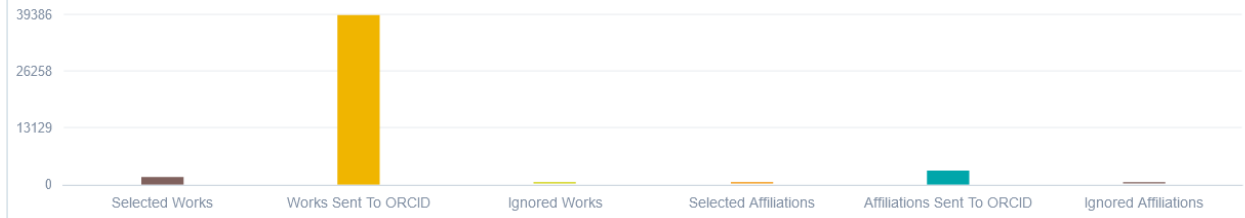
2261 ORCIDs for KAUST Authors



## ORCID IDs ADDED PER YEAR



## Works & Affiliations



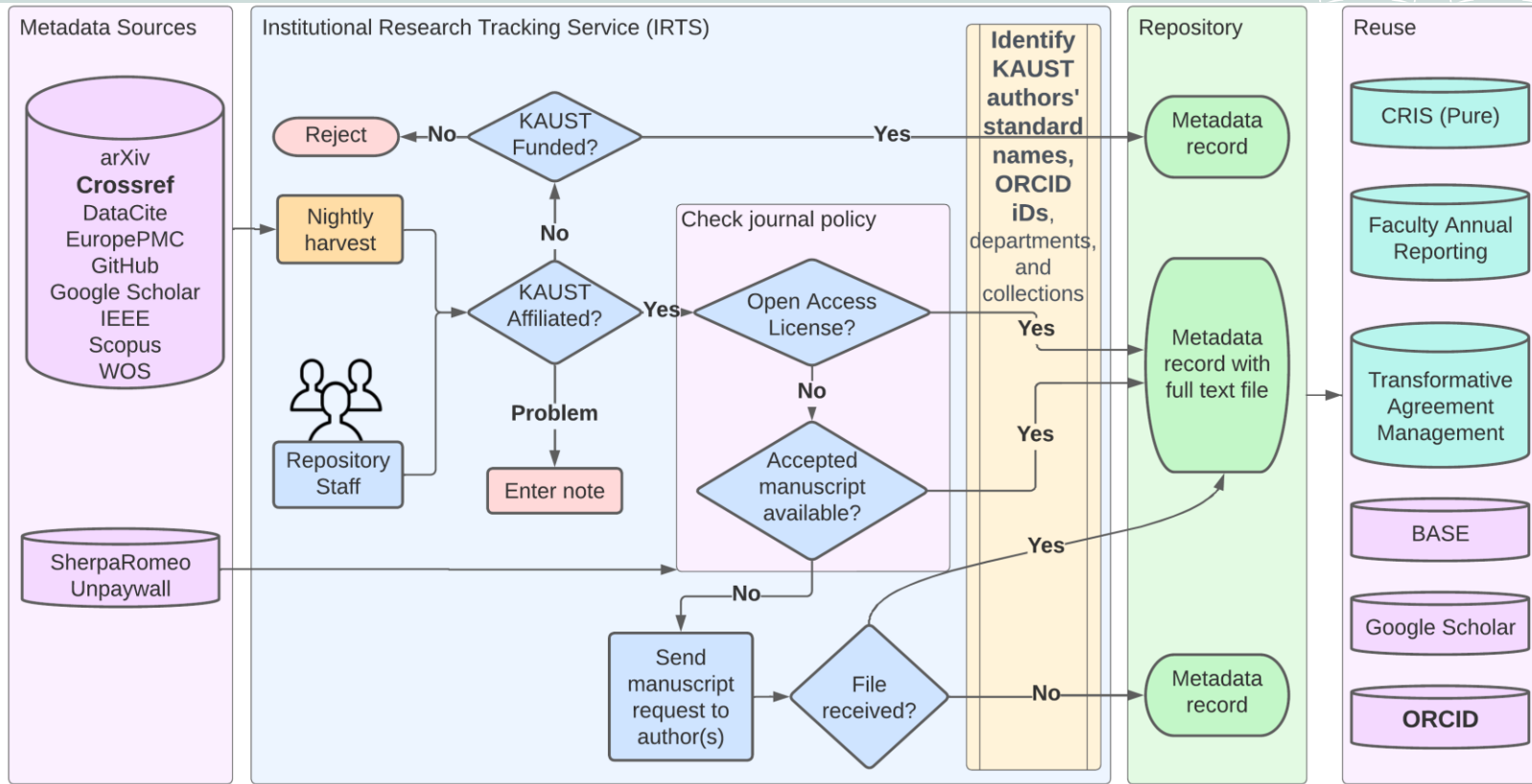
- Released as open source software at <https://github.com/kaust-library/ioi>
- For DSpace 5 and 6, plan to update for DSpace 7



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# Institutional Research Tracking System (IRTS)

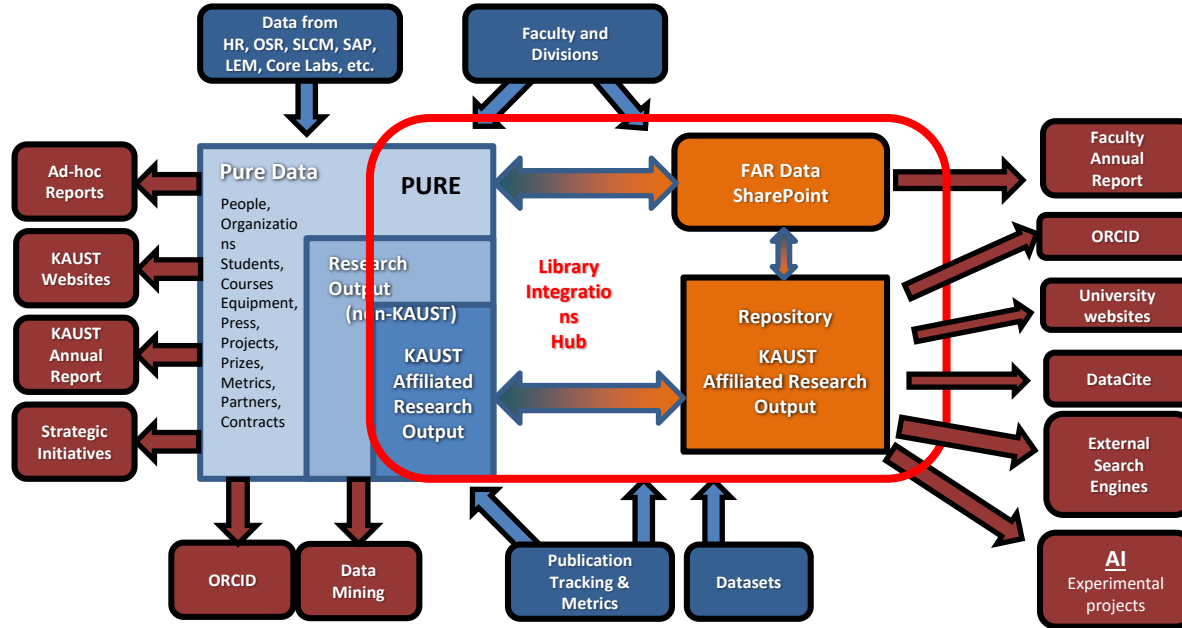


➤ Released as open source software at <https://github.com/kaust-library/irts>



# Repository Integrations

# KAUST Research Information Systems



# Items Records in Repository

## KAUST Grant Number

BAS/1/1080-01

CRG

OSR

URF/1/3412-01



See more details

- Picked up by 6 news outlets
- Tweeted by 74
- On 2 Facebook pages
- Highlighted by 1 platforms
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## A prevalent neglect of environmental control in mammalian cell culture calls for best practices

**Name:** nBME article\_klein and Alsolami et al., preprint.pdf  
**Size:** 803,7KB  
**Format:** PDF  
**Description:** Accepted manuscript

**Type:** Article

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Marine Science Program  
Red Sea Research Center (RSRC)  
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**Permanent link to this record:** <http://hdl.handle.net/10754/67661>



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**Abstract:** Human cell lines, first cultured in the 1950s, are indispensable in biomedical research. Today, a wide range of cell types are available, and sophisticated advanced 'omics' and visualization techniques allow for the routine assessment of cell identity and cellular responses. However, the culture methods have remained relatively unchanged. Major advances in culture systems were made over three decades ago, yet the old standard approach of batch cell culture – the culture of cells either in suspension or as adherent monolayers of cells in standard media<sub>6,7</sub> – remains the predominant method in biomedical research.

### Citation

Klein, S. G., Alsolami, S. M., Steckbauer, A., Arossa, S., Parry, A. J., Ramos Mandujano, G., ... Duarte, C. M. (2021). A prevalent neglect of environmental control in mammalian cell culture calls for best practices. *Nature Biomedical Engineering*. doi:10.1038/s41501-021-00775-0

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### Additional Links

<https://www.nature.com/articles/s41501-021-00775-0>

### Collections

Articles, Biological and Environmental Science and Engineering (BESE) Division, Red Sea Research Center (RSRC), Bioscience Program, Marine Science Program

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Bioscience Program

Chemical and Biological Engineering Program

Computational Bioscience Research Center (CBRC)

Computer, Electrical and Mathematical Sciences and Engineering (CEMSE) Division

KAUST Environmental Epigenetics Research Program (KEEP)

Proteomics and Protein Expression



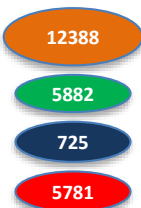
# Repository impacts



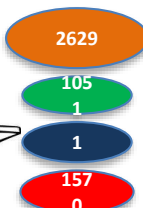
# Current KAUST Repository Content

As of Nov. 2022

## Journal Articles



## Conference Papers



## KAUST Funded



## Theses/Dissertations



## Datasets



## Presentations/Posters



## Patents



## Book Chapters



## Technical Reports



Legend

Total number of records

Open Access Records

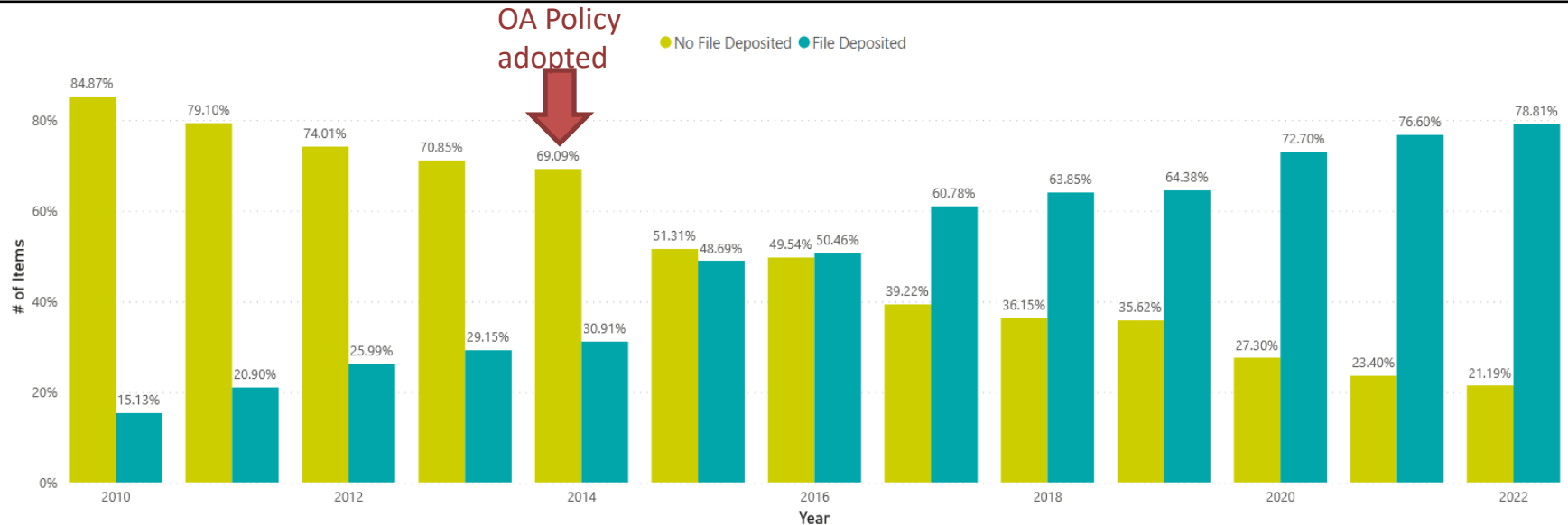
Embargoed Records

Metadata Records Only

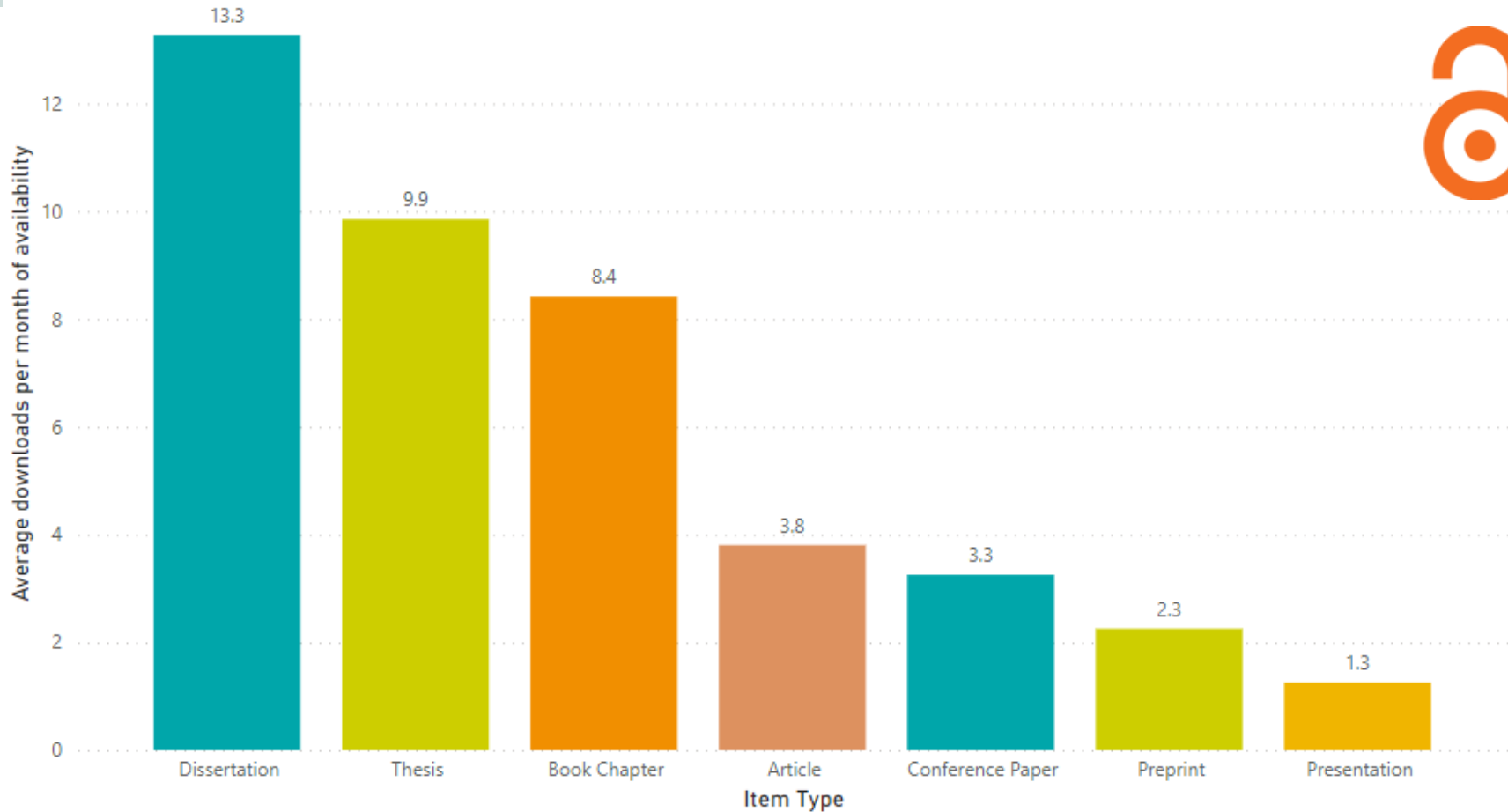
# Open Access Policy Compliance



## Deposited Rate per Year



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# Service statistics



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