

# CORE : free services for libraries

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# OA Aggregations and BOAI 2002

By "open access" to this literature, we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, **crawl them for indexing, pass them as data to software**, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself ...

*Budapest Open Access Initiative, 2002*

# OA Aggregations and BOAI 2002

“To achieve open access to scholarly journal literature, we recommend two complementary strategies.

- Self-Archiving: First, scholars need the tools and assistance to deposit their refereed journal articles in open electronic archives, a practice commonly called, self-archiving. When these archives conform to standards created by the Open Archives Initiative, then **search engines and other tools can treat the separate archives as one**. Users then need not know which archives exist or where they are located in order to find and make use of their contents.
- ...”

*Budapest Open Access Initiative, 2002*

# Global network of repositories

“A single scientific repository is of limited value, real benefits come from the **ability to exchange data** within a network ...  
... interoperability allows us to exploit today's computational power so that we can **aggregate, data mine, create new tools and services, and generate new knowledge from repository content.**”

*Confederation of Open Access Repositories (COAR)*

# CORE's mission

Aggregate all open access research articles worldwide ...

... enrich this content and provide **seamless access** to it through a set of **data services** ...

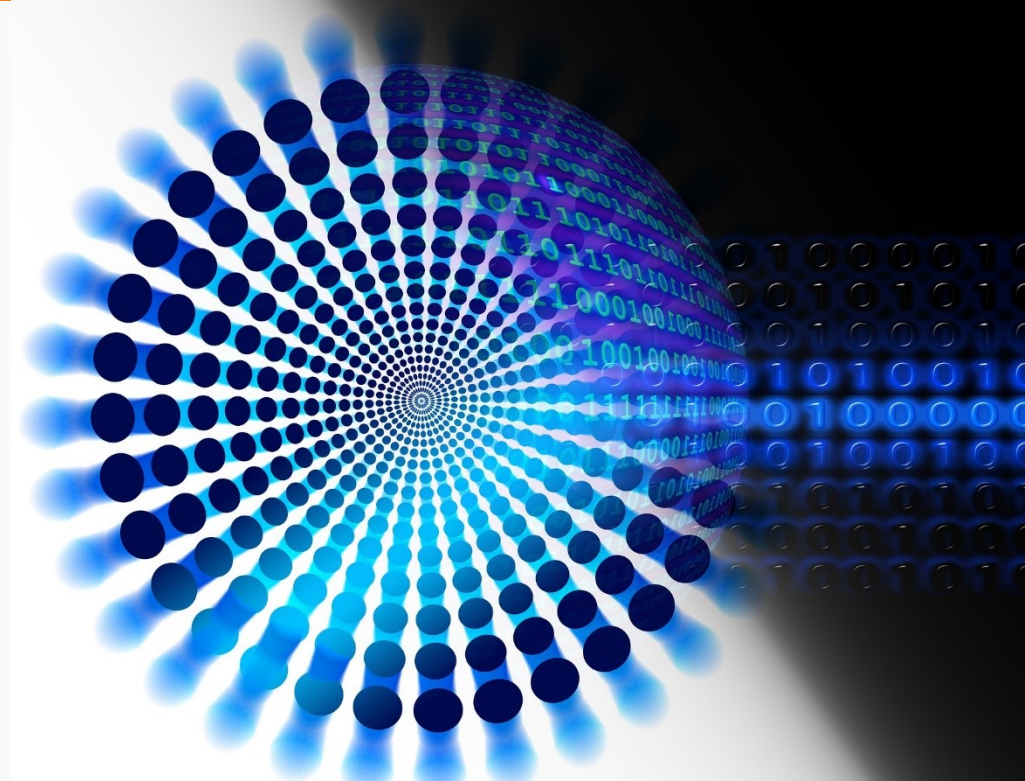


<https://core.ac.uk/about/#mission>

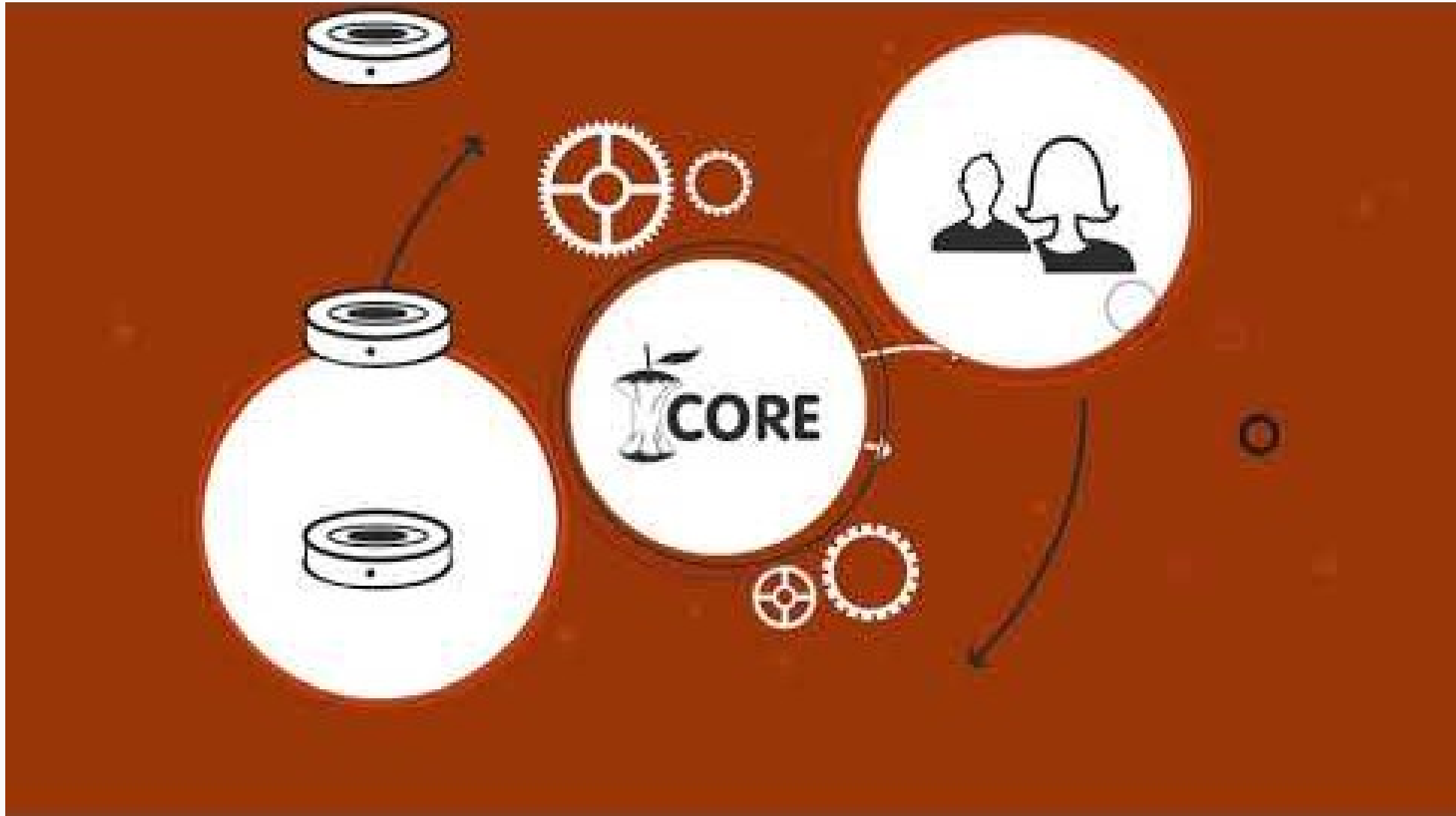
# Types of content providers

CORE harvests from everywhere:

- Repositories
  - Institutional
    - Includes repository and CRIS platforms
  - Disciplinary
- Journals
  - Pure Open Access
  - Gold Open Access
  - Hybrid Gold Open Access



# Introducing CORE



# CORE videos

- Introducing CORE

<https://core.ac.uk/about/#mission>

- Access to raw data

<https://core.ac.uk/services/#access-to-raw-data>

- CORE content and discovery

<https://core.ac.uk/services/#content-discovery>



# World's largest dataset of Open Access full texts

Access to free to read full texts

**24,936,921**

Hosted full texts

**19,027,223**

Metadata records

**177,444,117**

Data providers

**9,868**



List of content providers <https://core.ac.uk/data/providers/>

# Papers OA sooner and sooner



JCDL 2019 Best Paper Award

<https://physicstoday.scitation.org/doi/10.1063/PT.6.2.20190418a/full/>

DOI:10.1063/PT.6.2.20190418a

18 Apr 2019 in Politics & Policy

## Study quantifies the growing traction of open access

Spurred by the policies of funding agencies, academics are getting much better at posting their peer-reviewed research in freely available online repositories.

Dalmeeth Singh Chawla

1 COMMENTS

203 SHARES

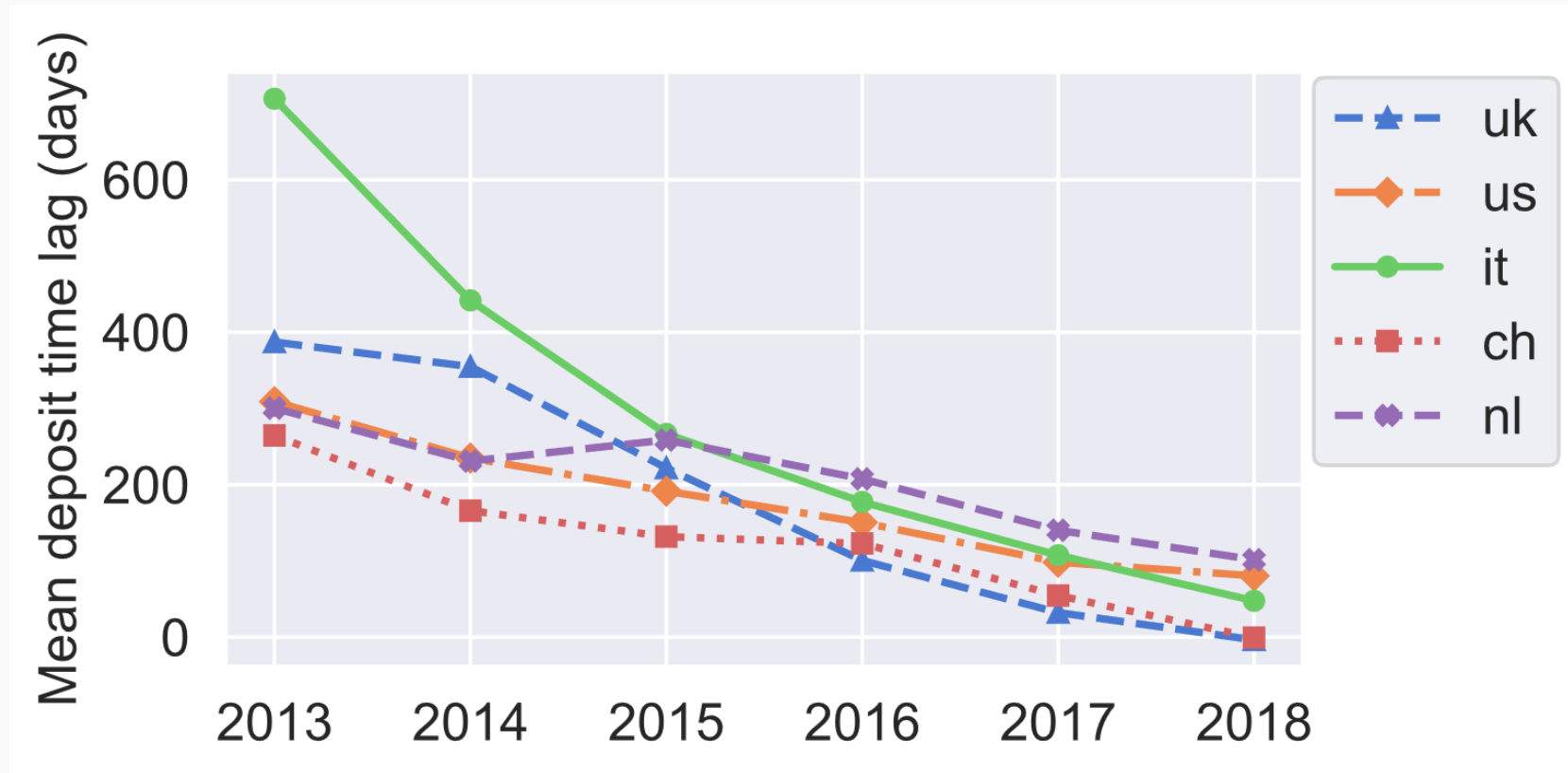


Credit: h\_pampel, CC BY-SA 2.0

Five years ago, the UK funding body Research England, then known as the Higher Education Funding Council for England, announced an ambitious policy designed to speed up the transition to open-access publishing. To become eligible for a slice of billions of pounds of government money distributed to UK universities, academics would have to post their research on free-to-access websites such as preprint servers and institutional repositories

# Papers OA sooner and sooner

The delay between publication and OA availability decreasing globally



Faster open access makes repository infrastructure  
more important

We don't need just open access  
we need **fast open access**

This study was only possible to conduct because of repositories and aggregators working together

Need for more interoperability across systems

# Discovery landscape

- Search services
  - Title, author, keywords, etc.
  - And integrations into them
- Recommender services
  - Similar resources
- OA Discovery/Delivery services
  - Overcoming publishers' paywalls by discovering open access versions of papers





# OpenDOAR

Description	University repository providing access to the publication output of this institution. Whilst the site appears well populated, it is estimated by the site administrator that only 17% of those papers listed are available as fully Open Accessible texts. The rest of the site comprises bibliographic listings, with links to external online versions where available. Access to these materials will be limited by personal or institutional subscriptions. Registered users can set up email alerts or an Atom or RSS feed to notify them of newly added relevant content. The site interface was recently (June 2008) upgraded.
Repository URL	<a href="http://oro.open.ac.uk/">http://oro.open.ac.uk/</a>
OAI-PMH URL	<a href="http://oro.open.ac.uk/cgi/oai2">http://oro.open.ac.uk/cgi/oai2</a> 
Year Established	2007
Software Name	EPrints [version 3.3.15]

Description	DSpace at PPU is a digital repository of original research produced at Palestine Polytechnic University. The repository contains scientific papers, staff publications, student projects, master theses and electronic materials (Free Open Access for All).
Repository URL	<a href="http://scholar.ppu.edu/">http://scholar.ppu.edu/</a> ???
Software Name	DSpace [version 5.5]
Languages	English

# Call to action: OpenDOAR record

Ensure that oai base url is saved in OpenDOAR

# CORE Search

- Full text search for OA content
- Faceted searching
- What you find is what you get
- Real change of data providers wanting to be included

The screenshot displays the CORE Search interface. At the top, there is a search bar with the term 'allele' and a 'Search' button. Below the search bar, the text 'Showing results for allele (368,795 articles found)' is visible, along with a 'Sort by: Relevance' dropdown menu. The main content area lists several search results, each with a thumbnail of the article cover, the title, authors, repository, and a 'Get PDF' button. The results include:

- The almond Sf allele: an allele in question** by Rafel Socías I Company, Ossama Kodad, Angel V. Fernández I Martí and José Manuel Alonso Segura. Repository: citaREA Repositorio Electrónico Agroalimentario | 2011.
- 7 GT repetition on 5T allele** by M. Maschio, Z. Cannioto, M. Morgutti and F. Poli. Repository: Elsevier - Publisher Connector | 2007.
- Allele-Specific p53 Mutant Reactivation** by Xin Yu, Alexei Vazquez, Arnold J. Levine and Darren R. Carpizo. Repository: Elsevier - Publisher Connector | 2012.
- Allele coding in genomic evaluation** by Iaino Strandén and Ole F Christensen. Repository: Jukuri | 2011.
- Allele Frequencies in Multigene Families** by S. Padmadisastra. Repository: Neliti | 2010.

On the left side, there is a 'Refine your search' section with various filters:

- Publication type:** with fulltext only (checked).
- Year:** 1999 - 2018.
- Languages:** English (49,370), German (852), Italian (208), French (203), Portuguese (196), Spanish (72), Hungarian (42), Indonesian (32), Croatian (31), Dutch (14).
- Journals:** Jurnal Pengolahan Hasil (1,856).
- Repositories:** PubMed Central (37,730), Elsevier - Publisher (33,369), MUCC (Crossref) (31,314), Springer - Publisher (26,410), Frontiers - Publisher (4,480), Edinburgh Research Explorer (3,085), Harvard University - DASH (2,034), Radboud Repository (2,029), ZORA (1,891), Erasmus University Digital (1,760).

A 'Permalink' is provided: <https://core.ac.uk/search?>

## Useful links

[Blog](#)

[Contact us](#)

[Services](#)

[Cookies](#)

[About CORE](#)

[Privacy notice](#)

## Writing about CORE?

Discover our [research outputs](#) and cite our work.



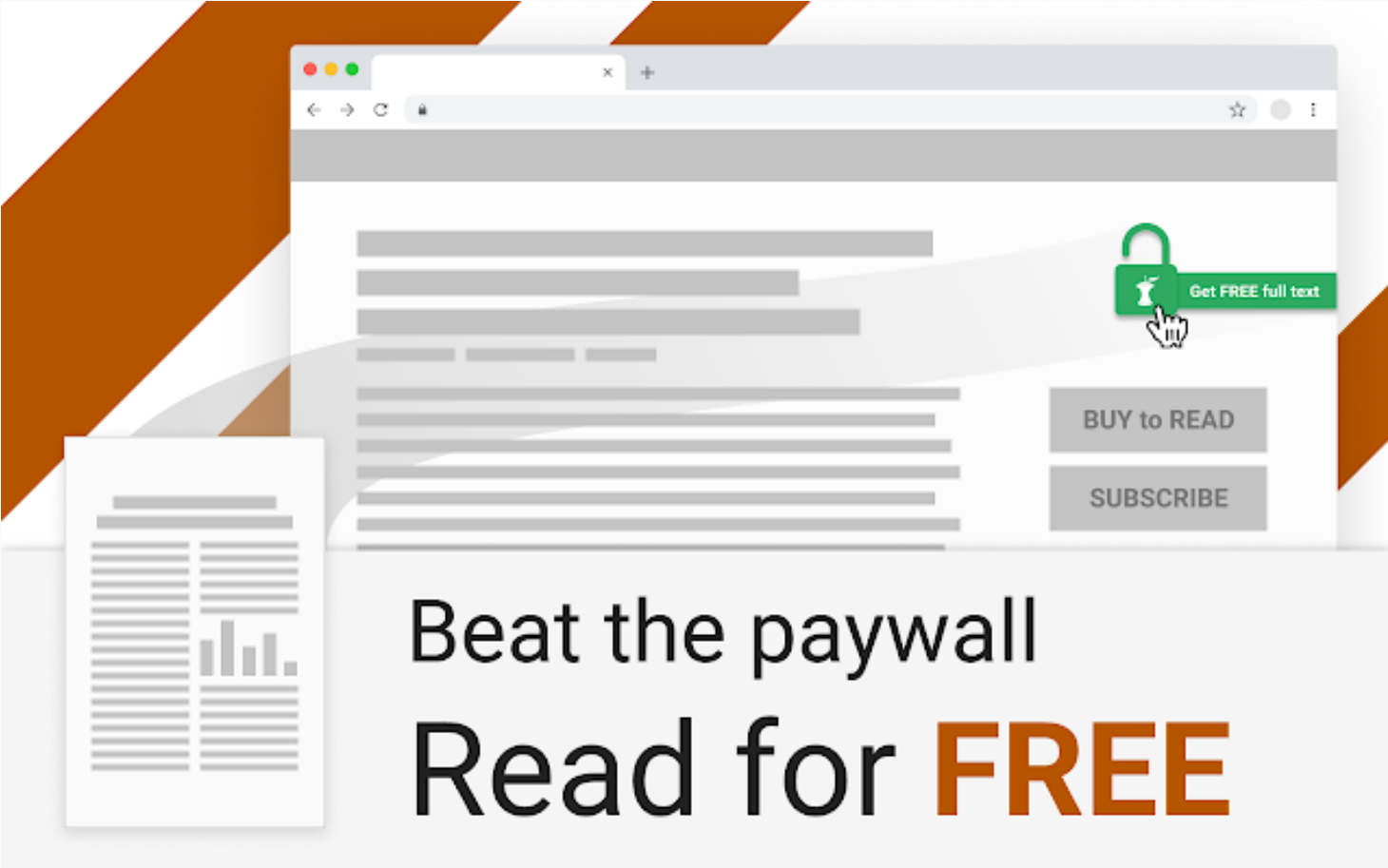
CORE is a not-for-profit service delivered by the [Open University](#) and [Jisc](#).

# Call to action: CORE Search

Add CORE Search in the library pages and guides

# Introducing CORE Discovery

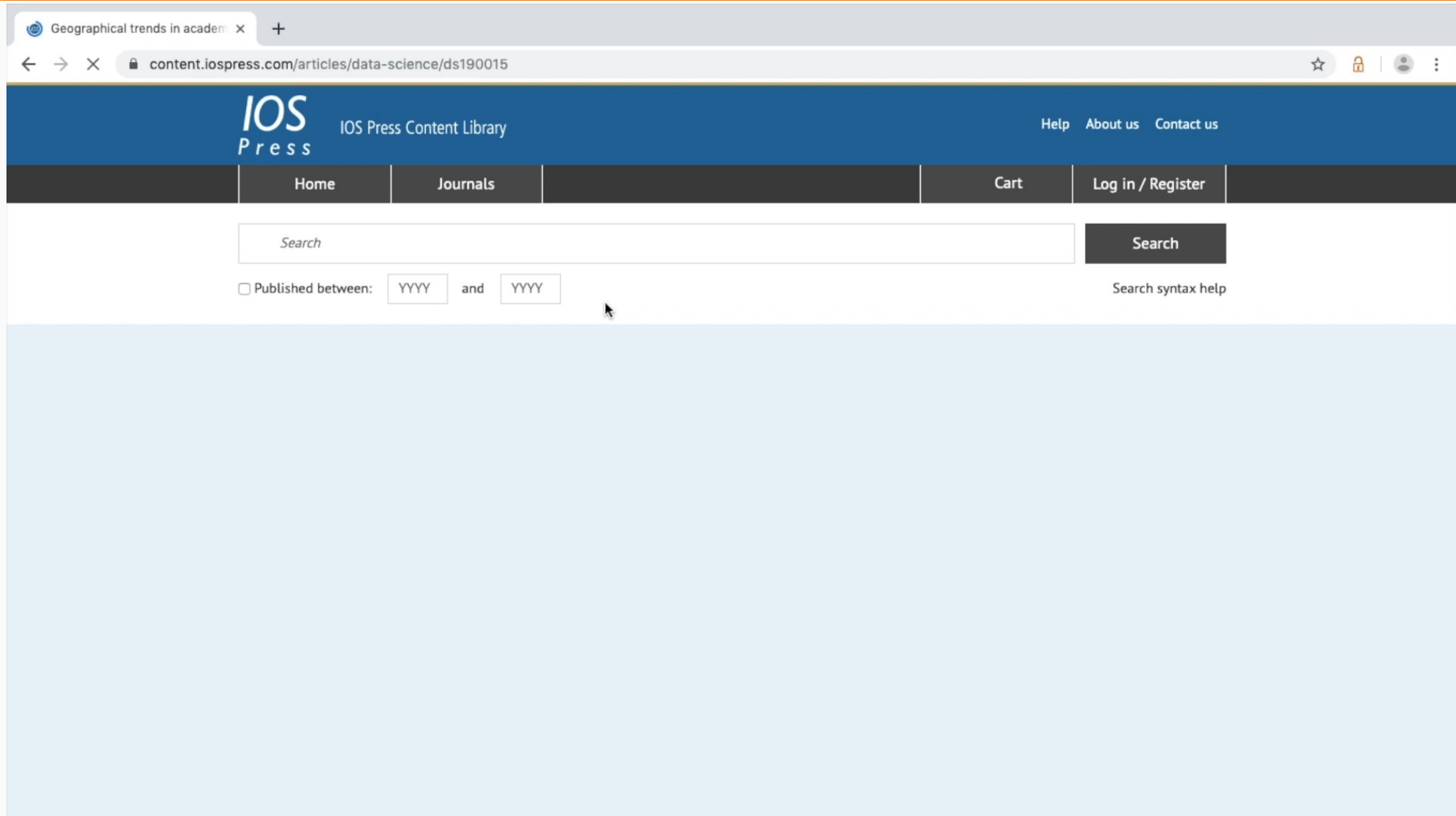
- High coverage of freely available content
- Free service for researchers by researchers. No company controlling the pipes.
- Best grip on open repository content.
- Repository integration
- Discovering documents without a DOI.



Beat the paywall  
Read for **FREE**

BUY to READ  
SUBSCRIBE

# CORE Discovery demonstration



The screenshot displays a web browser window with the following elements:

- Browser Tab:** "Geographical trends in academi x"
- Address Bar:** "content.iospress.com/articles/data-science/ds190015"
- Header:** "IOS Press" logo and "IOS Press Content Library" text. Navigation links: "Help", "About us", "Contact us".
- Menu Bar:** "Home", "Journals", "Cart", "Log in / Register".
- Search Area:** A search input field with the placeholder text "Search". A "Search" button is located to the right of the input field.
- Filter Area:** A checkbox labeled "Published between:" followed by two input fields containing "YYYY" and "YYYY", separated by the word "and". A "Search syntax help" link is located to the right of the filter area.

# Call to action: CORE Discovery

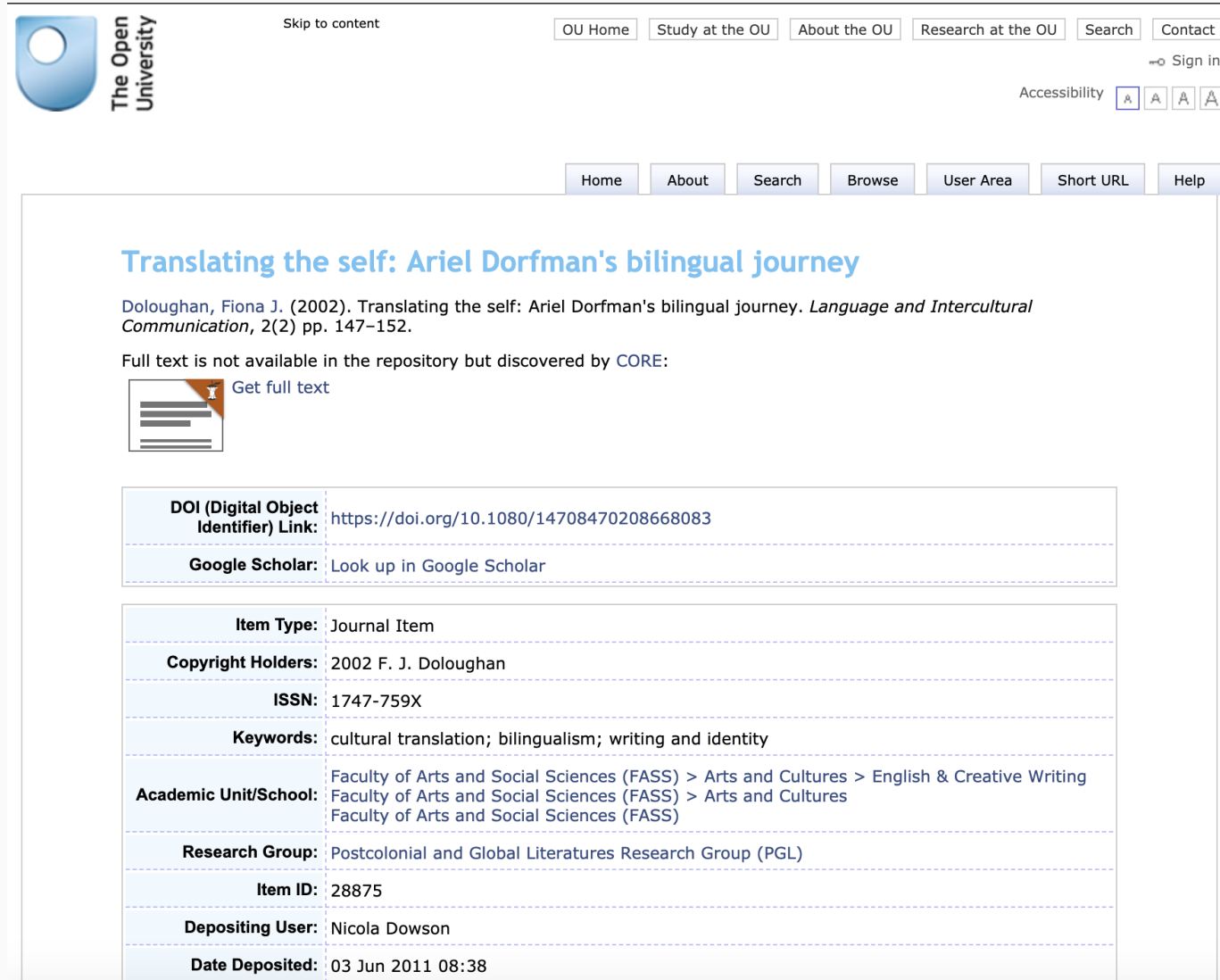
Spread message about CORE Discovery to library users

Install CORE Discovery to library computers

# CORE Discovery Repository integration

- Majority of articles in repositories metadata only.
- CORE Discovery repository plugin:
  - turns dead ends of user journeys into journeys fulfilling users' information needs
  - makes repository content more discoverable.

<https://core.ac.uk/services/discovery/>



The screenshot shows a web page from The Open University. At the top left is the university logo. To the right are navigation links: "Skip to content", "OU Home", "Study at the OU", "About the OU", "Research at the OU", "Search", and "Contact". Further right are "Sign in" and "Accessibility" options. Below these are more navigation links: "Home", "About", "Search", "Browse", "User Area", "Short URL", and "Help".

The main content area features the article title "Translating the self: Ariel Dorfman's bilingual journey" in blue. Below the title is the citation: "Doloughan, Fiona J. (2002). Translating the self: Ariel Dorfman's bilingual journey. *Language and Intercultural Communication*, 2(2) pp. 147–152." A note states "Full text is not available in the repository but discovered by CORE:" followed by a "Get full text" button with a document icon.

Below the citation are two tables of metadata:

<b>DOI (Digital Object Identifier) Link:</b>	<a href="https://doi.org/10.1080/14708470208668083">https://doi.org/10.1080/14708470208668083</a>
<b>Google Scholar:</b>	<a href="#">Look up in Google Scholar</a>

<b>Item Type:</b>	Journal Item
<b>Copyright Holders:</b>	2002 F. J. Doloughan
<b>ISSN:</b>	1747-759X
<b>Keywords:</b>	cultural translation; bilingualism; writing and identity
<b>Academic Unit/School:</b>	Faculty of Arts and Social Sciences (FASS) > Arts and Cultures > English & Creative Writing Faculty of Arts and Social Sciences (FASS) > Arts and Cultures Faculty of Arts and Social Sciences (FASS)
<b>Research Group:</b>	Postcolonial and Global Literatures Research Group (PGL)
<b>Item ID:</b>	28875
<b>Depositing User:</b>	Nicola Dowson
<b>Date Deposited:</b>	03 Jun 2011 08:38

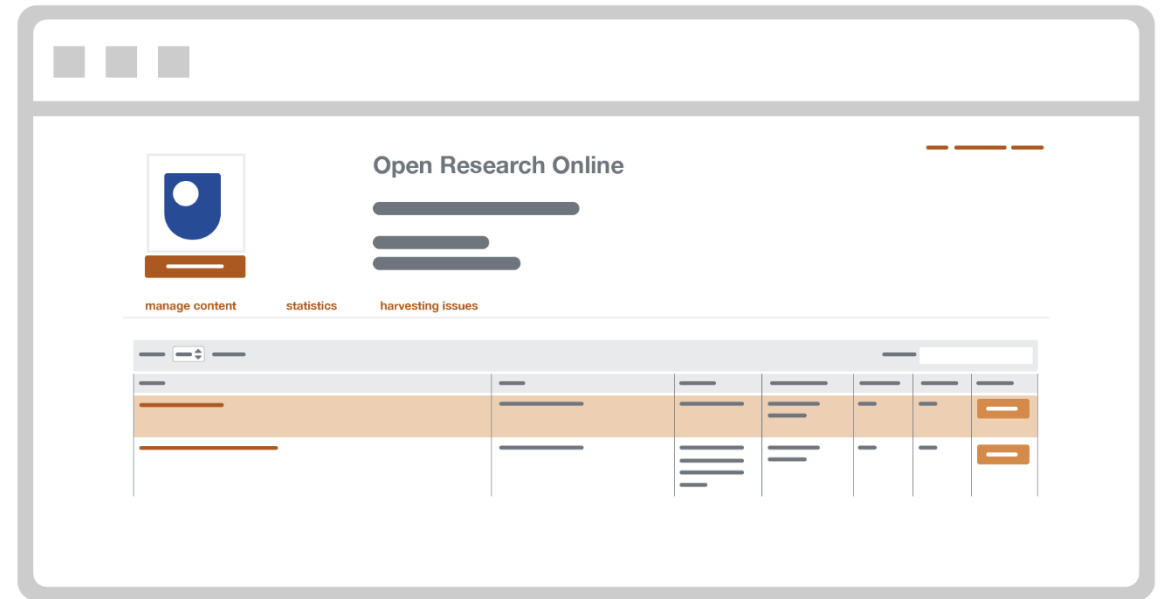


# Call to action: CORE Discovery Repository Plug-in

Install CORE Discovery Repository Plugin to your repository

# CORE Repository Dashboard

- Access to the content harvested from the repository.
- Enables content management, by requesting metadata updates or managing take down requests.
- Access to all detected technical issues and suggestions for improving the efficiency of harvesting and the quality of metadata.
- Statistics regarding the repository content.



<https://core.ac.uk/services/repository-dashboard/>

# Call to action: CORE Repository Dashboard

Contact us for an account to the CORE Repository Dashboard  
[theteam@core.ac.uk](mailto:theteam@core.ac.uk)

# Example integrations with existing library systems

Microsoft Academic

Search any topic, author, journal, etc. or any combination of these










## Scientific and ethical issues related to deep brain stimulation for disorders of mood, behavior, and thought

2009 ARCHIVES OF GENERAL PSYCHIATRY Volume: 66, Issue: 9, pp 931-937 DOI: 10.1001/archgenpsychiatry.2009.113

Peter Rabins<sup>1</sup>, Brian S Appleby<sup>1</sup>, Jason Brandt<sup>1</sup>, Mahlon R DeLong<sup>2</sup> +15

<sup>1</sup> Johns Hopkins University, <sup>2</sup> Emory University, <sup>3</sup> University of California, San Francisco, <sup>4</sup> UZ Gasthuisberg, <sup>5</sup> Brown University, <sup>6</sup> University of Rochester, <sup>7</sup> Minnesota Center for Health Care Ethics, <sup>8</sup> Cleveland Clinic

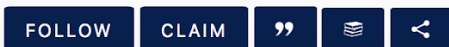
Context A 2-day consensus conference was held to examine scientific and ethical issues in the application of deep brain stimulation for treating mood and behavioral disorders, such as major depression, obsessive-compulsive disorder, and Tourette syndrome. Objectives The primary objectives of the conference were to (1) establish consensus among participants about the design of future clinical trials of deep brain stimulation for disorders of mood, behavior, and thought and (2) develop standards for the protection of human subjects participating in such studies. Results Conference participants identified 16 key points for guiding research in this growing field. Conclusions The adoption of the described guidelines would help to protect the safety and rights of research subjects who participate in clinical trials of deep brain stimulation for disorders of mood, behavior, and thought and have further potential to benefit other stakeholders in the research process, including clinical researchers and device manufactures. That said, the adoption of the guidelines will require broad and substantial commitment from many of these same stakeholders.

 Tourette syndrome  Thought disorder  Psychology  Psychiatry  Mood  Mental health  Major depressive disorder

 Deep brain stimulation  Clinical trial  Clinical research  Clinical psychology

Website(s): [europepmc.org](http://europepmc.org), [core.ac.uk](http://core.ac.uk), [experts.umn.edu](http://experts.umn.edu), [jamanetwork.com](http://jamanetwork.com), [jhu.pure.elsevier.com](http://jhu.pure.elsevier.com), +1

Additional link(s): [archpsyc.jamanetwork.com](http://archpsyc.jamanetwork.com)



## CORE is integrated with Microsoft Academic Search

# Ongoing integrations ...

- Ontochem, Wheesbee and others
  - CORE articles searchable from within specialised search engines
- PMC LinkOut
  - Full texts of CORE articles to be discoverable from within PMC.
- ProQuest Summon and Primo
  - Singed contract and awaiting from technical work to be commenced
- Lean Library
  - Recent integration with Lean Library's content.



# Types of collaborations



IRIS.AI



UNIVERSITY OF  
CAMBRIDGE



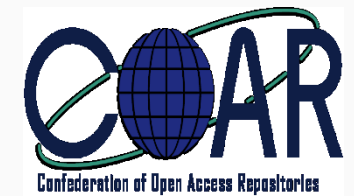
Open  
Access  
Button



Research  
England

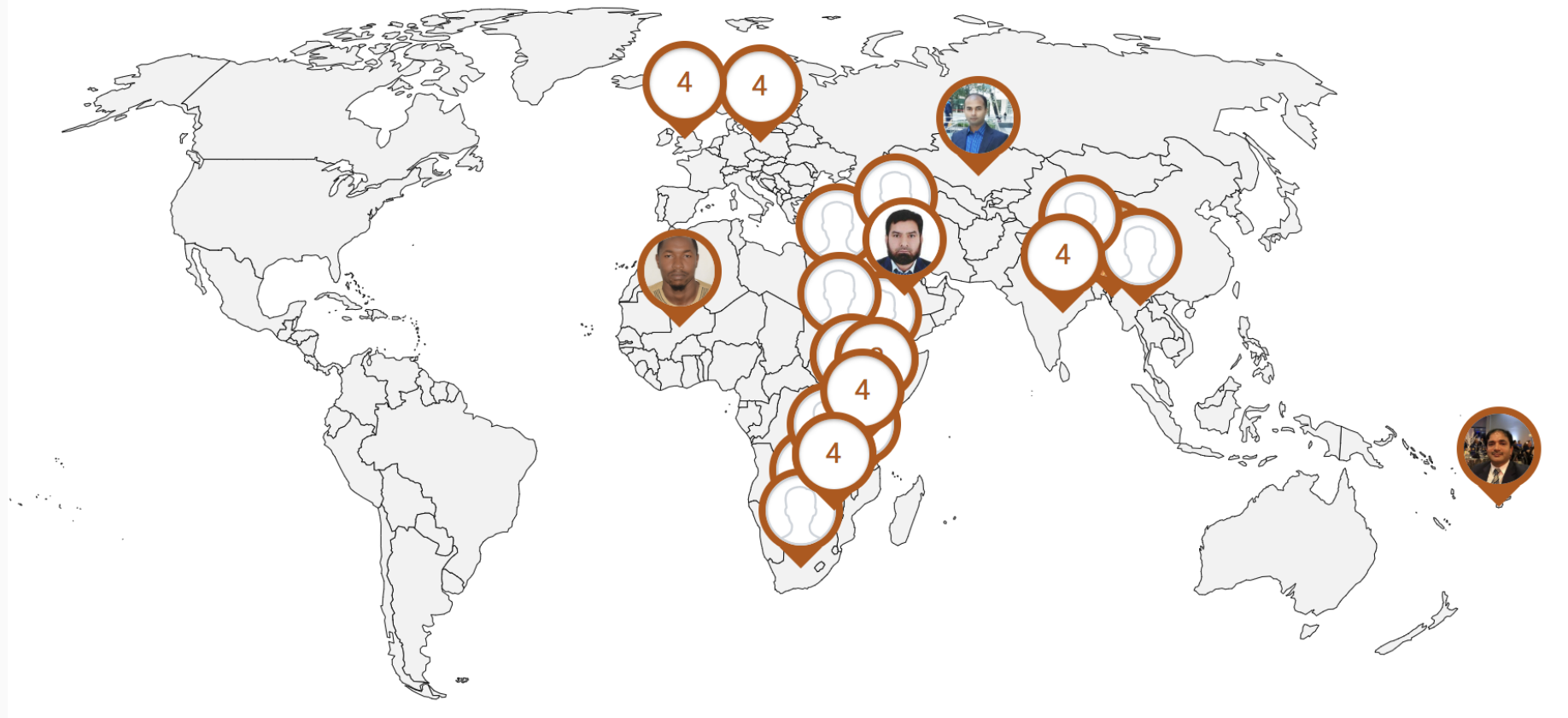


The  
University  
Of  
Sheffield.



# CORE looks for Ambassadors

Spreading knowledge around the world



<http://bit.ly/COREambassadors>

# Call to action: CORE Ambassador

Contact us to become a CORE Ambassador  
[theteam@core.ac.uk](mailto:theteam@core.ac.uk)



# Thank you!

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Website: [core.ac.uk](http://core.ac.uk)

Email: [theteam@core.ac.uk](mailto:theteam@core.ac.uk)

Twitter: [@oacore](https://twitter.com/oacore)

