

# CRISPR

A technology that can be used to edit genes

New Scientist

# Artificial intelligence (AI)

Computer software that mimics aspects of human intelligence

Getty Images/ Peter Cade



## *Scientific Research*

is an enormous driver of human wellbeing



Getty Images/franckreporter



**U.S. scientists achieve  
nuclear fusion breakthrough**



# SUSTAINABLE DEVELOPMENT GOALS



Is science our ***best best*** for achieving the SDG?  
**First, we must more equitably share the gains of science.**

(7<sup>th</sup> Annual Multi-stakeholder Forum on Science, Technology and Innovation, UN)



The disqualification of local or national languages in academic publishing is the ***most important factor*** that prevents societies from using and taking advantage of research done where they live.

The logo for the Helsinki Initiative on Multilingualism is a teal speech bubble with a tail pointing towards the bottom right. Inside the bubble, the text "Helsinki Initiative on Multilingualism" is written in white, bold, sans-serif font, with "Helsinki Initiative" on the first line and "on Multilingualism" on the second line.

**Helsinki Initiative  
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# ***What we have***

Predominantly pay to access, pay to publish scholarly publishing system

Focus on the “article”

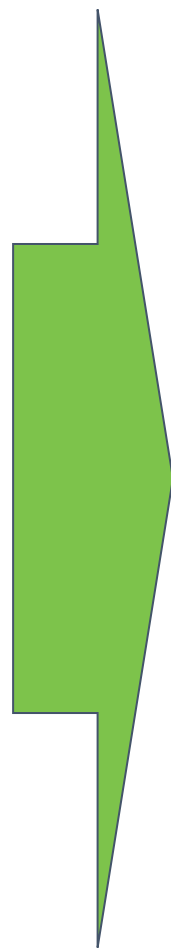
Lengthy lag times from submission to publication

(Excessively high) ‘pay to access’ fees or ‘pay to publish’ fees (APCs)

Consolidation and centralization

Closed collections

Print legacy systems



# ***What we need***

A universal, quality-controlled research communications system

All valuable research outputs

Rapid sharing of preprints with open peer review

Public infrastructure for dissemination of research with no transaction fees

Distributed ecosystem to support bibliodiversity

Open content (AI and TDM)

Utilize the potential of the open web



Open Science is *supposed* to be about *democratizing* the knowledge production system



Can *reforming* the current system bring about the changes we need?





Our Collective Voice



Good Practices



Bibliodiversity and Open Science



Regional Initiatives and Alignment



Multilingual and Non-English  
Content

COAR is working to position repositories as the ***foundation for a distributed, networked infrastructure*** for scholarly communications

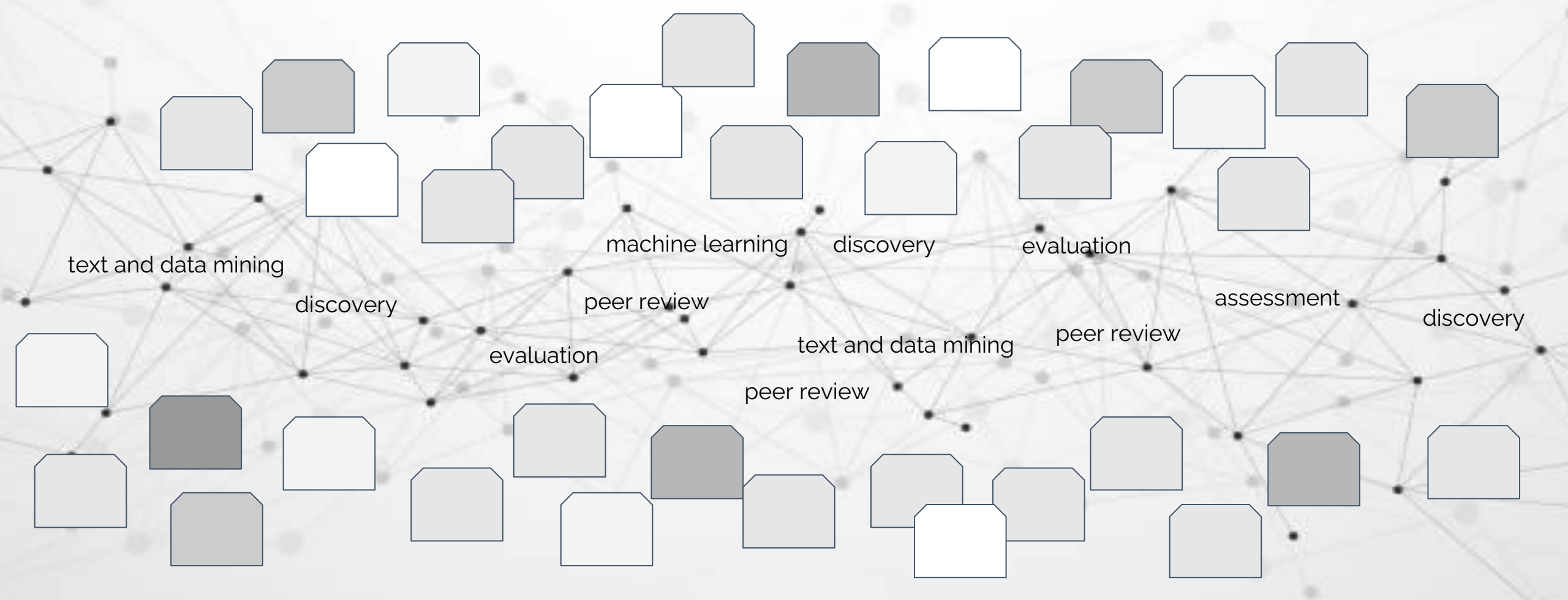


# The Global Knowledge Commons

Repositories as the foundation for a distributed, globally networked infrastructure for scholarly communication, **on top of which layers of value added services will be deployed**, thereby transforming the system, making it more research-centric, open to and supportive of innovation, while also collectively managed by the scholarly community.

# The COAR Notify Initiative

With generous funding support from [Arcadia](#), a charitable fund of Lisbet Rausing and Peter Baldwin



The **Global Repository Network** contains data, articles, preprints, code, etc.

# Current Implementing Partners







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#COARNotify