



# **OPEN** AS A PREREQUISITE TO SOLVING THE CLIMATE CRISIS

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# OPEN ACCESS OF CLIMATE RESEARCH **TODAY**



WE USE KNOWLEDGE TO INFORM DECISION MAKING  
ON THE WORLD'S GREATEST CHALLENGES

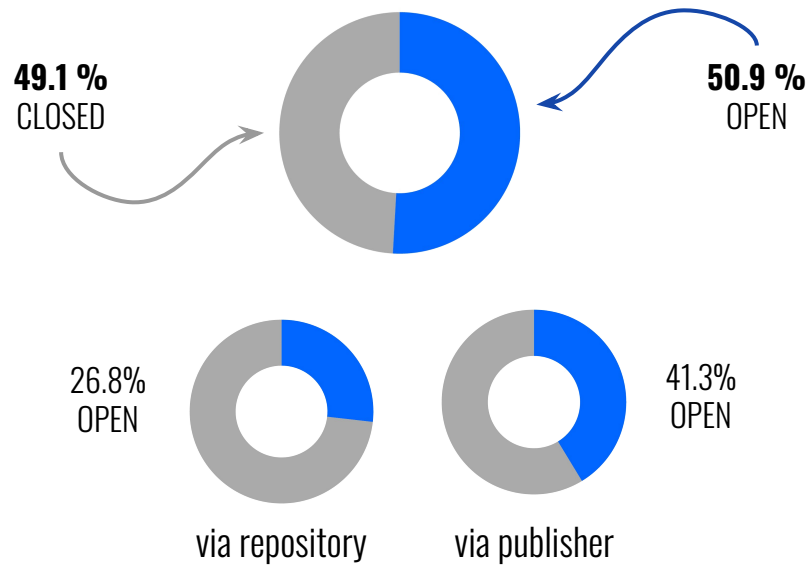


BUT WE DON'T ALWAYS HAVE ACCESS  
TO **CLIMATE CHANGE** KNOWLEDGE



YOUR CHANCES OF BEING ABLE TO ACCESS THE  
CLIMATE RESEARCH, COMES DOWN TO A **COIN FLIP**

467,816  
outputs from 1979 to 2023



Source: Curtin Open Knowledge Initiative

# A PROPOSED APPROACH



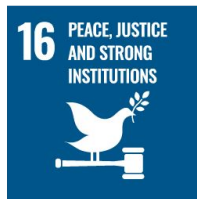
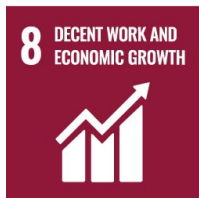


# Why?

- = Increased equitable collaboration in finding faster solutions to the climate crisis
- = Contributions to a robust open knowledge commons which helps to address the information crisis, fight dis/misinformation, and better inform policy making
- = An acceleration in the systemic shift in scholarly communications that is sustainable, equitable, and community-driven
- =

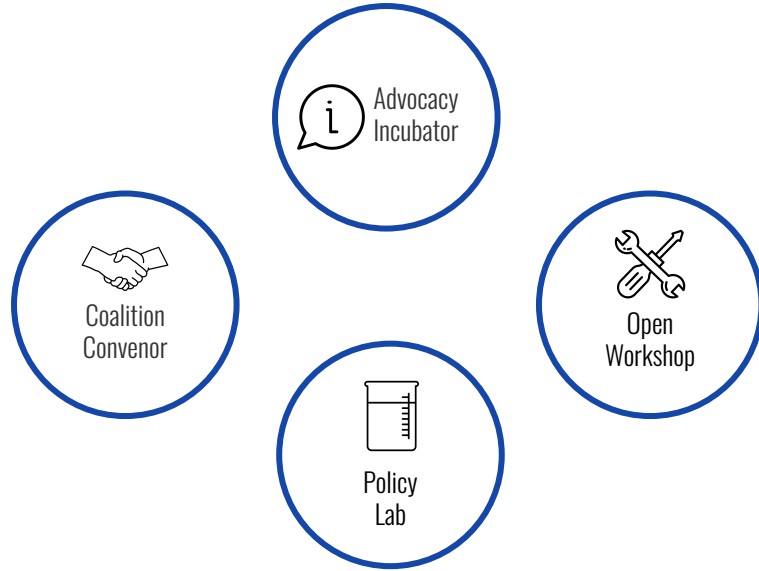


# SUSTAINABLE DEVELOPMENT GOALS





LET'S MAKE THE **OPEN SHARING**  
OF RESEARCH OUTPUTS THE NORM  
IN CLIMATE SCIENCE



Sharing knowledge is a  
**social justice issue**

Accelerating progress requires  
**equity, inclusivity, and global  
empowerment**

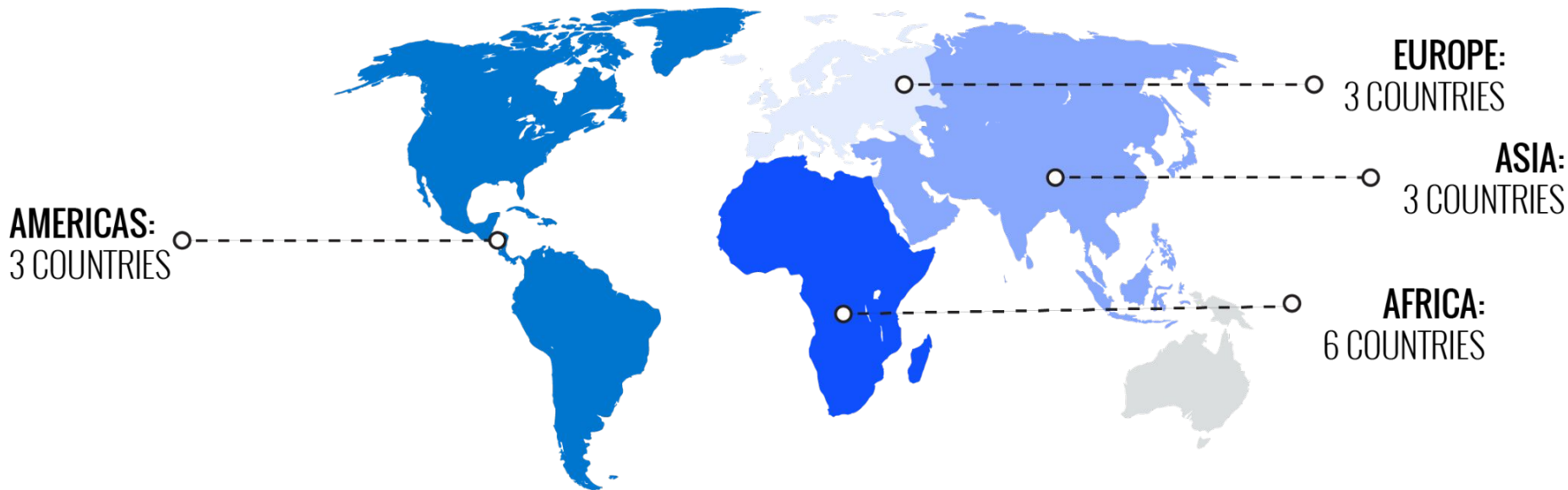
Knowledge about our world  
is a **public good**

# EARLY FINDINGS & OBSERVATIONS

1. Policy change is slow
2. Knowledge producing institutions are looking for ways to take climate action
3. Climate scientists want their research to be available openly
4. Entrenchment with commercial publishers is deep and new OA business models will not be the answer
5. We need to better communicate what is at stake, a sense of urgency, and optimism



# Policy change is slow ... the climate crisis cannot wait



Knowledge producing institutions are looking for ways to take climate action

Climate scientists want their research to be available openly



**What if** repositories can be a tool for climate action?

**What if** we could use repositories to remove the barriers to climate change research by identifying climate change publications

**Then,** leveraging Author Accepted Manuscripts and Rights Retention Policies & use our knowledge of open licenses and infrastructure to reduce the friction in depositing manuscripts?



# PAPER PLEDGE FOR THE PLANET

Aims to drive climate action by encouraging authors to deposit their climate paper in a repository.

1

Identify climate  
change publications  
using Open Alex

2

Separate a tranche  
of papers based on a  
criteria

3

Work with OA.Works  
data to email  
authors

4

Support authors in  
depositing AAM in Zenodo  
repository and/or  
institutional repository

Entrenchment with  
commercial publishers is deep  
and new OA business models  
will not be the answer

The **climate crisis**  
**can't wait** for  
business models to  
be sorted out

## IPCC AR6 reports:

- 60% of papers cited are OA
- 50% of that is OA by the publisher
- 38.9 has CC license
- 28.9 has CC BY license

Putting into practice Peter Suber's 2016, *Unbinding Knowledge: A proposal for providing open access to past research articles, starting with the most important*

**Goal:** To identify seminal climate research that is behind a paywall & make this research open access.

We need to better communicate what is at **stake**, a sense of **urgency**, and **optimism**

- Access to climate change and biodiversity research is one of the most important OA priorities of our time.
- How we enable open access to climate change and biodiversity research matters.
- We must act now.
- The good news is...we can actively enable access to climate change research and contribute to solving the climate crisis.

# WHERE WE GO FROM HERE

**Discipline-specific** approaches to  
OA increase **mobilization and  
movement building**



# CONTACT

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