

## Tales from the Engine Room

What's ahead for Open Access and what's behind us

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## Who are we and what is this?

A team of engineers responsible for implementing the visions of the Great and the Good of Open Access

A presentation; slides, spoken words, insights from experience

## Observation (without proof)

Approximately once a year someone announces that Open Access:

- Is dead
- Has failed
- Isn't worth it

This is a journey into time to see if this is true, or if there is something for us in the future.

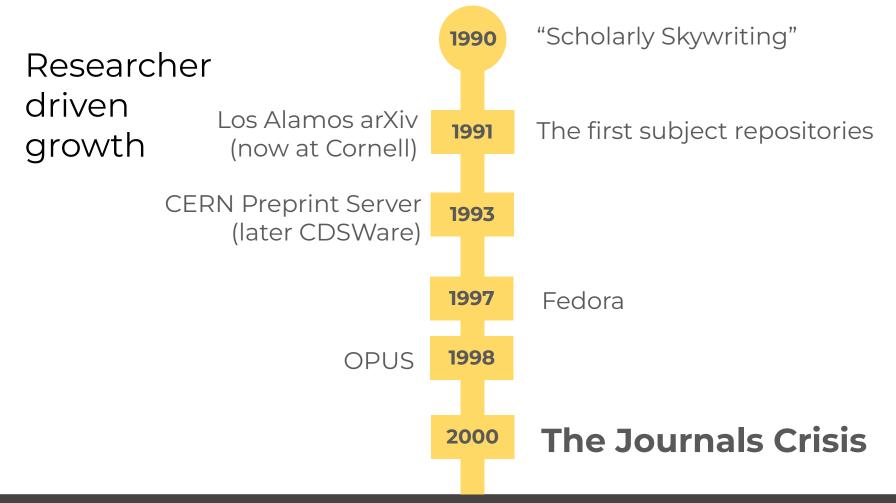
# BEFORE TIME

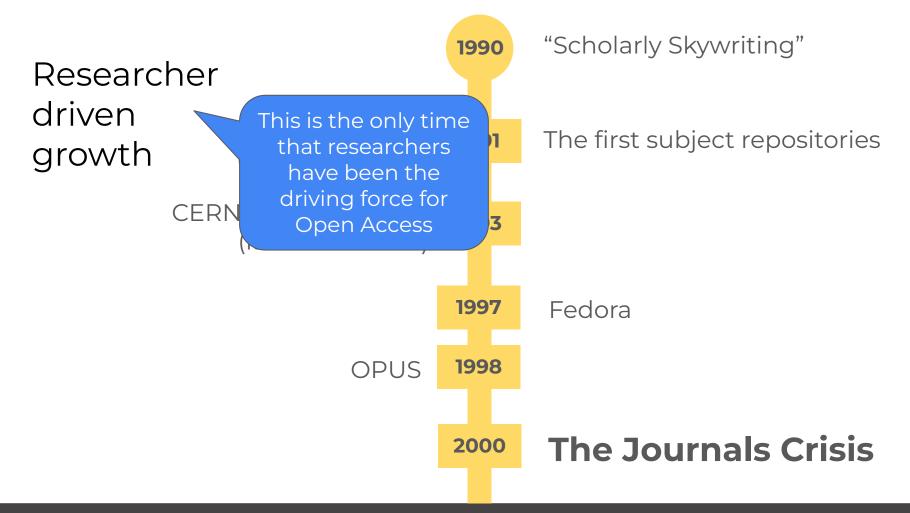
In the beginning there was light

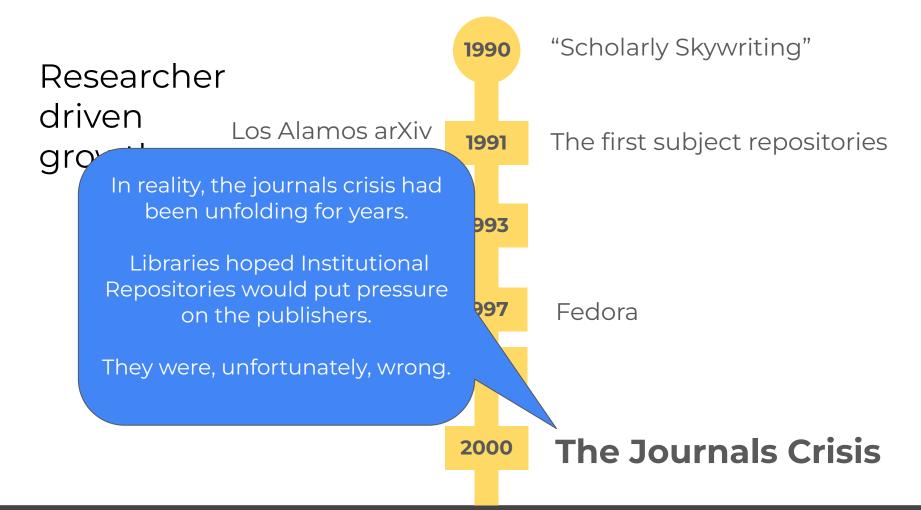
1990

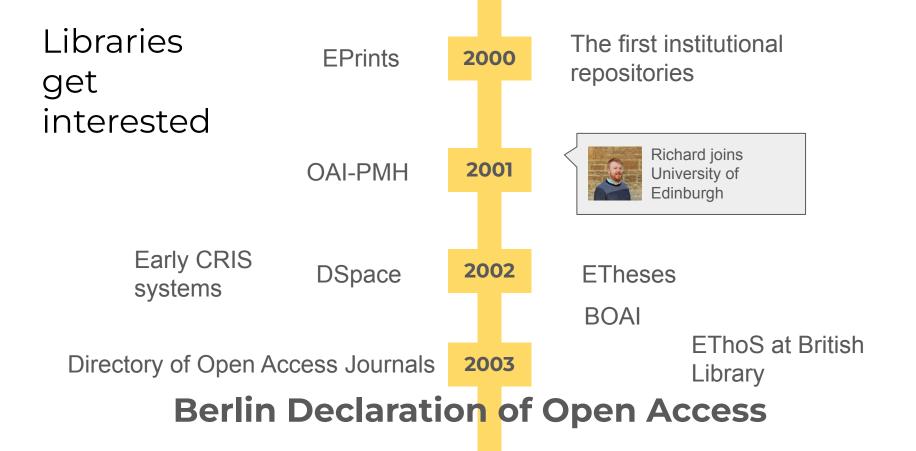
Gardner and Harnad

"Scholarly Skywriting and the Prepublication Continuum of Scientific Inquiry"









# THE AGE OF ENLIGHTENMENT







SHERPA

**APCs** 

**CRIS Systems** 

Getting Popular

SWORD

OAI-ORE

2007

2008

CRIS/Repo integrations





Hydra (later Samvera)

2012

The Great Shift to the Right



DSpace Foundation

2004

SHERPA

APCs

CRIS Systems

Getting Popular

Publishers are adapting their business models to OA

2008

2007

CRIS/Repo integrations

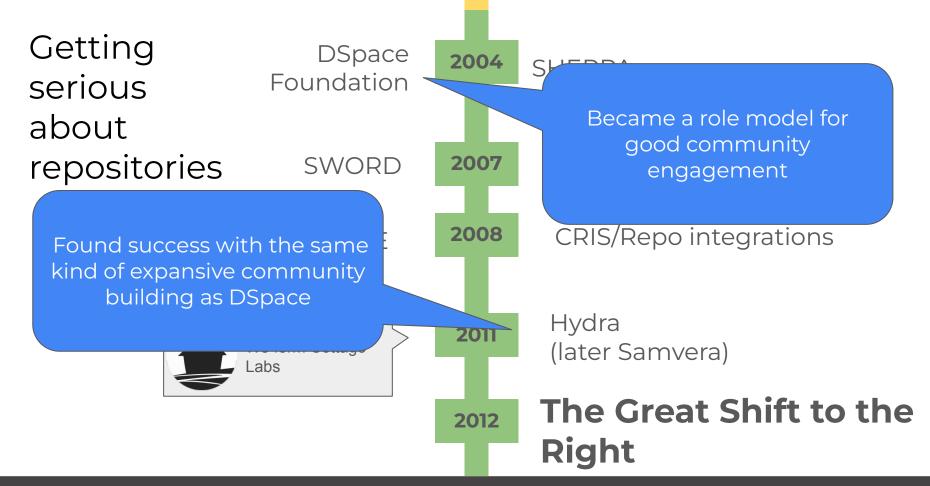


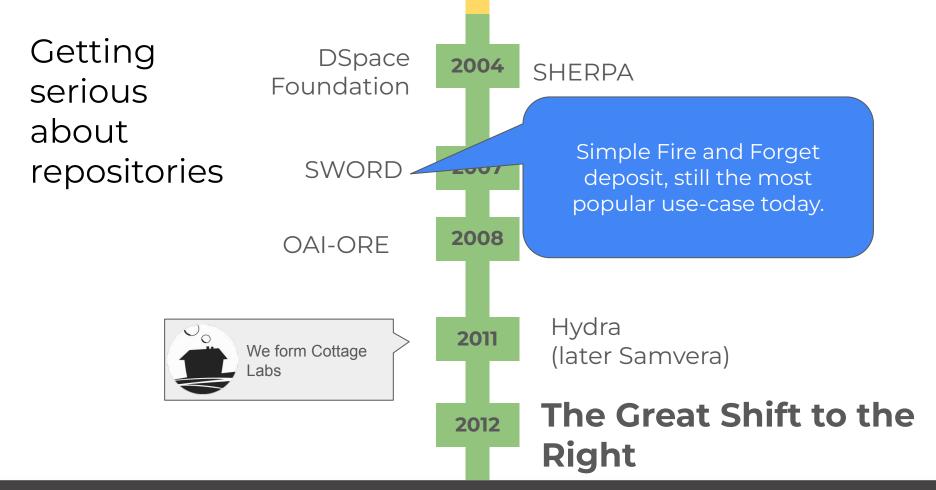
2011

Hydra (later Samvera)

2012

The Great Shift to the Right





# INFRASTRUCTURE **EXPLOSION**

Research funders get involved

ResourceSync

OA Button (later OA.Works)

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Journal Comparison Service

2012

2013

2014

2015

2018

Research Data

**J**DOAJ

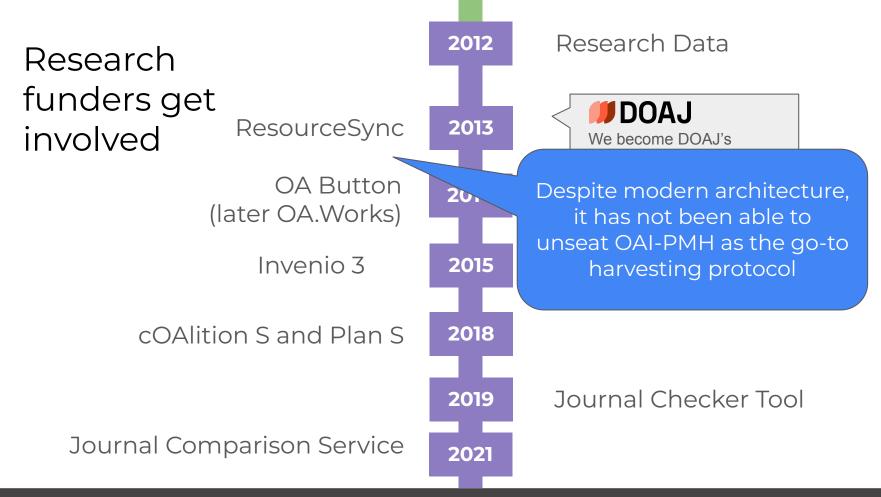
We become DOAJ's technical partner

Steve joins Cottage Labs

2021

2019

Journal Checker Tool



## Research funders get involved

ResourceS

This needs a whole presentation of its own, there's a lot to say.

Historically overlooked by publishers, it's a fertile ground for repositories

Journal Comparison Service

2012

Research Data

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2019

2021

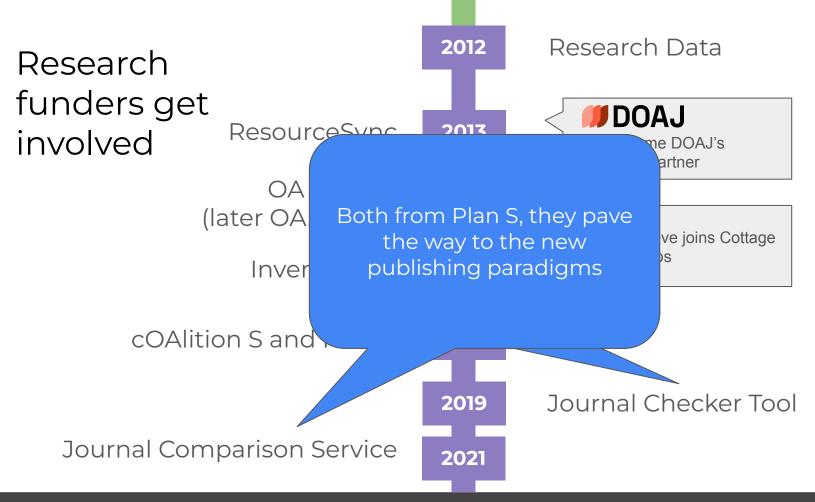
**DOAJ** 

We become DOAJ's technical partner



Steve joins Cottage Labs

Journal Checker Tool



## INTROSPECTION

## The Publisher Trade-off

Before		Now
Virtually zero free-to-read articles		Lots of OA options
Cost for access is on the reader	$\rightarrow$	Cost for access is primarily on the writer
What's this self-archiving thing?	$\rightarrow$	Self-archiving is a commonly available option for authors
The publishing sector extracts a lot of money from institutions	$\rightarrow$	The publishing sector extracts a lot of money from institutions
Theoretical publishing equity		Reduced publishing equity
Poor readership equity		Good readership equity

We traded publishing equity for readership equity

## What we learned

- We can't cut the publishers out
- Researchers won't drive OA
- 3. Good community and governance is critical
- 4. We need big infrastructure and small experiments
- 5. Simple is better, and for standards especially
- 6. Whoever has the money will have the most say

## Is Open Access Dead?

Hopefully it's obvious that Open Access is not an "all or nothing" thing.

## AHEAD

Open Peer Review and Overlay Journals (PRC)

#### needs?

Academic buy-in
Infrastructure and standards
Repositories
Bold OA Publishers

#### has?

The repo community
COAR Notify
Services like Peer Community In
and Episciences

## challenges?

Will be opposed by publishers (see eLife and WoS)
Will require academics to accept these journals

## Diamond Open Access

## needs?

Funder and Institution buy-in Service infrastructure to scale

## has?

Existing base of support Representation in DOAJ Funder interest

## challenges?

Unlikely to overturn publisher business models
Publishers may co-opt

More and better data repositories

## needs?

Better software support More understanding of user needs

## has?

Existing repository software Established institutional practice

## challenges?

Mostly technical ones, a very good opportunity!

# Content reusability

## needs?

A change of mindset - journals and repositories cannot be the end state for the data, must be an enabler instead

## has?

Some prior art in Machine Learning and AI content reuse

## challenges?

Existing software may be a barrier to innovation

## Did we not mention your thing?

We're sorry, there's so much, and we only had 20 minutes. We focused on those that we were involved in directly, or which impacted on my day-to-day work.

There's lots more out there, and the thing that's missing is just as important as the others.



## The End

?

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