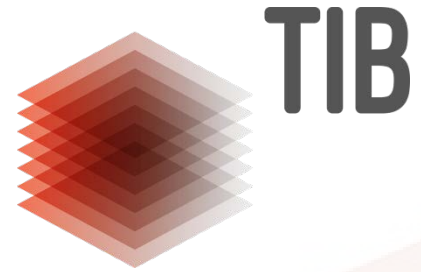

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Three reasons why we should move scholarly publishing to peer-to-peer networks

Lambert Heller
Berlin, 12. March 2018
Barcamp Open Science

Everyday life at the library...

Elsevier stopped me doing my research

[96 Replies](#)

(...)

Full disclosure, I downloaded approximately 30GB of data from Sciencedirect in approximately 10 days. This boils down to a server load of 35KB/s, 0.0021GB/min, 0.125GB/h, 3GB/day.

Approximately two weeks after I started downloading psychology research papers, Elsevier notified my university that this was a violation of the access contract, that this could be considered stealing of content, and that they wanted it to stop. My librarian explicitly instructed me to stop downloading (which I did immediately), otherwise Elsevier would cut all access to Sciencedirect for my university.

<http://onsnetwork.org/chartgerink/2015/11/16/elsevier-stopped-me-doing-my-research/>

From today's discourse on Openness



Failures

by Glyn Moody

Wed, Oct 4th 2017

7:34pm

Filed Under:
academic

Elsevier's Latest Brilliant Idea: Adding Geoblocking To Open Access

from the *how-about-no?* dept

We've just written about a troubling [move](#) by Elsevier to create its own, watered-down version of Wikipedia in the field of science. If you are wondering what other plans it has for the academic world, here's a post from Elsevier's Vice President, Policy and Communications, Gemma Hersh, that offers some clues. She's "responsible for developing and refreshing policies in areas related to open access, open data, text mining and others," and in "[Working towards a transition to open access](#)", Hersh meditates upon the two main kinds of open access, "gold" and "green". She observes:

A common pattern in both examples:

**It's not only about Elsevier –
it's about putting our trust in platforms.**

Elsevier (and others) just exploit that trust.

The Internet doesn't have to be like that

Date: Mon, 2 Jul 2001 16:30:26 -0700 (PDT)
To: decentralization@yahoogroups.com
Subject: BitTorrent - a new P2P app
Message-ID: <Pine.LNX.4.21.0107021628400.12015-100000@...>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
From: Bram Cohen <BRAM@...>

My new app, BitTorrent, is now in working order, check it out here -

<http://bitconjurer.org/BitTorrent/>


-Bram Cohen

<https://groups.yahoo.com/neo/groups/decentralization/conversations/topics/3160>

The Decentralized Web Movement™

initial readme Browse files

🔑 master 📁 v13.10.0 ... v6.1.0

 maxogden committed on 27 Jun 2013 0 parents commit 464679267049899eafa345125a0f2212f91be456

(...)

```
63 ■■■■■■ readme.md <> 📄 ▼
```

```
...  ...  @@ -0,0 +1,63 @@
```

```
1  +# dat
```

```
2  +
```

```
3  +## collaborative data
```

```
4  +
```

```
5  +### What is `dat`?
```

```
6  +
```

```
7  +`dat` is a new initiative funded by the Knight Foundation that seeks to increase the traction of the open data movement by providing better tools for collaboration.
```

<https://github.com/datproject/dat/commit/464679267049899eafa345125a0f2212f91be456?diff=unified>

We have a “trusted platforms” problem in science

To get hold of scholarly objects today, we have to go through a number of platforms, API (non)standards, “open” policies, business models etc.

With each of these levels, the problems multiply.

Proliferation of „decentralized“ – it’s already happening

The GHTorrent project

Welcome to the GHTorrent project, an effort to create a scalable, queryable, offline mirror of data offered through the [Github REST API](#).

Follow [@ghtorrent](#) on Twitter for project updates and [exciting research](#) done with GHTorrent.

It is used for critical infrastructure



debian

[About Debian](#) [Getting Debian](#) [Support](#) [Developers' Corner](#)

[/ debian on cds / downloading debian cd images with bittorrent](#)

Downloading Debian CD images with BitTorrent

[BitTorrent](#) is a peer to peer download system optimised for large numbers of downloaders. It puts minimal load on our servers because BitTorrent clients upload pieces of files to others while downloading, thus spreading the load across the network and making blazing fast downloads possible.

- [Debian on CD](#)
- [FAQ](#)
- [Network Install](#)
- [Buy CDs or DVDs](#)
- [Download](#)

Why we should move scholarly publishing to peer-to-peer networks? – Reason 1

In order to get their research done, researchers should be able to get hold of lots of data without additional effort.

It's up to the research infrastructure.

„Pragmatic school“ , „infrastructure school“ (cf. <https://doi.org/ck99>)

Why we should move scholarly publishing to peer-to-peer networks? – Reason 2

Allow and enable everybody to add to research data availability.

We owe it to the scholarly work incorporated in that data.

„Democratic school“ (cf. <https://doi.org/ck99>)

Why we should move scholarly publishing to peer-to-peer networks? – Reason 3

Replacing privileged access with permissionless innovation levels the playing field for business model innovation.

„Economic school“

Really? Enable, like, everybody? – Quick reality check

Y **Hacker News** [new](#) | [comments](#) | [show](#) | [ask](#) | [jobs](#) | [submit](#)

▲ [justinclift](#) on Feb 13, 2016 | [parent](#) | [favorite](#) | on: [Sci-Hub: Removing barriers in the way of science](#)

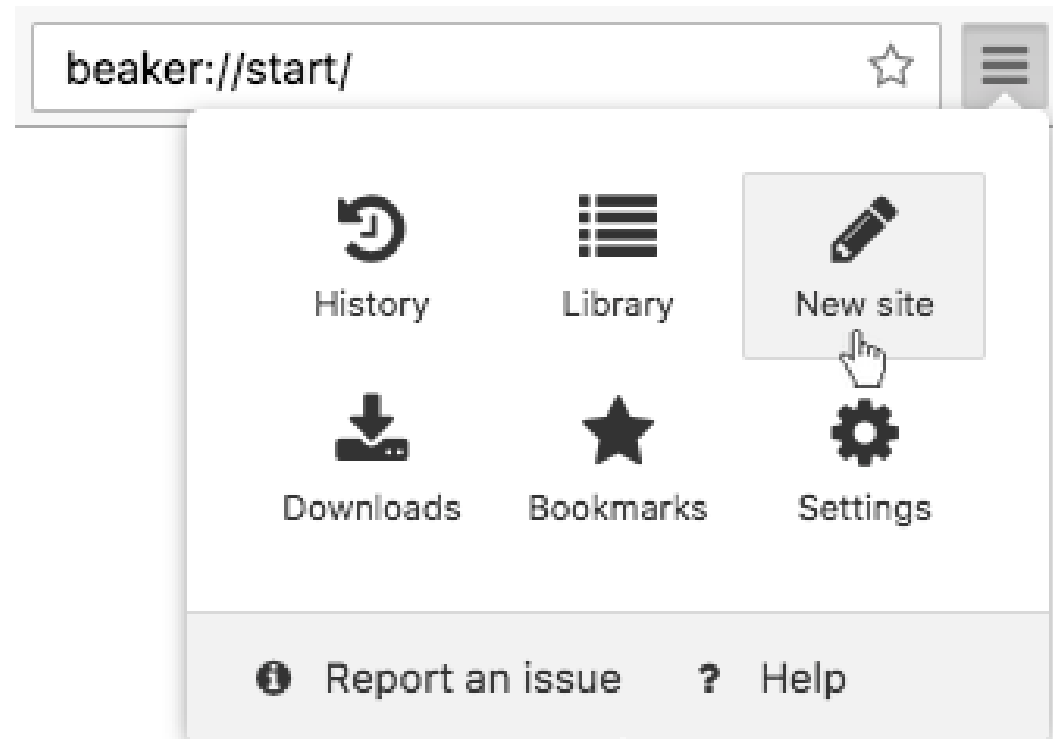
Wonder what the size of the data set is so far?

Likely TB's?

▲ [vortico](#) on Feb 13, 2016 [-]

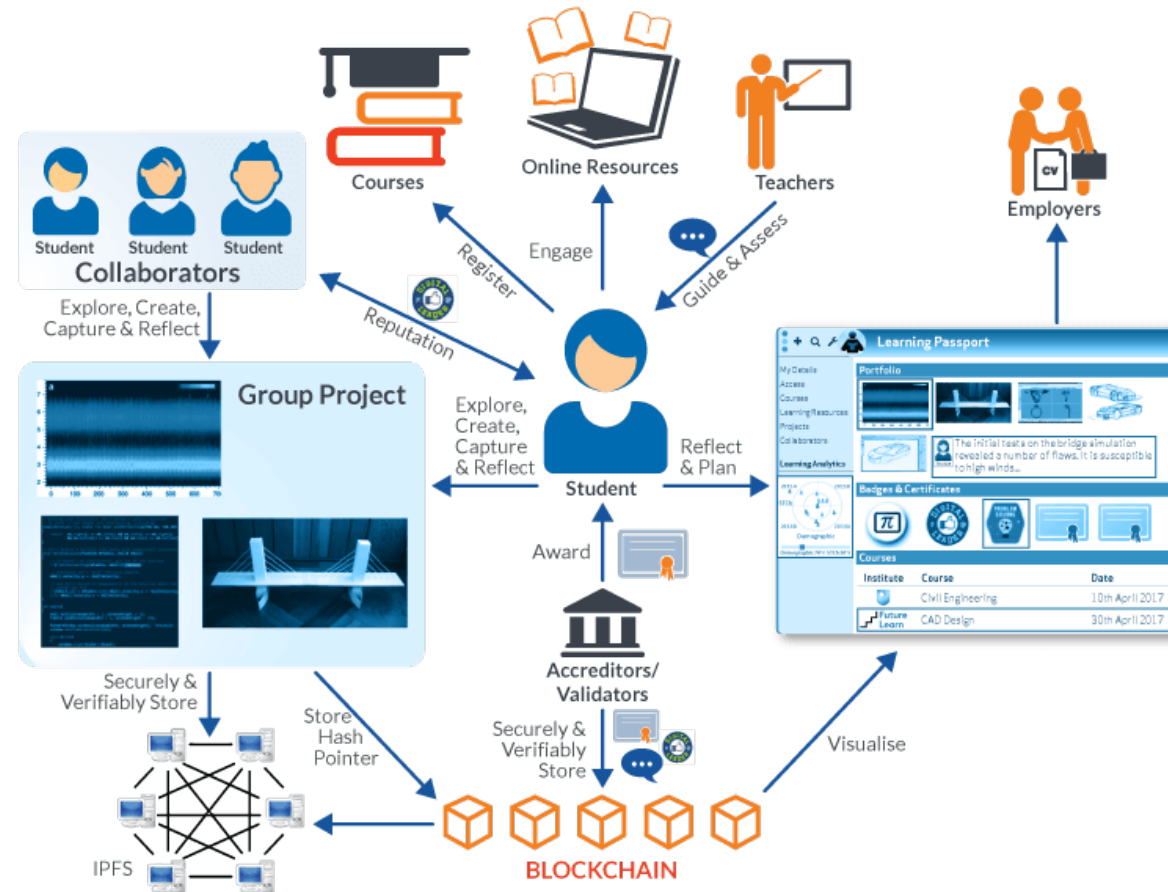
The total size of the torrents are around 38-40 TB.

But it's about more than „file sharing“



<https://beakerbrowser.com/>

Completely decentralized educational certificates: They are here



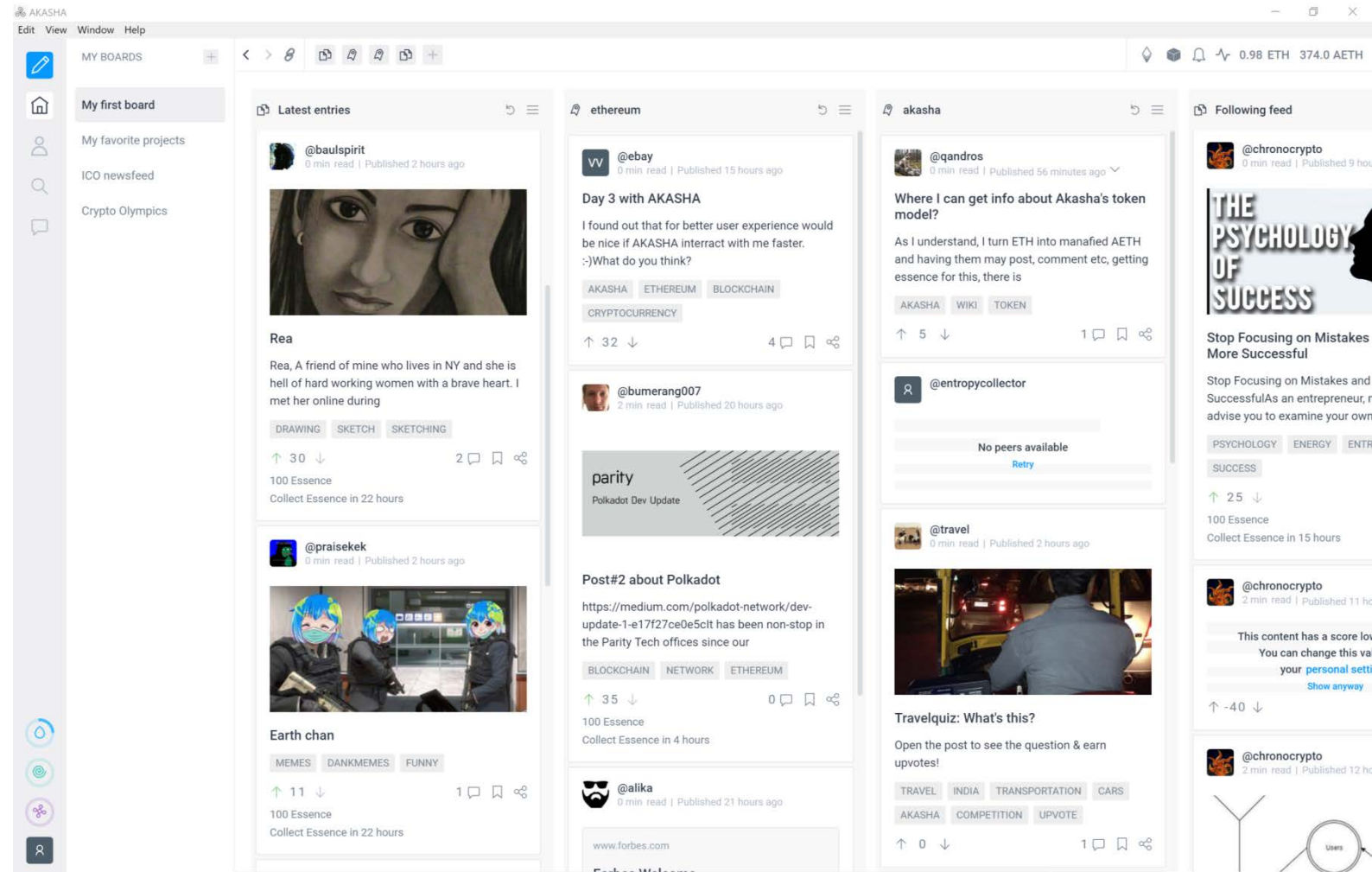
<http://blockchain.open.ac.uk/>

Educational certificates?

**Peer review as well as
tenure / hiring / funding committee decisions
...are basically the same than educational certificates.**

**Think of an “ownerless”, decentralized database
holding the scholarly metadata trail,
which everybody can read and add to.**

In beta: Completely decentralized social networks



<https://blog.akasha.world/2018/02/10/akasha-beta-emergence/>

Call to action – what to within the next hour

**Install Beaker Browser, ZeroNet and Akasha, submit bug reports,
and – if that's your thing – engage with them on Twitter**

Call to action – what to within this day

Let's have a one or more sessions on P2P at this barcamp

Call to action – what to within this year

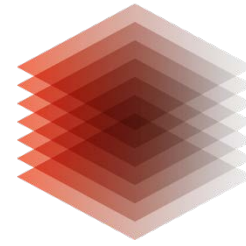
**If you run a „trusted platform“:
Move from campaigning for users‘ trust to thinking and acting
on how to make “trusted platforms” history**

Further information

Article covering some ideas from these slides, with further links:

<https://bit.ly/blockchain-commons>

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Contact

Lambert Heller

T +49 511 762-5348, lambert.heller@tib.eu,  @Lambo



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