

# Synergies: Access ouvert en physique de particules

Généraliser l'accès ouvert aux résultats de la recherche

24-25 janv. 2013 Paris (France)



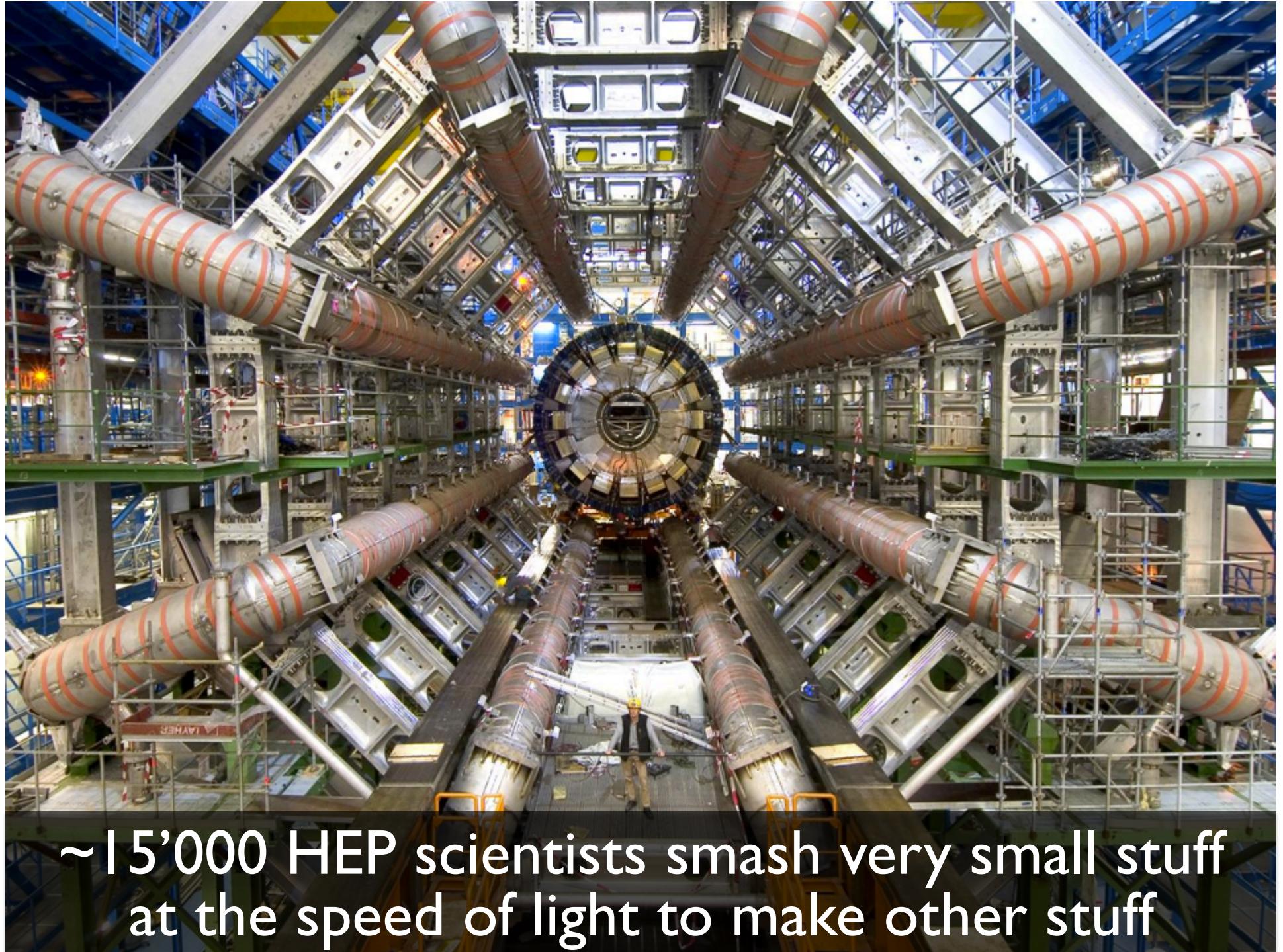
Jens Vigen, directeur de la bibliothèque du CERN

# HEP

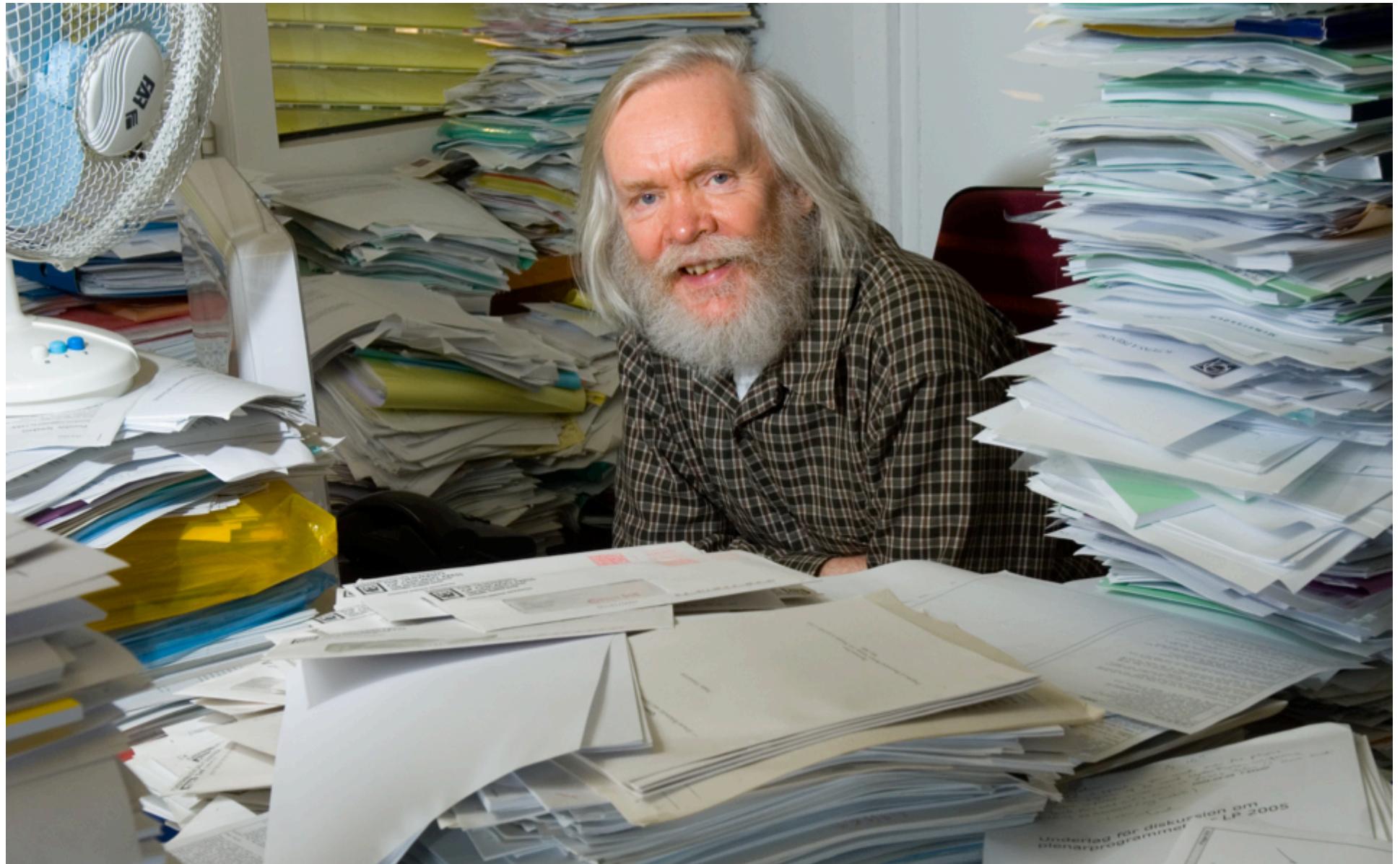
# High-Energy Physics



What is the universe made of ?



~15'000 HEP scientists smash very small stuff  
at the speed of light to make other stuff



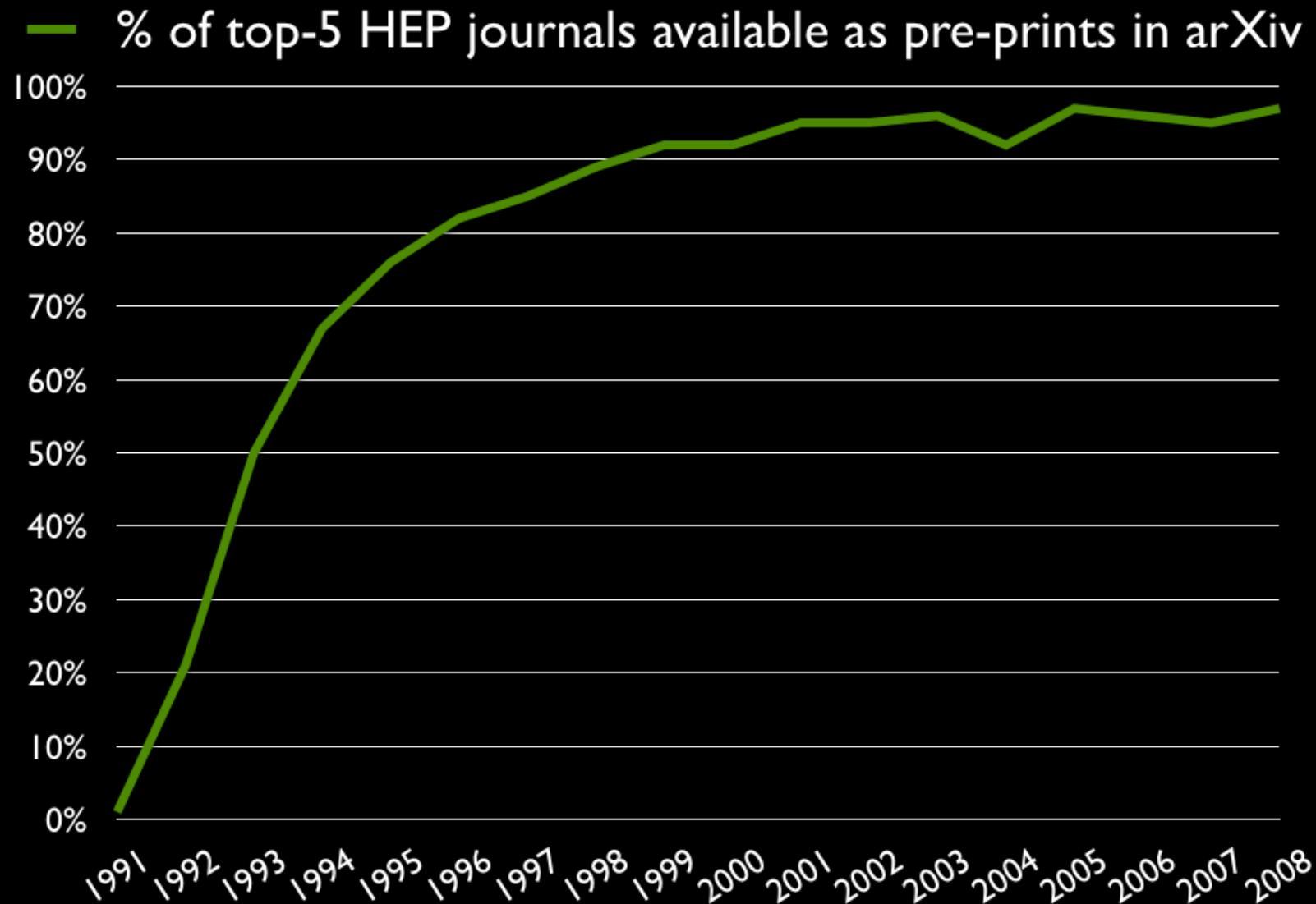
~15'000 HEP theorists scratch their heads to make sense of all that stuff and then more

# HEP publishing



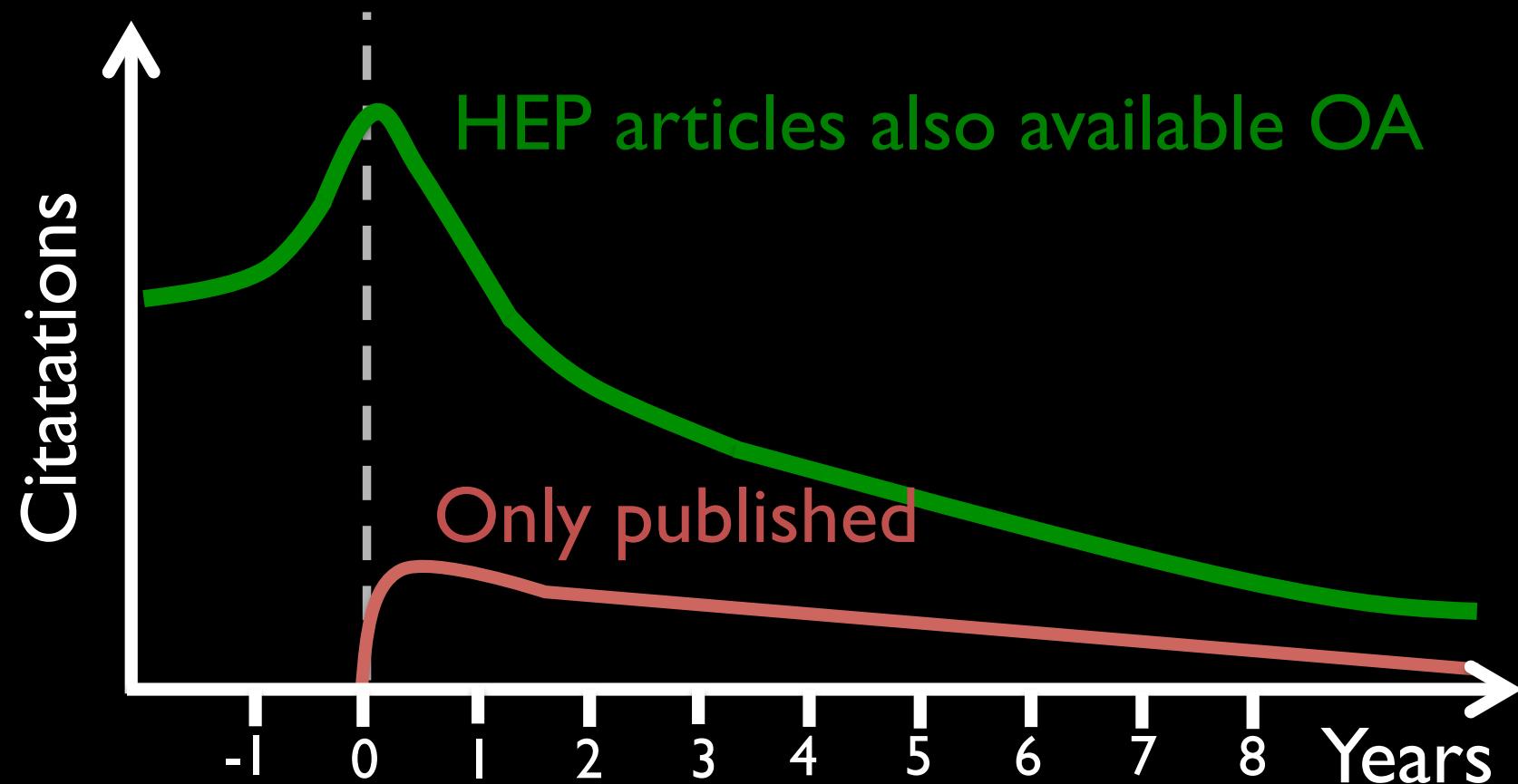
HEP total ~7'500 papers/year  
90% written by 1, 2 or 3 authors...  
2% of overall publications come from CERN

# 97% of HEP journals' content is in arXiv



Gentil-Beccot, Mele, Brooks, arXiv:0906.5418

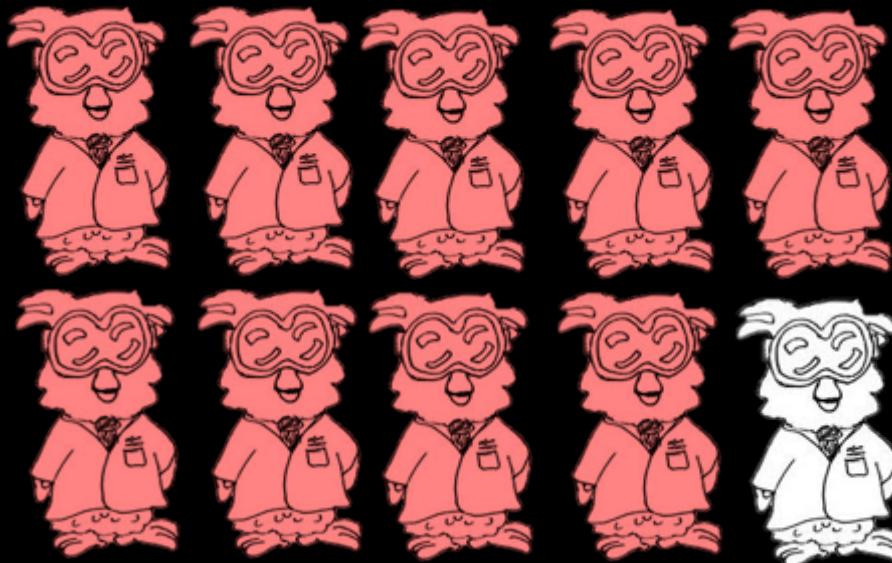
# Effects of global (green) Open Access in HEP



Open Access accelerates Science!  
Scientific dialogue on subject repositories

What about journals?

# 9 HEP scientists in 10...



...use arXiv also when a journal version exists!

PHILOSOPHICAL  
TRANSACTIONS:  
GIVING SOME  
ACCOMP'T  
OF THE PRESENT  
Undertakings, Studies, and Labours  
OF THE  
INGENIOUS  
IN MANY  
CONSIDERABLE PARTS  
OF THE  
WORLD.

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Vol I.

For Anno 1665, and 1666.

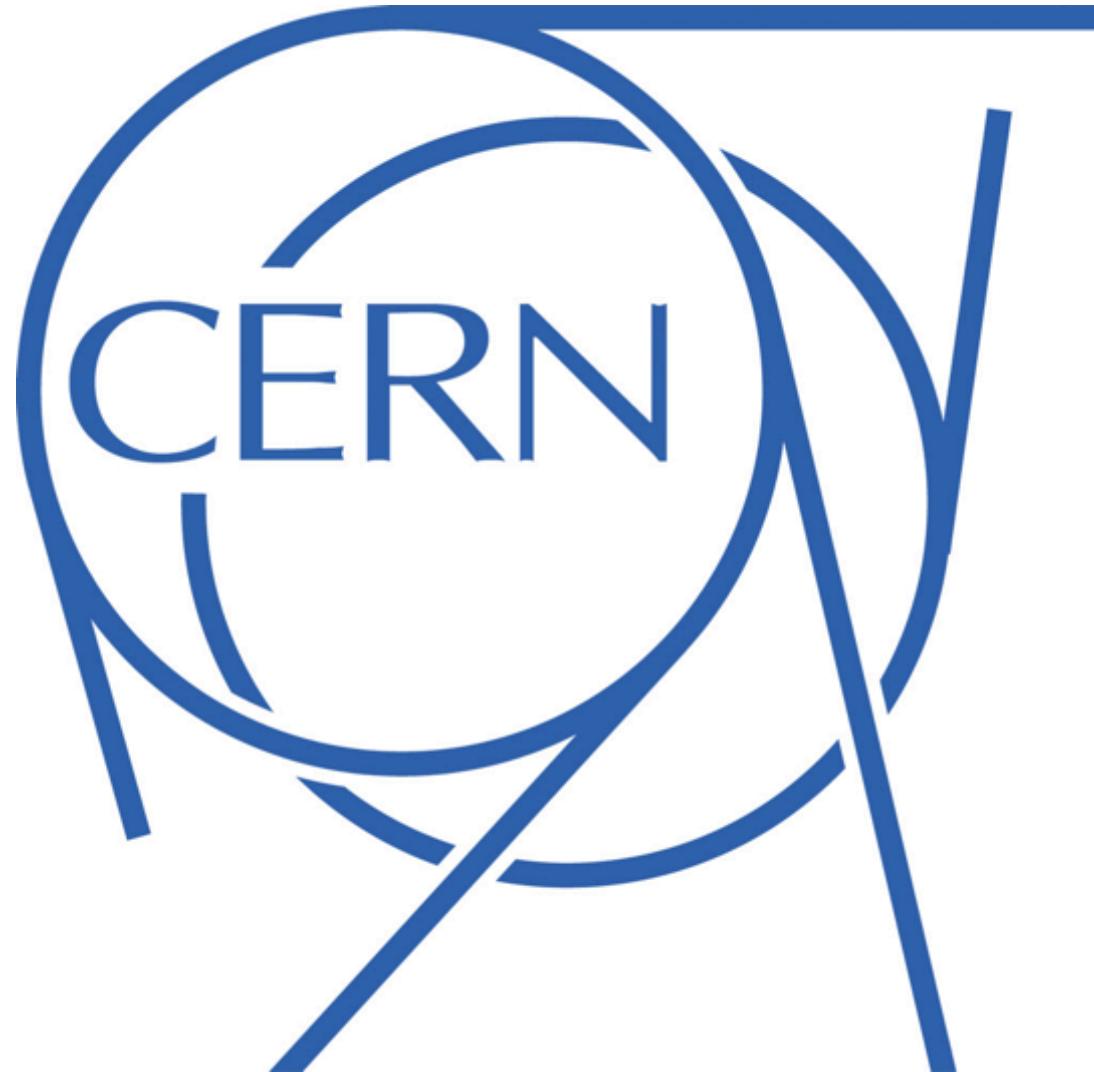
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In the SAVOY,  
Printed by T. N. for John Martyn at the Bell, a little without  
Temple-Bar, and James Allestry in Duck-Lane,  
Printers to the Royal Society.

“Why do you need journals at all?”



Indispensible role for this and all communities



Principles of Open Access Publishing at CERN



**La Convention du CERN (1953):** “[...] l'encouragement de la coopération internationale dans la recherche nucléaire, y compris la collaboration en dehors des laboratoires; cette coopération peut comprendre en particulier [...] (ii) ... la diffusion d'informations, ...”



*“... les résultats de ses travaux expérimentaux et théoriques sont publiés ou de toute autre façon rendus généralement accessibles.”*



High-Quality Peer-Reviewed publication outlets

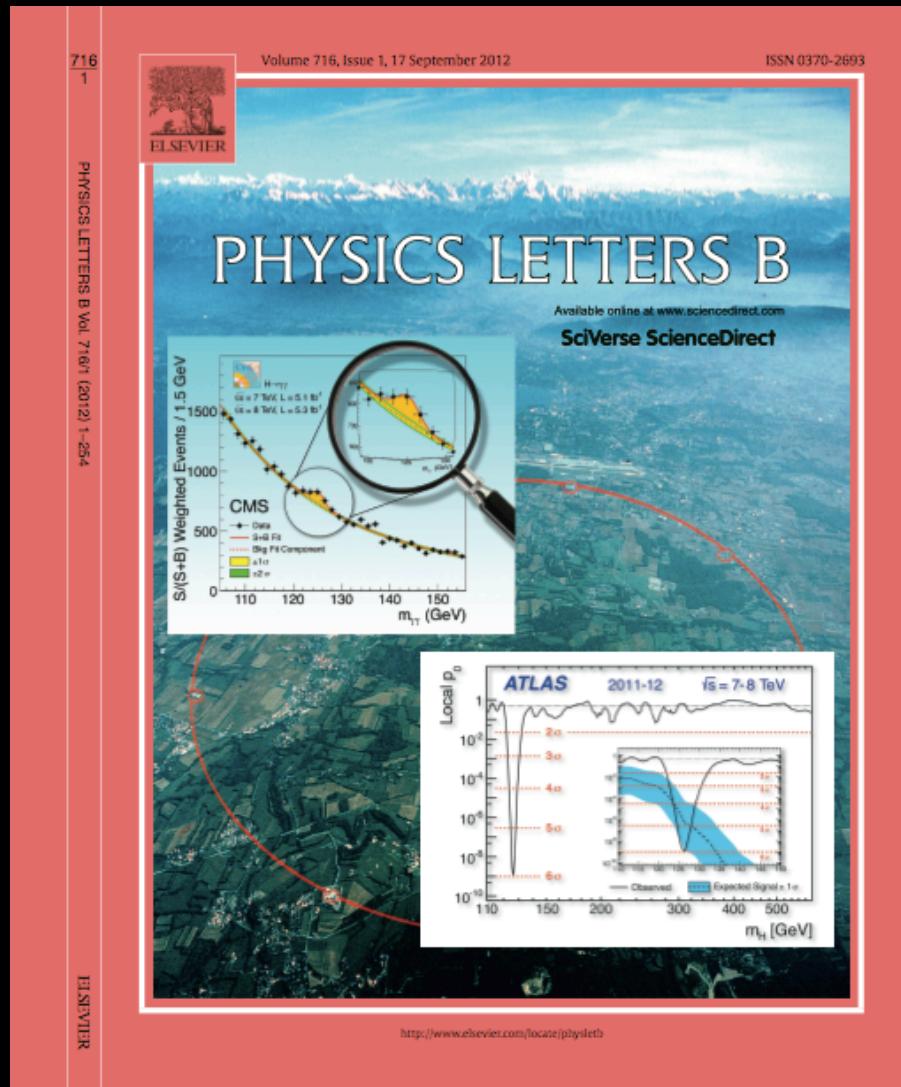


No Financial Barriers for Authors



Widest re-use rights for our material

# Landmark publication published OA



All LHC results have been published OA,  
across a variety of journals from different publishers

# The SCOPAP3 model



# SCOAP<sup>3</sup> main principles

- Natural evolution from an over all green discipline to Open Access Publishing
- Building on wishes/practices of the community
- Reuse subscription money in a more clever way
- Expand to all HEP scientists the current benefits of the LHC community
  - Independent high-quality peer-review and prestigious publishing outlets
  - No financial barriers for authors
  - Widest re-use rights



Re-use the CERN and HEP model...



...of international co-operation...



...to build  
a global  
partnership.



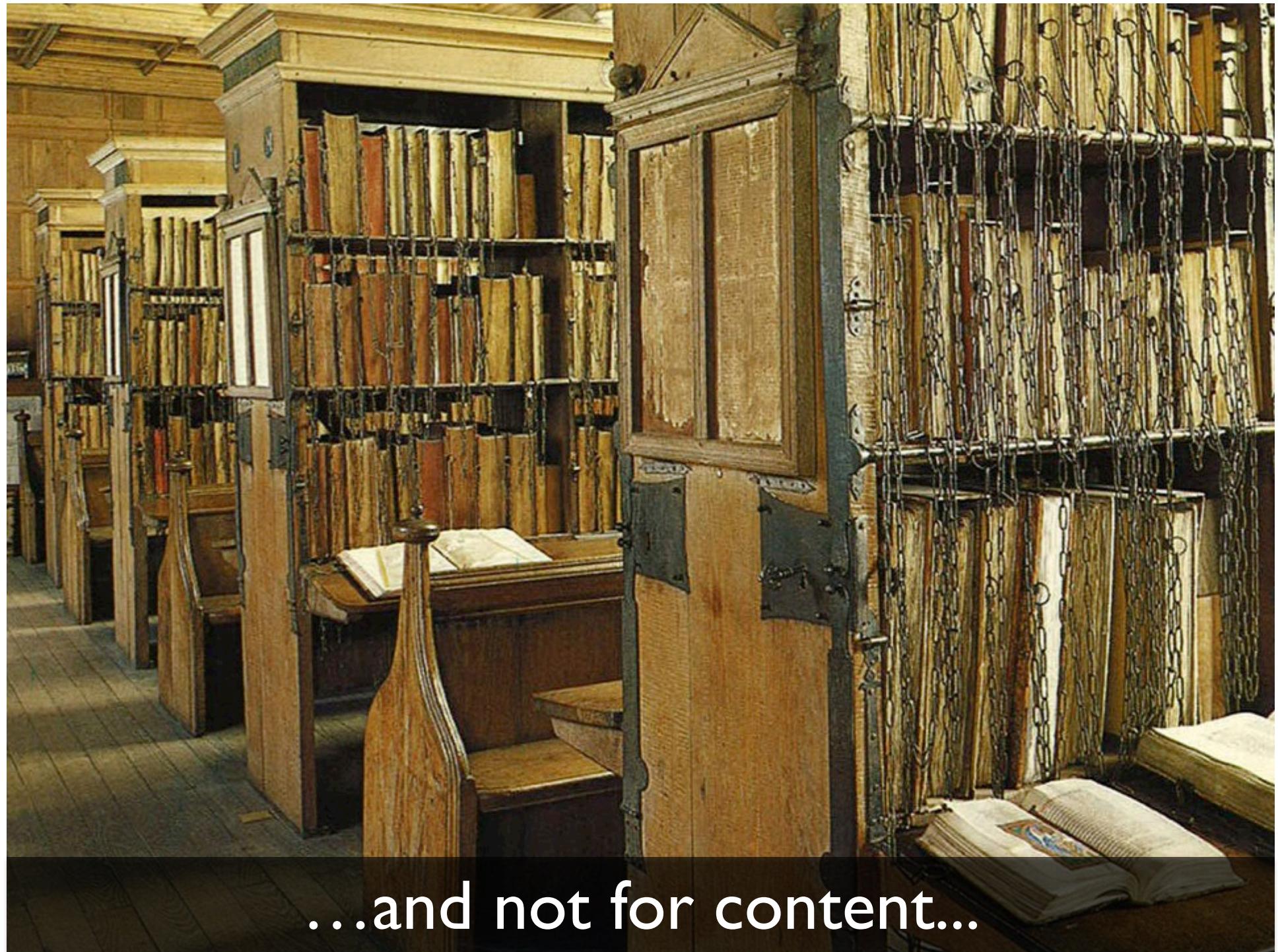
Use money currently...



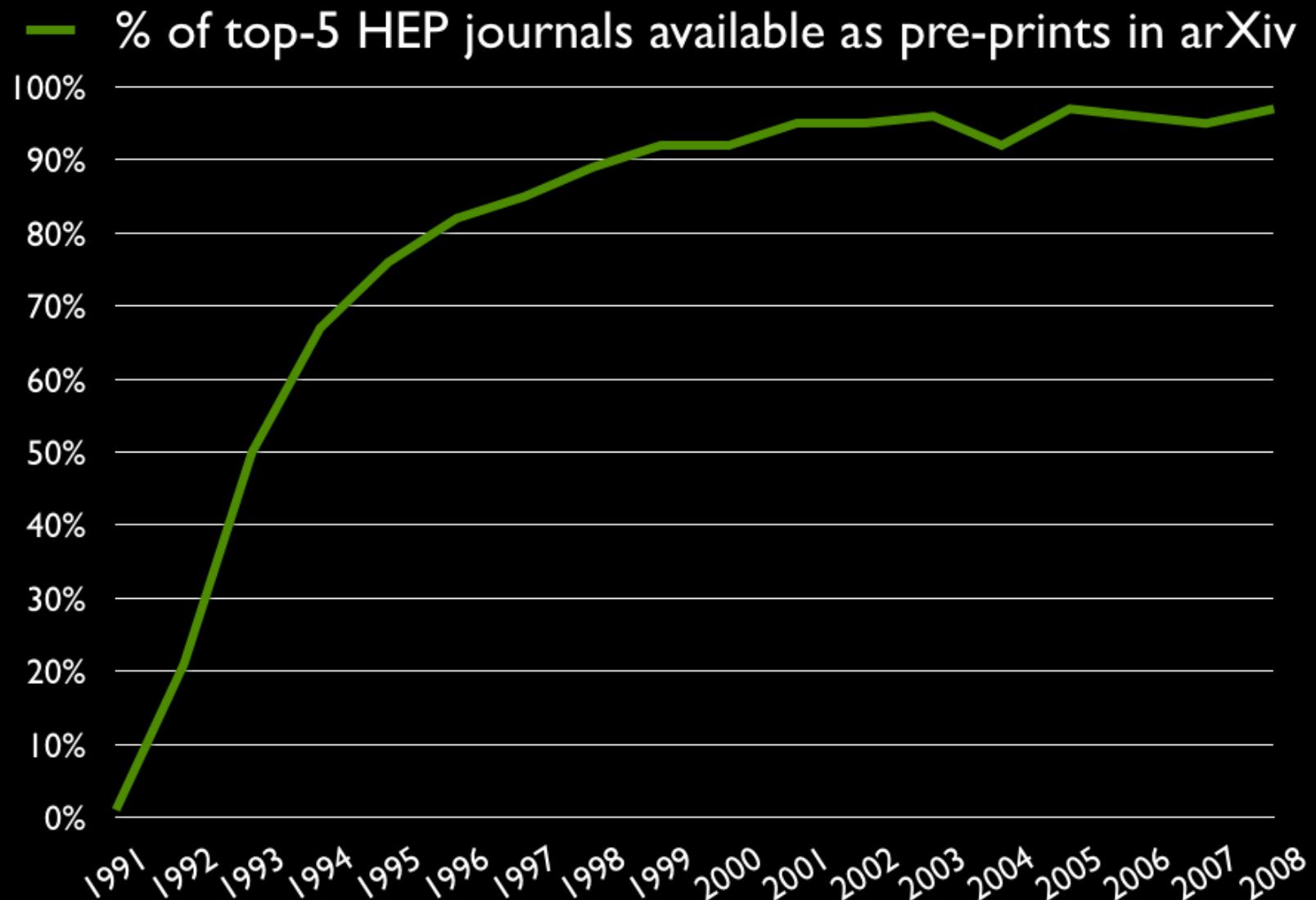
...spent by to license content...



...to pay for the peer-review services...



...and not for content...



Gentil-Beccot, Mele, Brooks, arXiv:0906.5418

...which is “free” anyhow!

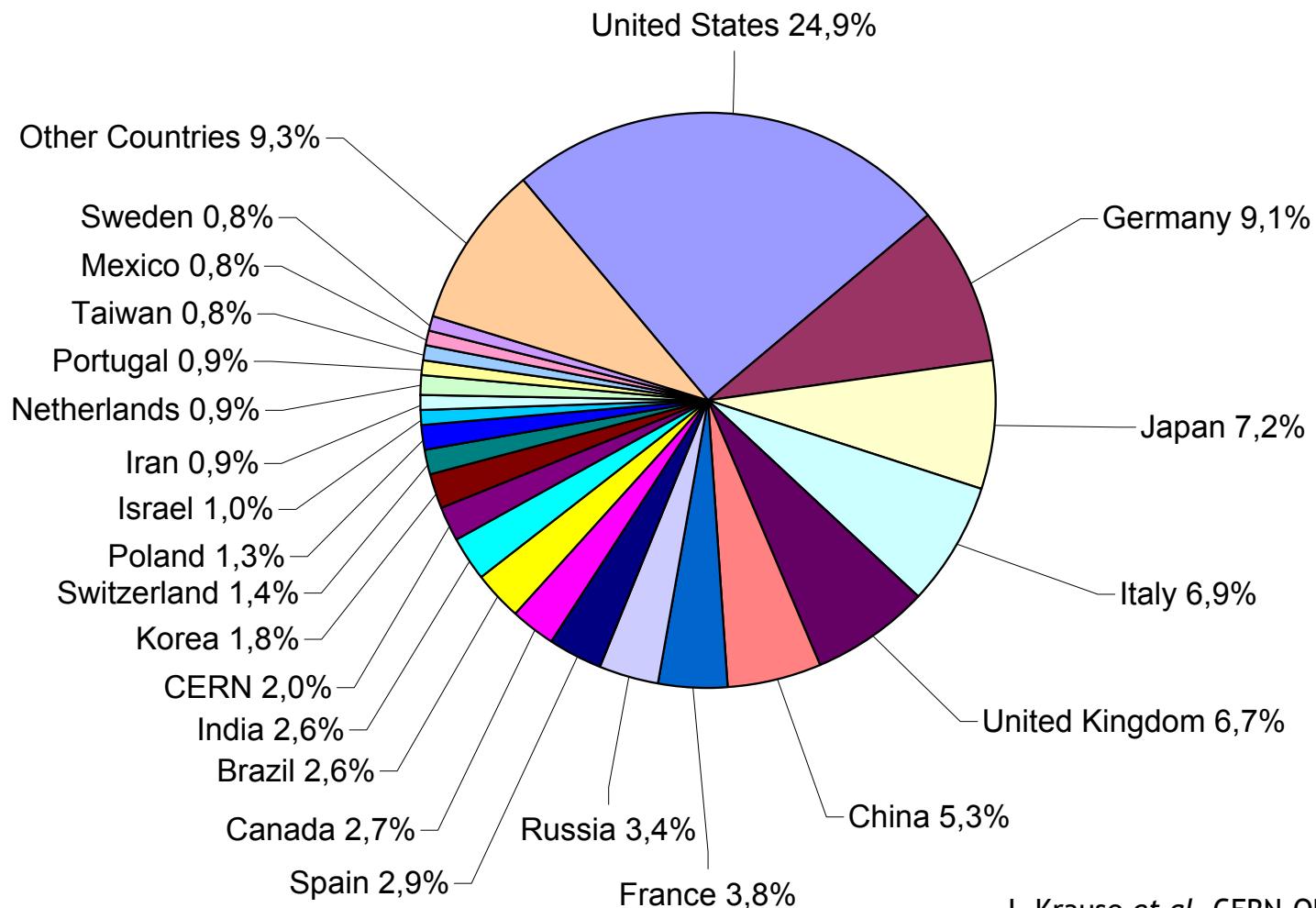
# SCOAP<sup>3</sup> in a nutshell

## 10M€/year

- Re-use/re-direct subscription monies
- Convert existing HEP journals to OA
  - Pay centrally for existing OA-only titles
- SCOAP<sup>3</sup> pays centrally for publisher services
- Publishers agree on reductions to Libraries
- Libraries/Agencies finance SCOAP<sup>3</sup>
- Price from open & competitive call for tender

# Fair-share

## Each country contribute as share of worldwide HEP publications (i.e. peer-review usage)



SCOAP<sup>3</sup> facilitates scientists from developing countries  
to participate on an equal footing

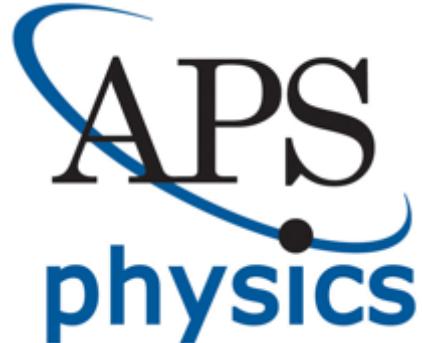


# SCOAP<sup>3</sup> global partnership today

Australia, Austria, Belgium, Canada, CAS (China),  
CERN, Czech Rep., Denmark, Finland, France,  
Germany, Greece, Hungary, Israel, Italy, Japan,  
JINR (Russia), Korea, Morocco, Netherlands,  
Norway, Portugal, Romania, Slovakia, Spain,  
Sweden, Switzerland, South Africa, Turkey, UK,  
>180 U.S. libraries

Building more key partnerships right now

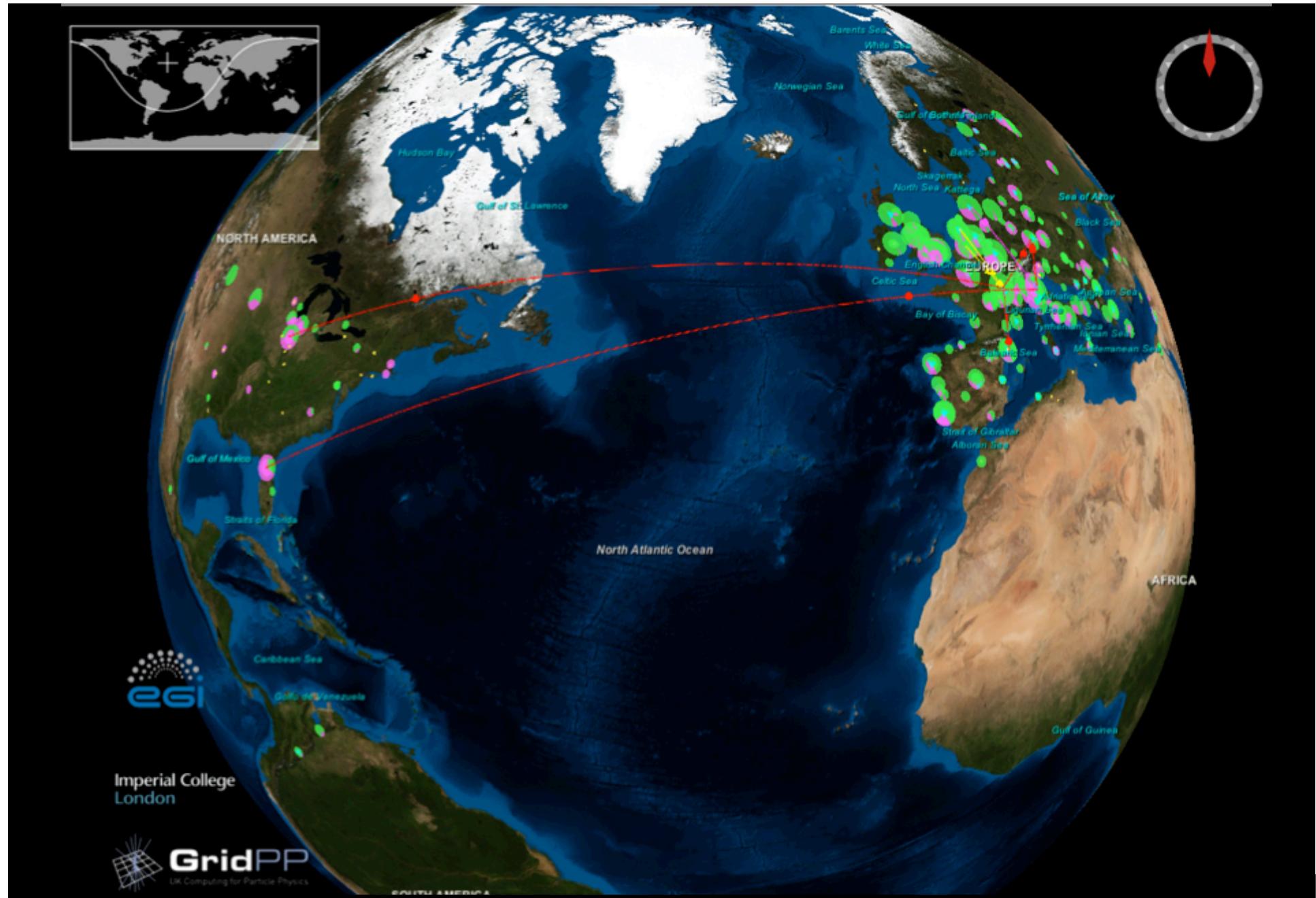
# Publishers participating in SCOAP<sup>3</sup>



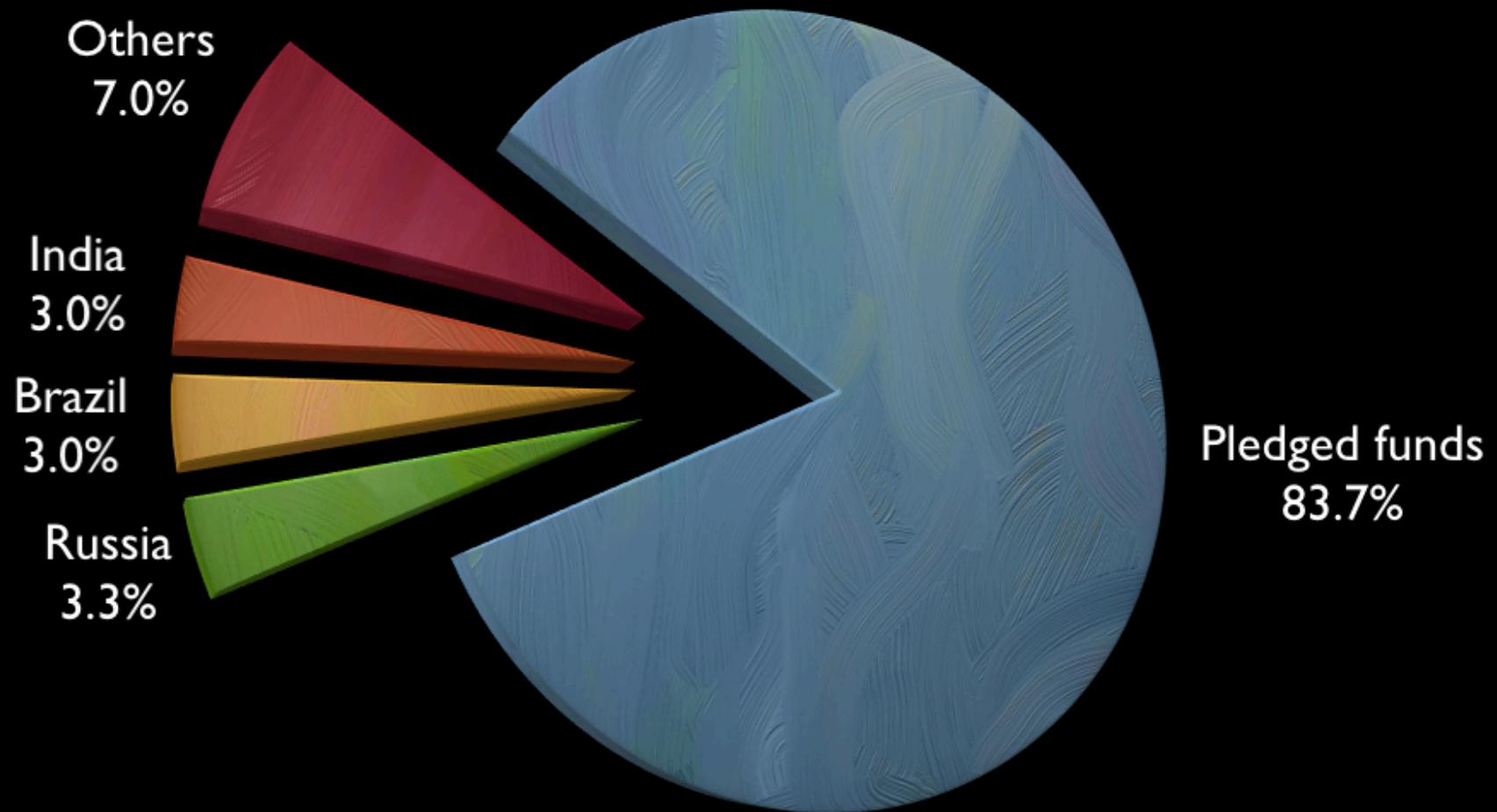
JAGIELLONIAN  
UNIVERSITY  
IN KRAKOW

# **SCOAP3**

## **Next steps**



# Global network: National Contact Points (NCP)



Explore further partnerships



Existing formal agreements with publishers:  
reduce subscriptions to allow re-directions.  
Calculations and “reconciliation” now ongoing

# SCOAP<sup>3</sup> timeline: a voyage of co-operation

- 2005 Consultation within the HEP community
- 2006 Internal consensus on the SCOAP<sup>3</sup> idea
- 2007 Design the business model
- 2008-2010 Build worldwide consensus and pledges
- 2011 Go-ahead decision, start tender process
- 2012 Conclude tender, establish consortium
- 2013 Reconciliation of reductions, sign contracts
- 2014 Start operation**
- 2015 Design next tender process
- 2016 Next tender process, new contracts
- 2017 Start second cycle



# SCOAP3 synergies

# Synergy with current author-rights discussions

Widespread, competitive, acceptance of  
CC-BY licenses both among authors and  
within the publishing community

SCOAP3 will be © authors and published  
under CC-BY



# SCOAP<sup>3</sup> & INSPIRE – a perfect symbiosis



The screenshot shows the INSPIRE homepage with the following elements:

- Logo:** The word "INSPIRE" in blue with a yellow circular particle physics icon to the right.
- Welcome message:** "Welcome to INSPIRE! INSPIRE is out of beta and ready to replace SPIRES. SPIRES will be switched off on 1st January 2014. Please send feedback to [feedback@inspirehep.net](mailto:feedback@inspirehep.net)".
- Navigation menu:** HEP :: HEPNAMES :: INSTITUTIONS :: CONFERENCES :: JOBS :: HELP
- Search interface:** A search bar with the placeholder "find j \"Phys.Rev.Lett.,105\" :: [more](#)". To the right are buttons for "Brief format", "Search", "Easy Search", and "Advanced Search".
- How to Search section:** A box containing examples of SPIRES syntax and new search techniques, along with links for "More search tips" and "full help". Examples include:
  - SPIRES syntax is (mostly) supported (requires "find")  
find a richter, b and t quark and date > 1984
  - find j phys.rev.,D50,1140 or j jhep,0903,112
  - find eprint arxiv:1007.5048 (Note the plots and tables in the arXiv version)
  - find fulltext "quark-gluon plasma" (Note new search interface)
  - find a ellis and refersto a witten (Note "refersto" command)
  - find a kane and citedby title SUSY and topNew techniques:
  - 1985 richter quark multiplicity
  - arXiv:1007.5048
  - citedby:author:ellis -refersto:author:witten
  - author:randall | author:sundrum cited:450Additional Help:
  - [More search tips](#) and [full help](#)
- Text overlay:** Inside a white box on the right side, there is a summary of INSPIRE's features:
  - Inspire contains ~50 years of data
  - Adds up to nearly 1M records
  - Maintains citation records
  - Will ingest all SCOAP<sup>3</sup> content
  - SCOAP<sup>3</sup>-feed to institutional repositories

# Synergy with discipline repository

Articles in broadband journals are covered by SCOAP<sup>3</sup> only if they are submitted by the authors to arXiv under the HEP categories before publication:

Further encourage Green



Cornell University  
Library

arXiv.org

Most important synergy:  
overall collaboration between  
all partners

*libraries*

*publishers*

funding agencies, research organizations

