

# Open Access at CERN status and vision

Jens Vigen, CERN

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From practice to impact

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# Status (I)

## The official framework is in place

- OA culture established some 50 years ago
- Signed the Berlin Declaration
- Official mandate in place “since ever”
  - Administrative Circular No. 29
  - Replaced by Operational Circular No. 6
  - Further stressed by various additional policy documents
- But ...

# Status (II)

## ... do authors submit?

Author efforts

A quick reality check on the annual production:

1. ~250 theoretical papers, we capture 0% (!!)
2. ~500 theses, we capture 10% (world average ...)
3. ~50 experimental papers, we capture 90%

Library efforts

How can this be compensated for?

1. Import from arXiv ensures 100% coverage for theory
2. Individually e-mailing authors retrospectively, brings the coverage up to 30%, even for theses dating 10 years back
3. Check for CERN authors in publishers feeds, contact the research group or import publishers' version when permitted

# Status (III)

## Ensuring green OA - promoting gold

### Library efforts

1. Targeted action: 11'000 theoretical articles over 54 years
  - Old copies of manuscripts retrieved and scanned from the CERN Archive and private archives of the authors
2. Hunt for theses
3. Encouraging submission to OA journals
  - Special deal for some journals
    - JHEP&JINST, everything originating from CERN is published OA for a symbolic sum
    - NJP, CERN supports authors with the payment of the publication fees
    - PRSTAB, sponsorship ensuring OA without author fees
4. Encouraging conference organizers to use OA outlet for proceedings
5. Preparing SCOAP<sup>3</sup>

# CERN IR 3/4 full; lessons learned

## Mandating and advocacy have limits:

- “Top-scientists” tend to ignore both “mandating” and “mandated” librarians
- Authors need to see an immediate return from their time investment
- Authors get this return (visibility, standing) by submitting to subject repositories, *i.e.* arXiv
- They do not get this in the HEP-sub communities where arXiv is less important, and we lose the content ...
- We observe a different situation for thesis: authors perceive that the IR offers a good preservation, and they are glad to submit theses once asked

# Which are the incentives to use a repository for authors?

- Get what they want... to motivate them to go there
- So, give them what they want; tech-push do rarely attract users while user-pull builds communities
- What do they want?



# Aiming for 100% OA coverage

- Institutional and subject repositories goes hand in hand. Ensure interoperability and co-operate to develop the services required by all the partners
- Capture non-submitted papers by:
  - Monitoring publisher feeds
    - In order to be discovered publishers have a strong interest to feed subject repositories
  - Working with OA friendly publishers
    - Allowing storage on institutional web sites
      - In physics: SISSA/IOPP, AIP, APS and IEEE
- SCOAP<sup>3</sup>
  - The participating publishers will be bound by contract to fill the subject repository with OA content that can be further exported to any institutional infrastructure