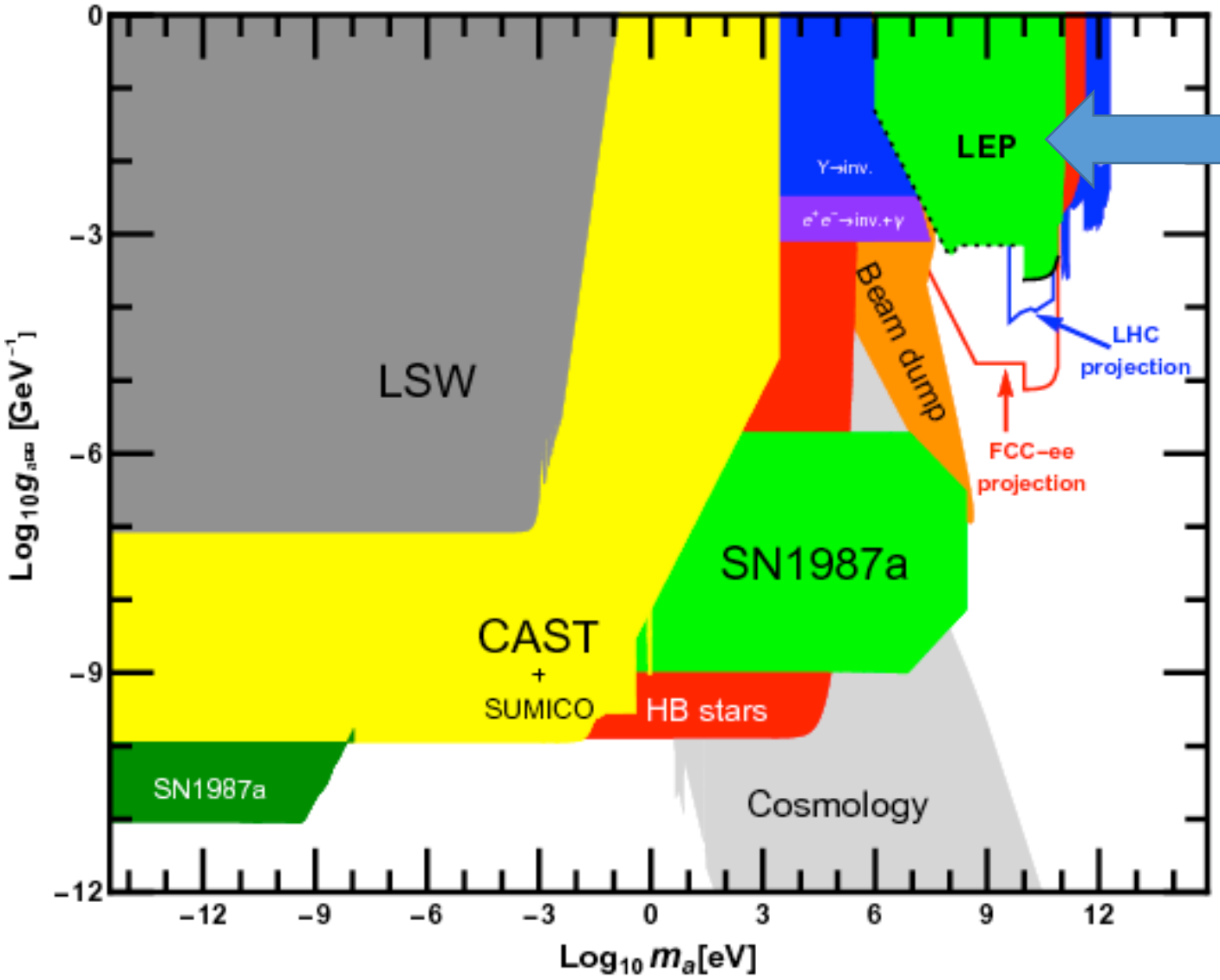
Thoughts on Data Preservation

Frank Berghaus

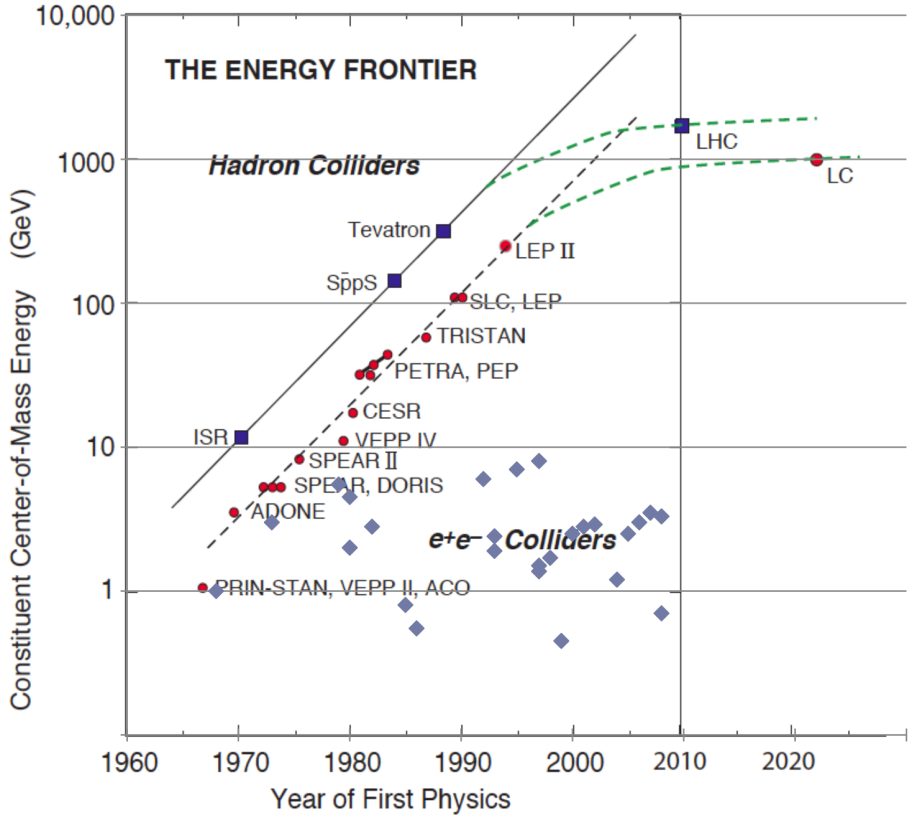
Because our children’s children just need to see some things



Our data may be useful in the future

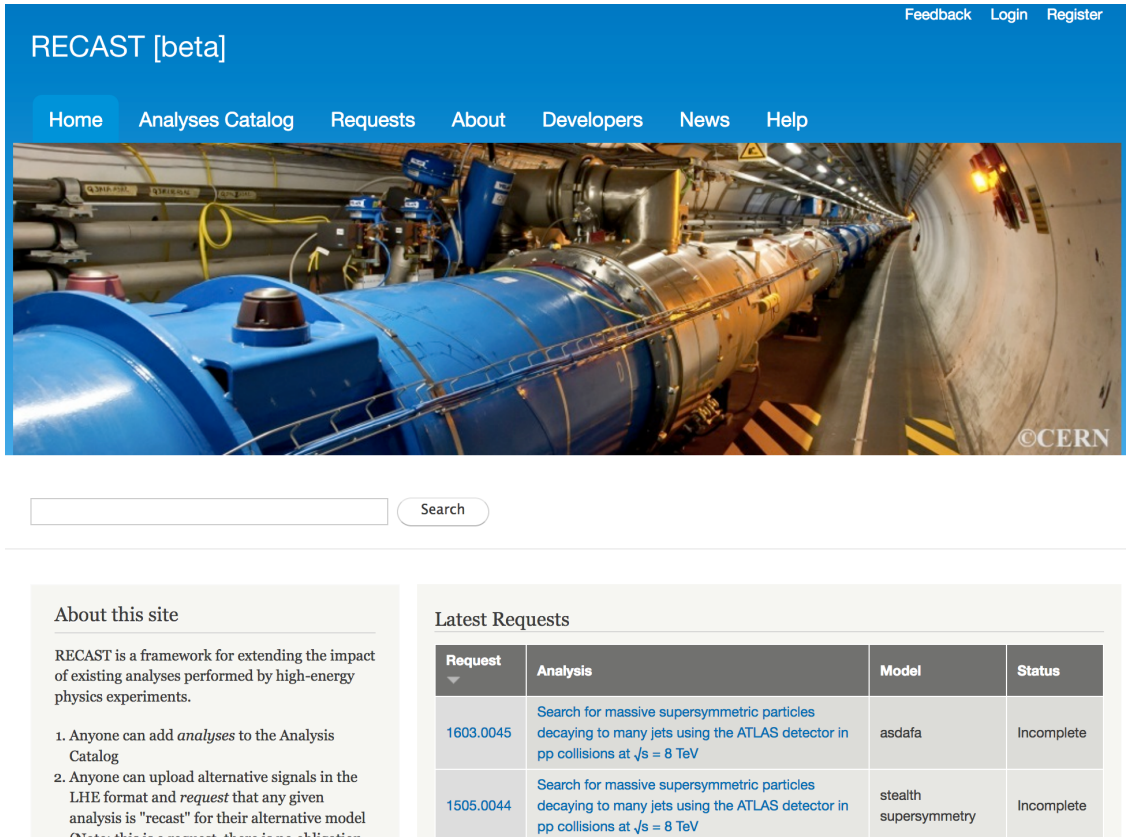
Phys.Lett. B753 (2016) 482-487
dx.doi.org/10.1016/j.physletb.2015.12.037

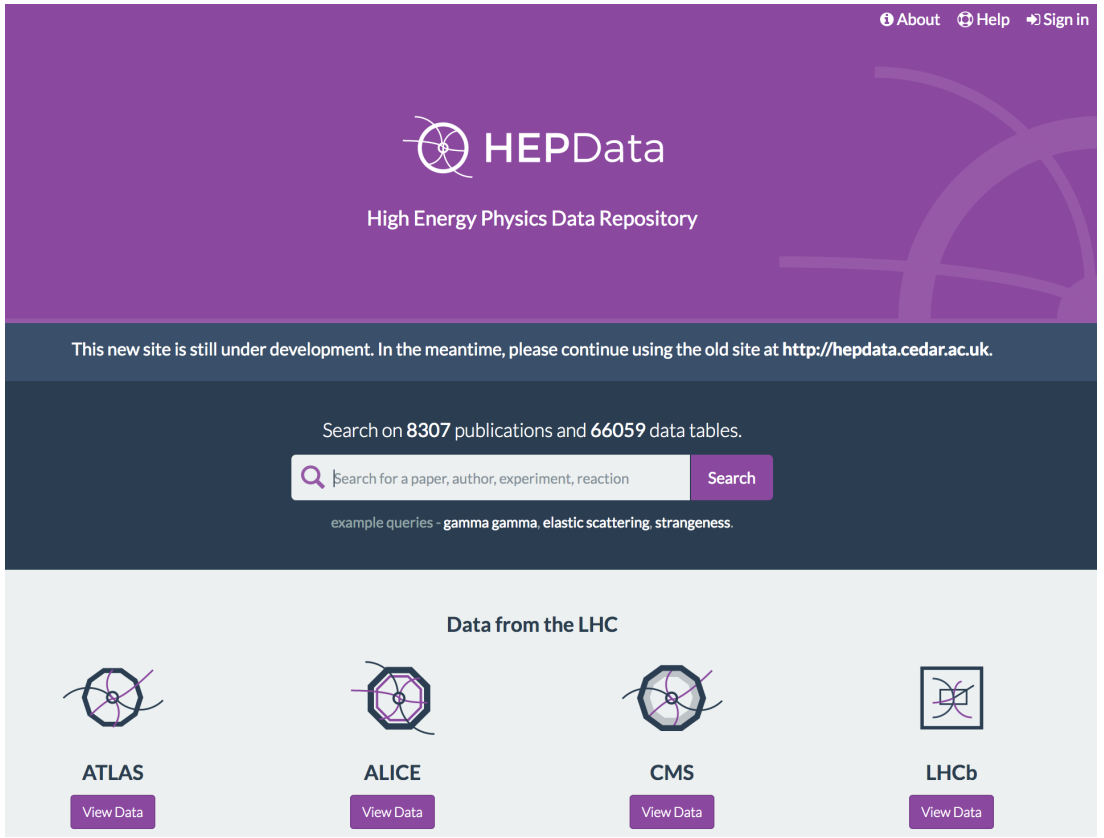
HEP data are measurements



Jordan Nash; IOP2010; talk

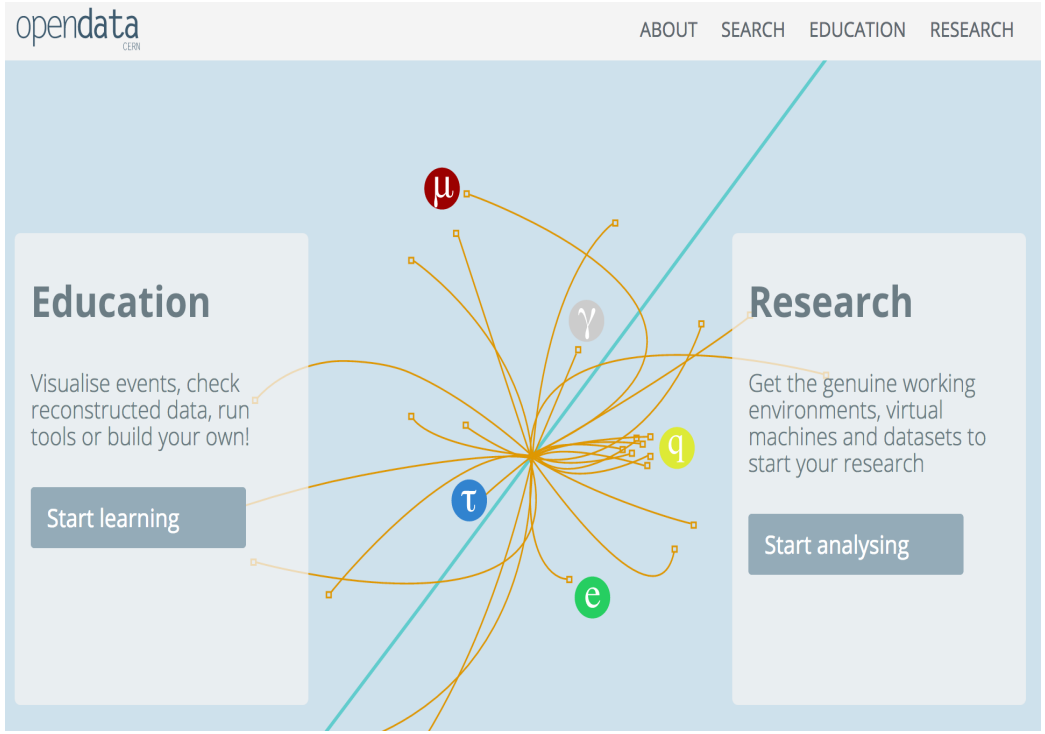
RECAST and HEPData





But we can do better?

Share the Data

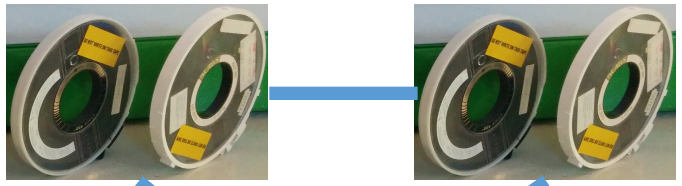


CERN Open Data Portal (link)

And preserve the Software

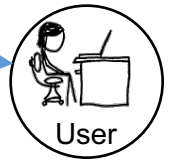
CERN Analysis Preservation

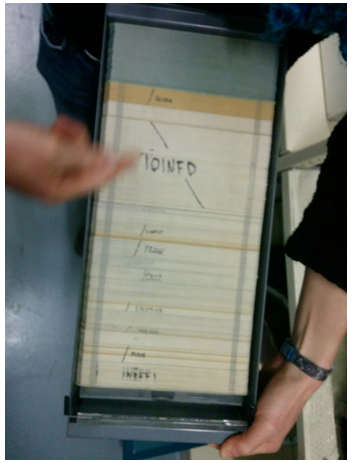
Using our Data

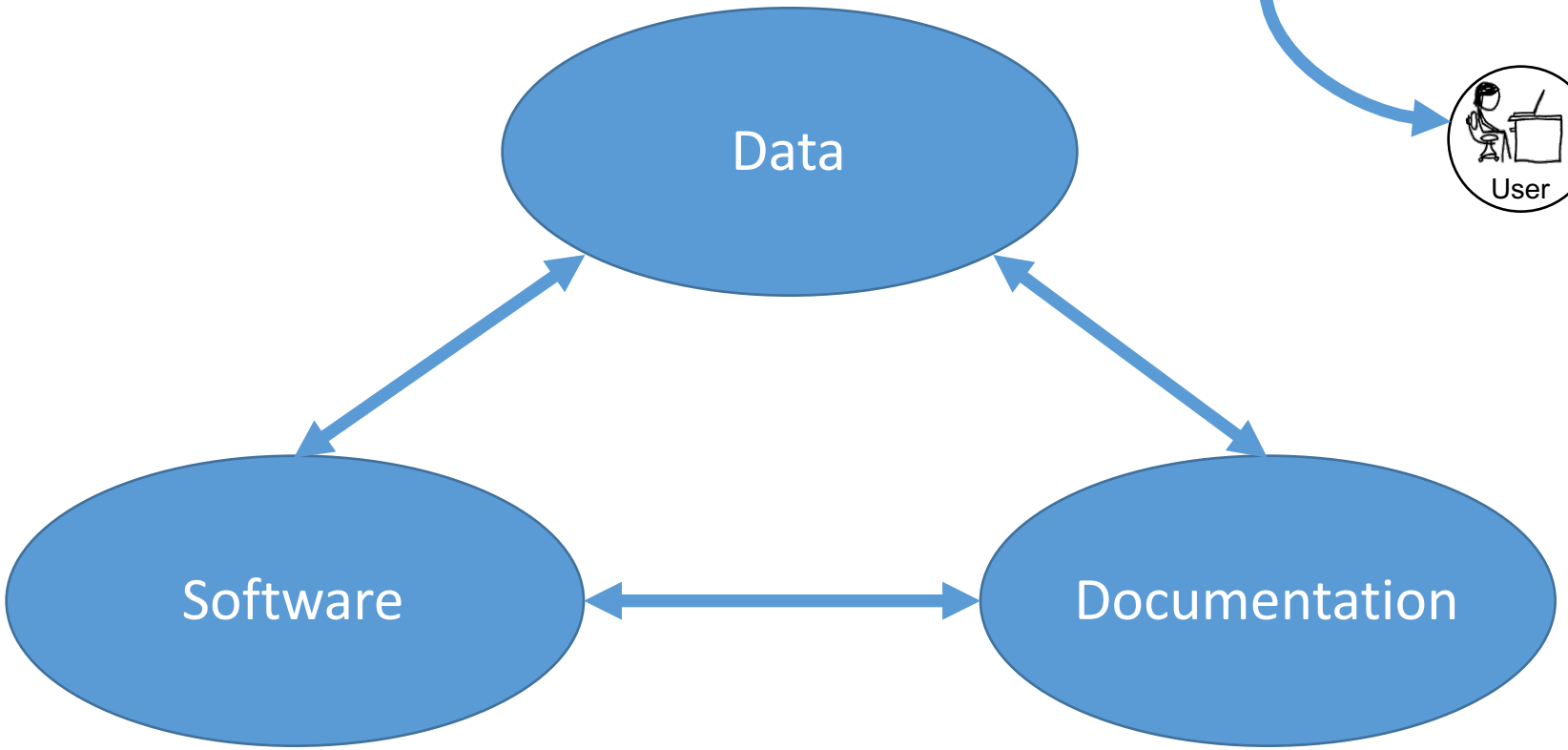


CASTOR
CERN Advanced STORage manager

EOS





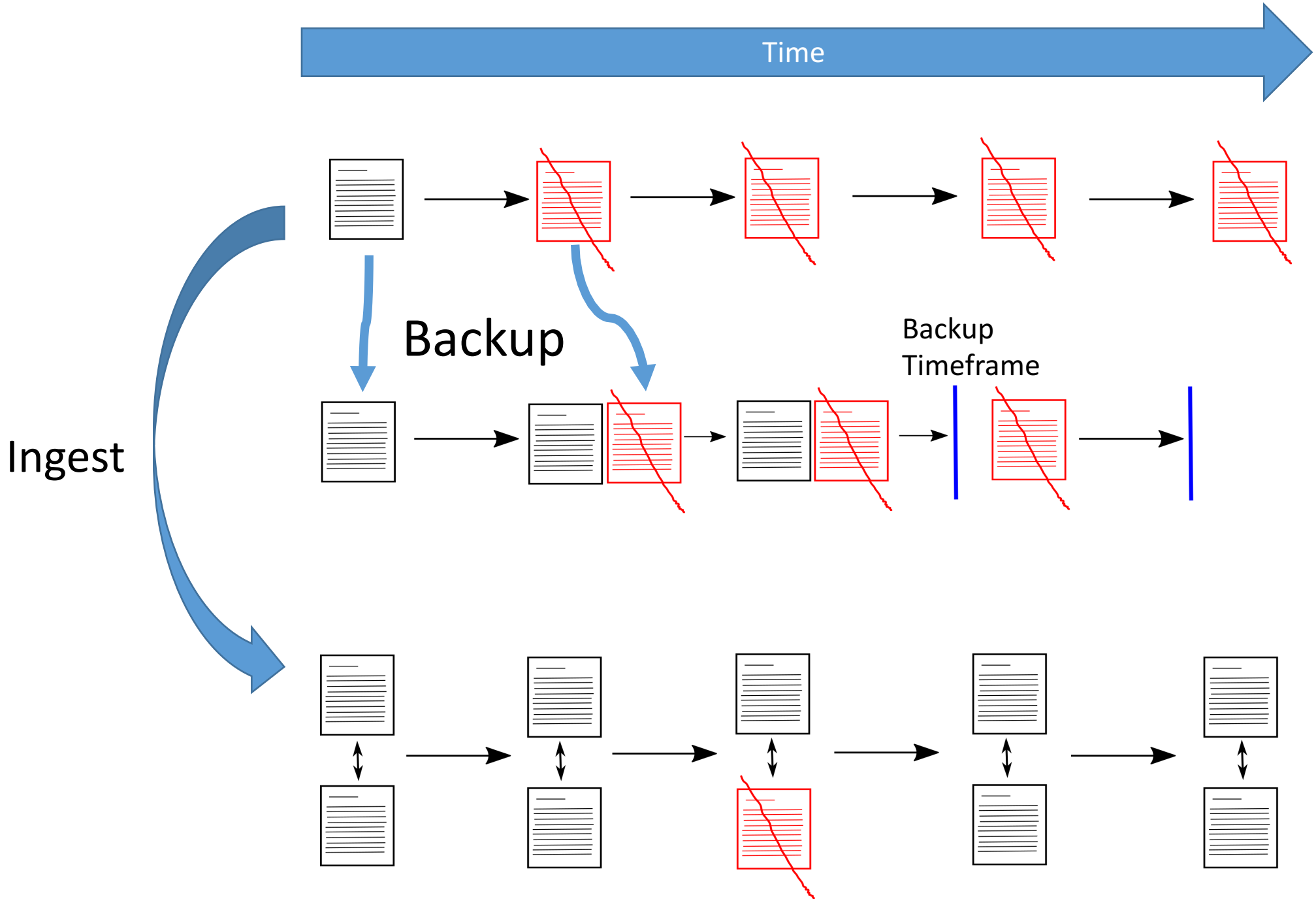


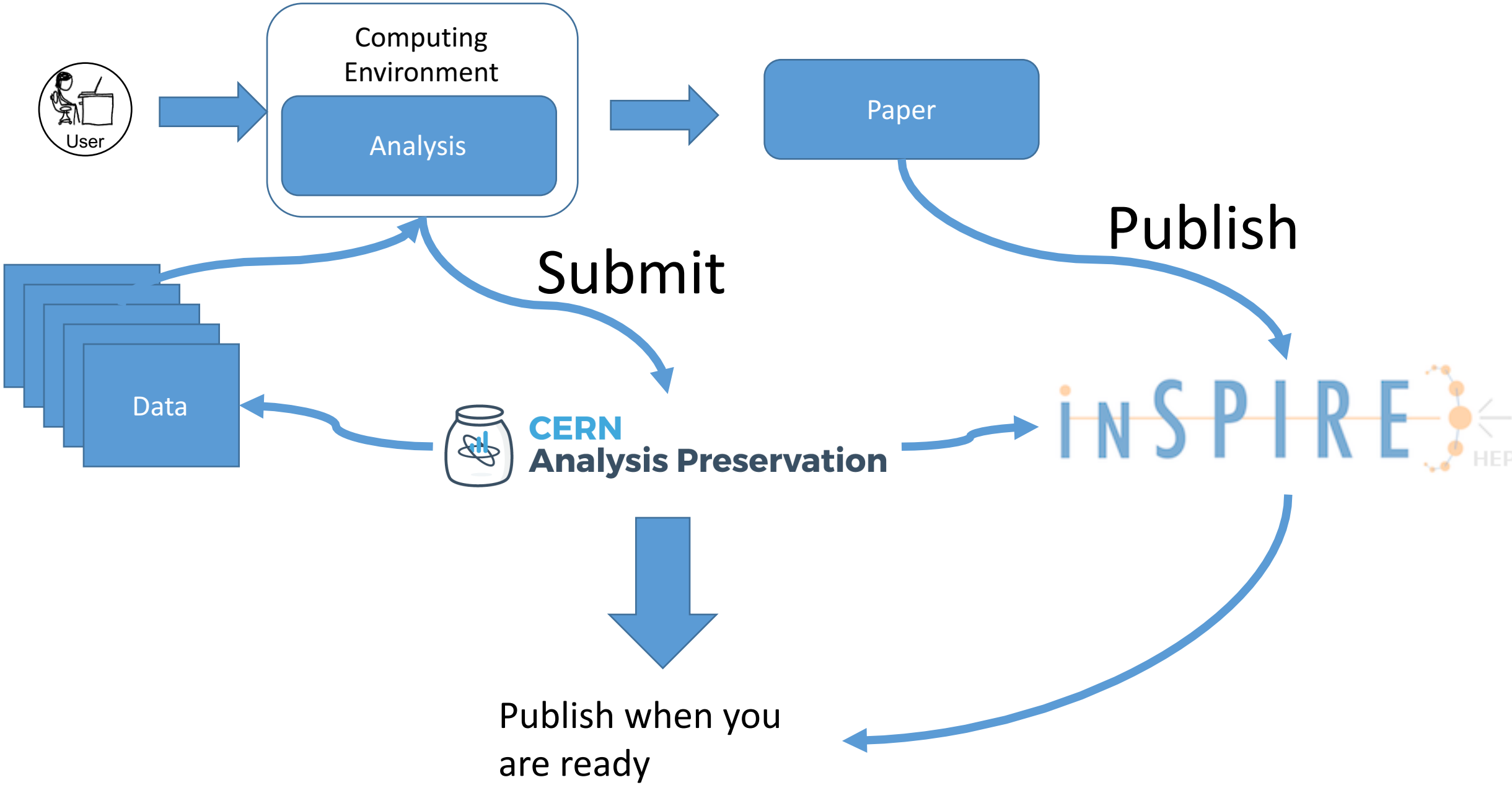
CDS

CernVM
Software Appliance

docker

zenodo


Time
Backup
Backup
Timeframe
Ingest


User
Computing Environment
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Submit
Data
CERN
Analysis Preservation
INSPIRE
HEP
Publish when you are ready

In praise of FOSS

- Use Open and Free Software
- Access to the source:
  - Sufficiently motivated person can make it work
- Proprietary software:
  - Your interest in your data may outlive the company

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