

# What do we do for our users?

New services for the research and learning communities  
at a research university

# «THE LIBRARY'S FIELDS OF ACTION» FOR THE NEXT 5 YEARS: ACCORDING TO THE UNIVERSITY' STRATEGY

- information resources in electronic format
- access must be highly integrated
- Where are the cutting points from library work to systems/applications within research and teaching
- «user-friendly» services
- infrastructure/services for research and teaching
- «integration» of the university's «non-textual collections»
- improvement of the spatial conditions of the library and the collections

# «FIELDS OF ACTION»: SELECTION OF FORMER, RECENT AND FUTURE ACTIVITIES (I)

- «Knowledge Portal»  
a portal application as single-point-of-access to more or less all library services
- BIBonMAP  
platform for map-based presentation of library content
- Office for a nation-wide registering of DOIs
- ETH E-collection  
institutional repository for university-own electronic documents
- E-pics  
campus-wide, interactive picture platform system
- Retro.seals.ch
- platform for retro-digitized scientific journals (Focus: Switzerland)

# «FIELDS OF ACTION»: SELECTION OF FORMER, RECENT AND FUTURE ACTIVITIES (II)

- **E-pics**  
campus-wide, interactive picture platform system
- **Retro.seals.ch**  
platform for retro-digitized scientific journals (Focus: Switzerland)
- **E-rara.ch**  
Platform for digitized prints from 16. to 19. century

# THE ULTIMATELY GOAL OF ALL THESE ACTIVITIES IS....

- ....supporting science, research and teaching with qualified and enhanced information,
- ....in a way, which represents an evident added value.

# TWO EXAMPLES

- Project «Data curation»  
(primarily for the own science community)
- Project E-lending  
(primarily for external users)

# PROJECT «DATA CURATION»

- The more electronic data is produced by scientists during their research, the more comes up the question, what happens with these data in the long run
- Who is responsible for taking care of these data with an academic environment?
- Is this a task for academic libraries?
- Can this be done by a single institution?

# RESEARCH DATA: BACKGROUND (I)

## Challenges

- Research process as a whole relies on digital data
- Data can only be used in a defined technical environment, which usually remains stable for only a few years
- Good scientific practice requires retention of data for verification
- Funding organisations require data management plans

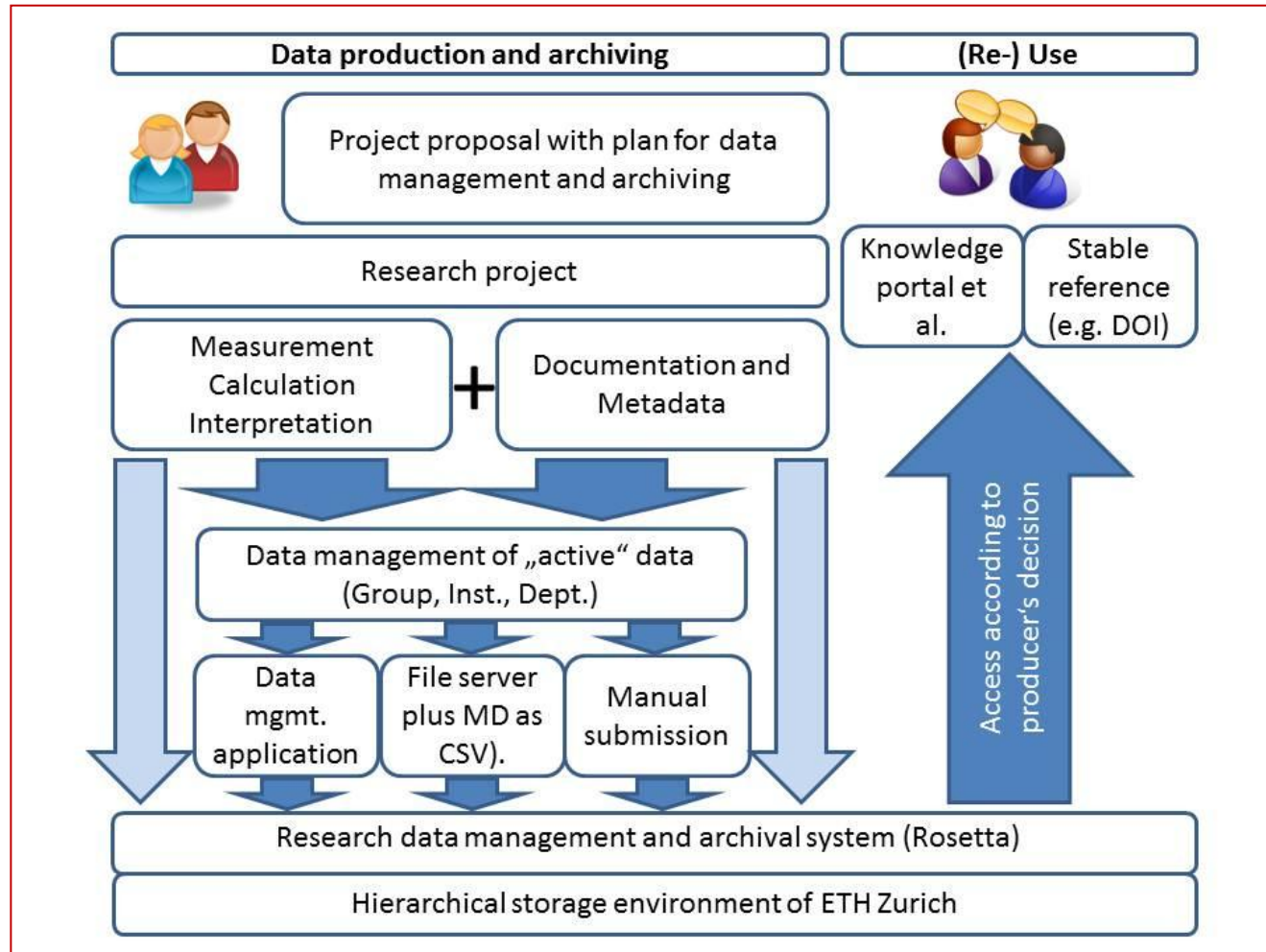


# RESEARCH DATA: BACKGROUND (II)

## Challenges

- re-use of data should be facilitated
- data which cannot easily be reproduced and has permanent relevance must remain available
- published or referenced supplementary material to publications must be citable and remain available
- researchers want to retain control of their data

# VISION: THE USER'S POINT OF VIEW



# RESULTS OF A SURVEY ABOUT THE USER NEEDS

80% of all interviewed scientists agree, that «data curation» of research data is a relevant topic, but...

researchers...

- want to keep complete control, who has and can have access to their data,
- need the possibility to re-structure and select, to add documentations and legally important documents before the ingest,
- need the possibility to edit metadata and to add data to a running test series,
- are interested in qualified support within the process of preservation and quality control (checklists, comments to metadata...).

## ETH Archives

- University Archives operated by ETH Libraries
- Legal obligation to archive digital administrative records
- Hierarchical content structure managed in existing dedicated archival information system

## Library content

- Institutional repository, image collections etc.
- digitization masters
- other materials belonging to ETH's scientific heritage
- **Excluded: Licensed content (E-Journals, E-Books)**

# CO-OPERATION: ROLES AND ROLE ALLOCATION

- **ETH Libraries**
  - “Digital Curation”: Data management and long-term archiving
  - maintenance of the technical readability (preservation) by monitoring and active procedures (application “Rosetta”)
  - if existing in the case of delivery: Preservation of the content-related interpretability (i.e.: the context)
- **university’s IT services**
  - Operation and management of the storage infrastructure
  - “Bitstream preservation”: Secure storage, duration depending upon requirements
  - auditing-secure storage according to legal rules (SAP-Module)

# INTEGRATION WITH PRIMO

## Primo

- no current use case with research data (but expected)
  - if published, access will currently run via DOI
- ETH Archives' content published to Primo from archival information system (CMI Star)
  - Primo links to CMI Star for complete metadata
  - CMI Star links into Rosetta via DOI
- Library content: Rosetta holds «dark archive»
  - Primo links into public applications, not into Rosetta

# INTEGRATION WITH ALEPH

## Aleph

- Aleph catalog serves as metadata master for library content
- metadata of institutional repository is exported from Aleph and merged with digital objects to form Archival Information Packages (AIP) in Rosetta
  - automated process via submission application
- research data will not be indexed in Aleph

# PILOT PROJECTS

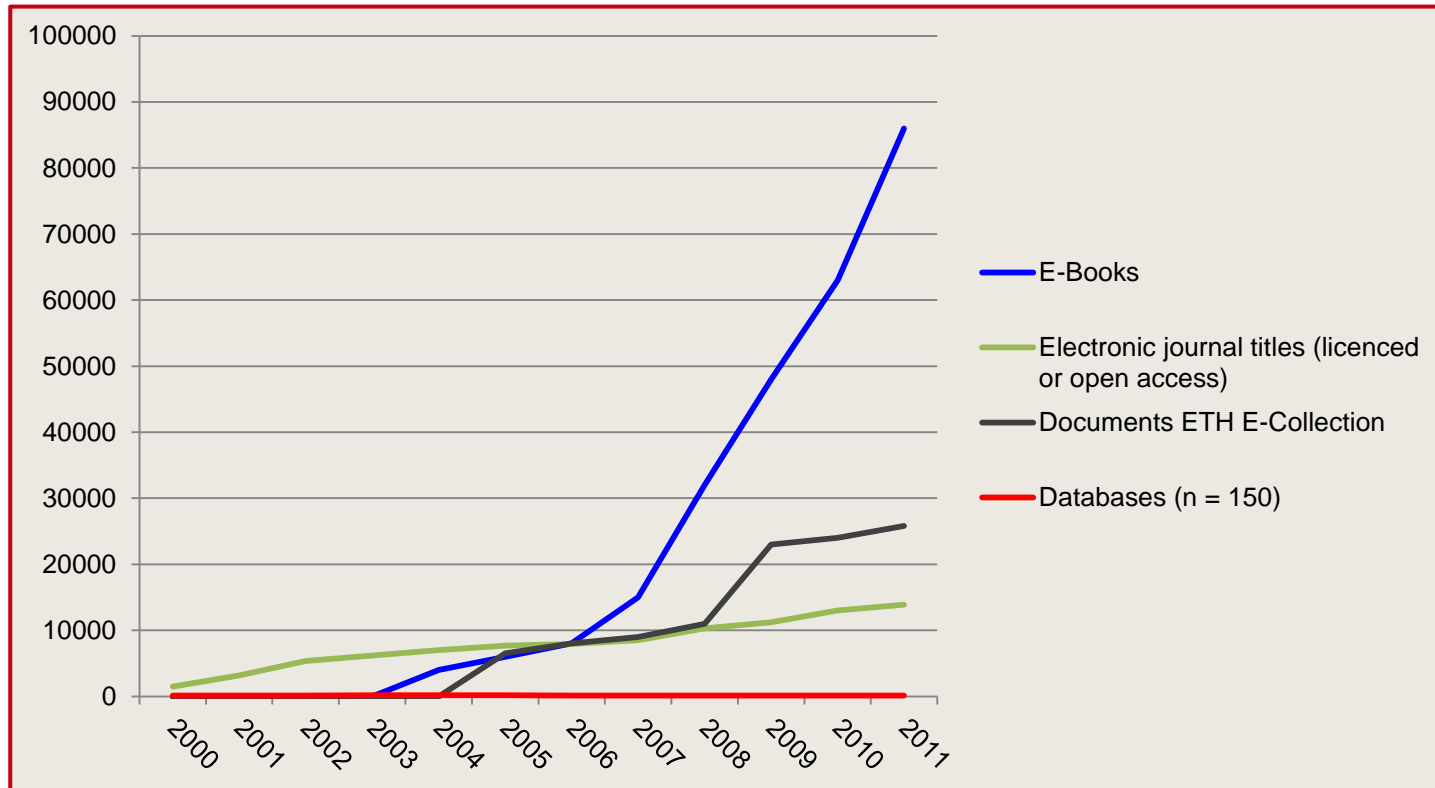
- in four research groups in the environmental sciences, in pharmaceuticals and in physics
- Different concepts:
  - publication manuscript to be archived with related experimental data
  - datasets from surveys and experiments to be archived as raw data for subsequent work of the whole group
  - publication of datasets for review when preprint is published
- approach:
  - understanding workflows and create mock up screens of each step
  - derive technical and organisational requirements
  - analyse requirements and gaps with software vendor
  - discuss enhancements and additional tools with researchers
- testing begins in autumn 2012



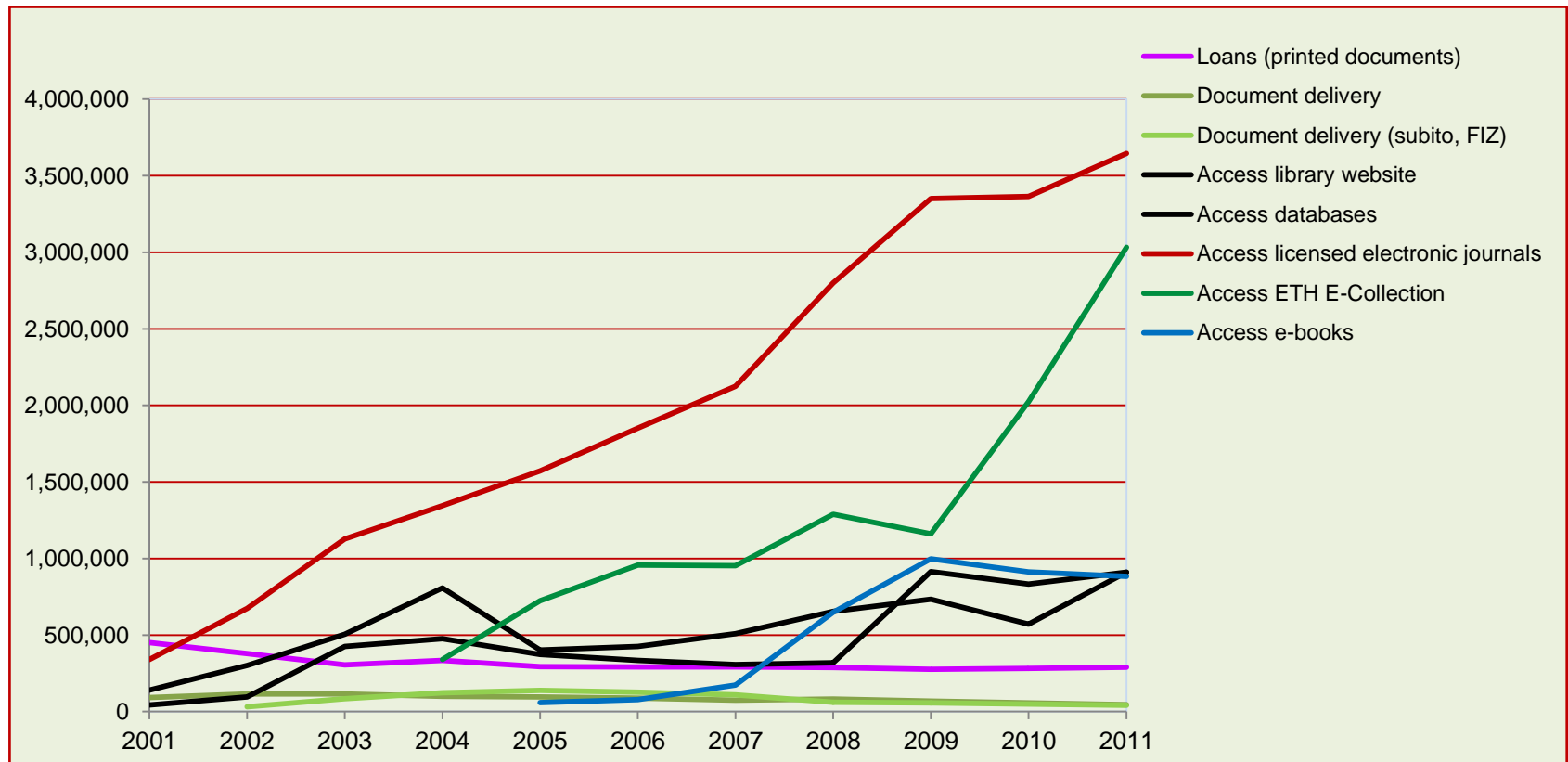
# PROJECT E-LENDING: THE PROJECT REASON

- availability and use of electronic resources is heavily increasing

# HOLDINGS OF ELECTRONIC PRODUCTS



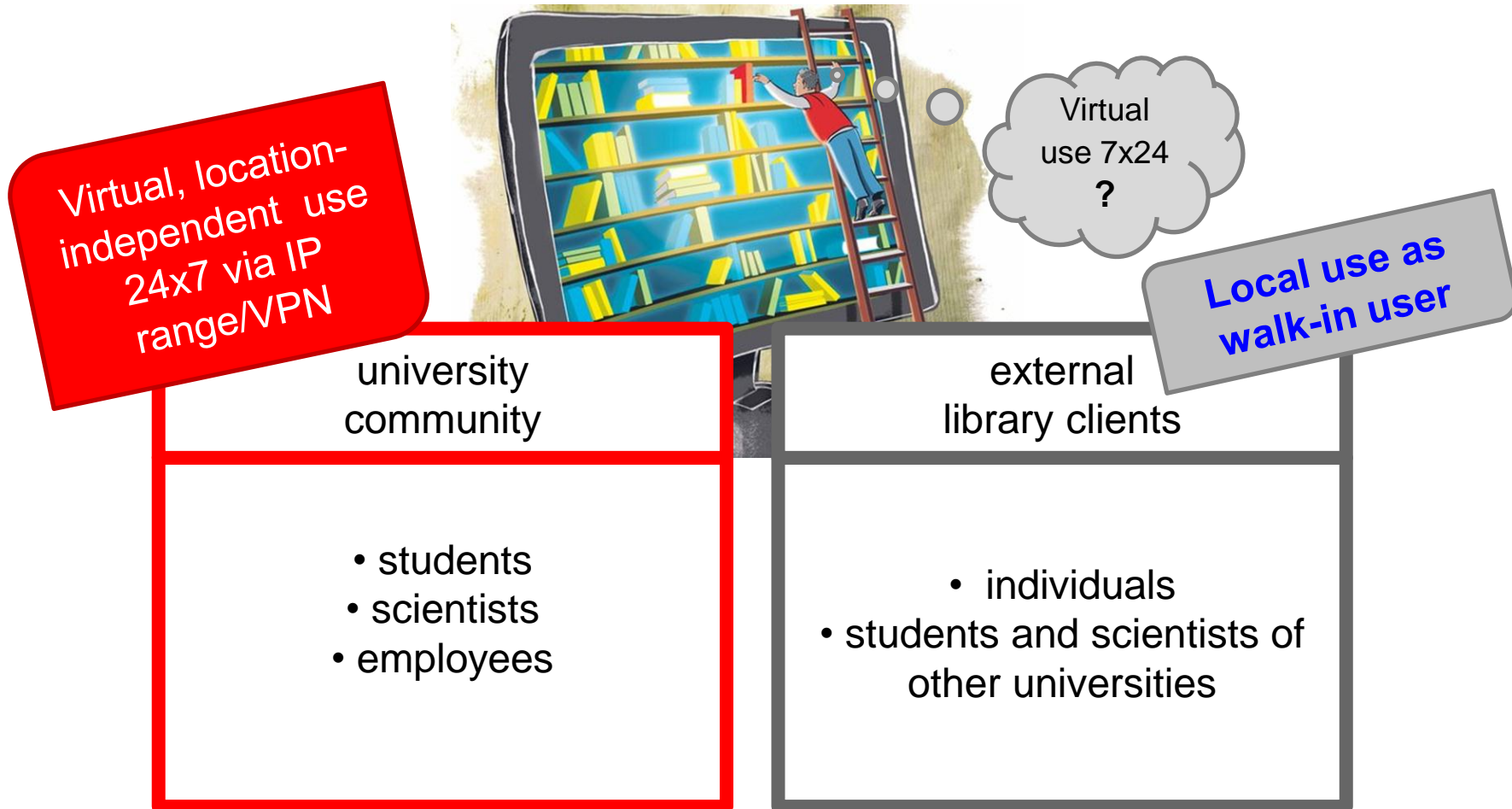
# USE OF ELECTRONIC PRODUCTS AND SERVICES



# PROJECT E-LENDING: THE PROJECT REASON

- availability and use of electronic resources is heavily increasing
- public contract of ETH Libraries
  - «The services of ETH Libraries are primarily at the ETH community's command and besides this ETH Libraries serve the other other institutions of the ETH domain and furthermore also the general public. ...»

# SITUATION TODAY: THE SHARED WORLD OF E-BOOK USE



# PROJECT GOAL

Home Dienstleistungen Ressourcen Über uns Kontakt

acoustics wood

Erweiterte Suche Suchanleitung

16 Ergebnisse sortiert nach: Relevanz

Bücher, Zeitschriften, Bilder, Videos ... Artikel (DADS) www.library.ethz.ch Seite 1 von 2 >

1 Acoustics of wood  
There are 2 versions of this item

2 Acoustics  
There are 2 versions of this item

university-external users get...

- virtual, time- and location-independent access
- to E-books, licenced by ETH Libraries
- via the «Kowledge Portal»

Books, Journals, Images, Videos... Artikel (DADS) www.library.ethz.ch

1 Acoustics of wood  
Voichita Bucur  
2006  
Online access  
There are 2 versions of this item

▲ Online resource ▼ Holdings list ▼ Locations ▼ Details

Open source in a new window Send to

Source: Acoustics of Wood [3-540-26123-0]  
yr:2006

ETH-Bibliothek Zurich provides linking services for this item:

Full Text

Full text provided by ETH-Bibliothek via Springer Link Books Biomedical and Life

NOTE: Access to subscribed journals and ebooks is restricted to users of the domain

Full text provided by ETH-Bibliothek via URL xxxxxxxx



# PROJECT CYCLE

6. 2010

12. 2010

09. 2011

04. 2013

## Phase 1 - «Outsourcing»

Evaluation aggregators for scientific literature based on:

- catalog of demands
- checkup of user friendliness by subject specialists
- comparison of titles
- checkup of further modalities

## Phase 2 - «Outsourcing Ligt» and «Inhouse»

1. Technical evaluation of the solutions «Inhouse» (library development) or «Outsourcing Light» (Co-operation with a software vendor, who provides a lending platform)
2. Negotiations with publishing houses:
  - Delivery of E-books (PDF format or Epub)
  - conditions
  - costs

## Phase 3 – Realization of a pilot application

Negotiations with aggregator (EBL)

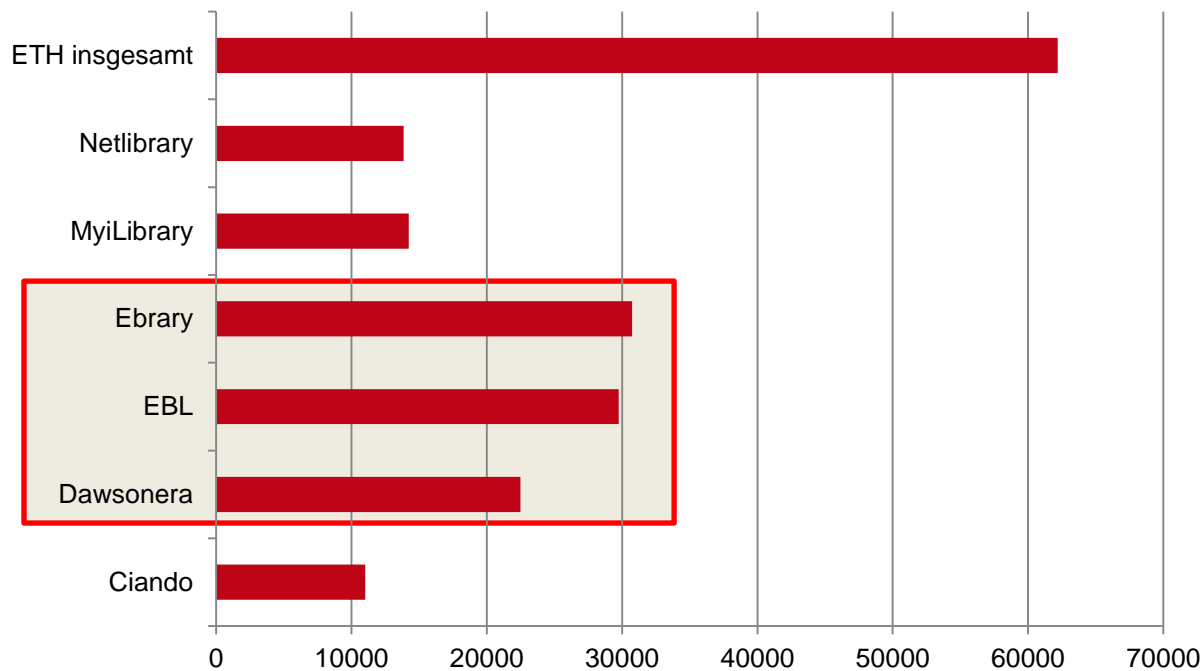
Basis: Patron Driven

Acquisition (PDA):

- Price negotiations with publishing houses by EBL
- Establishing the technical preconditions (Integrating the links into the «Knowledge Portal» Authentication with SSO)
- Preparation of a user survey
- Realization and interpretation of the pilot

# COMPARISON BETWEEN LIBRARY HOLDINGS AND TITLES FROM AGGREGATORS

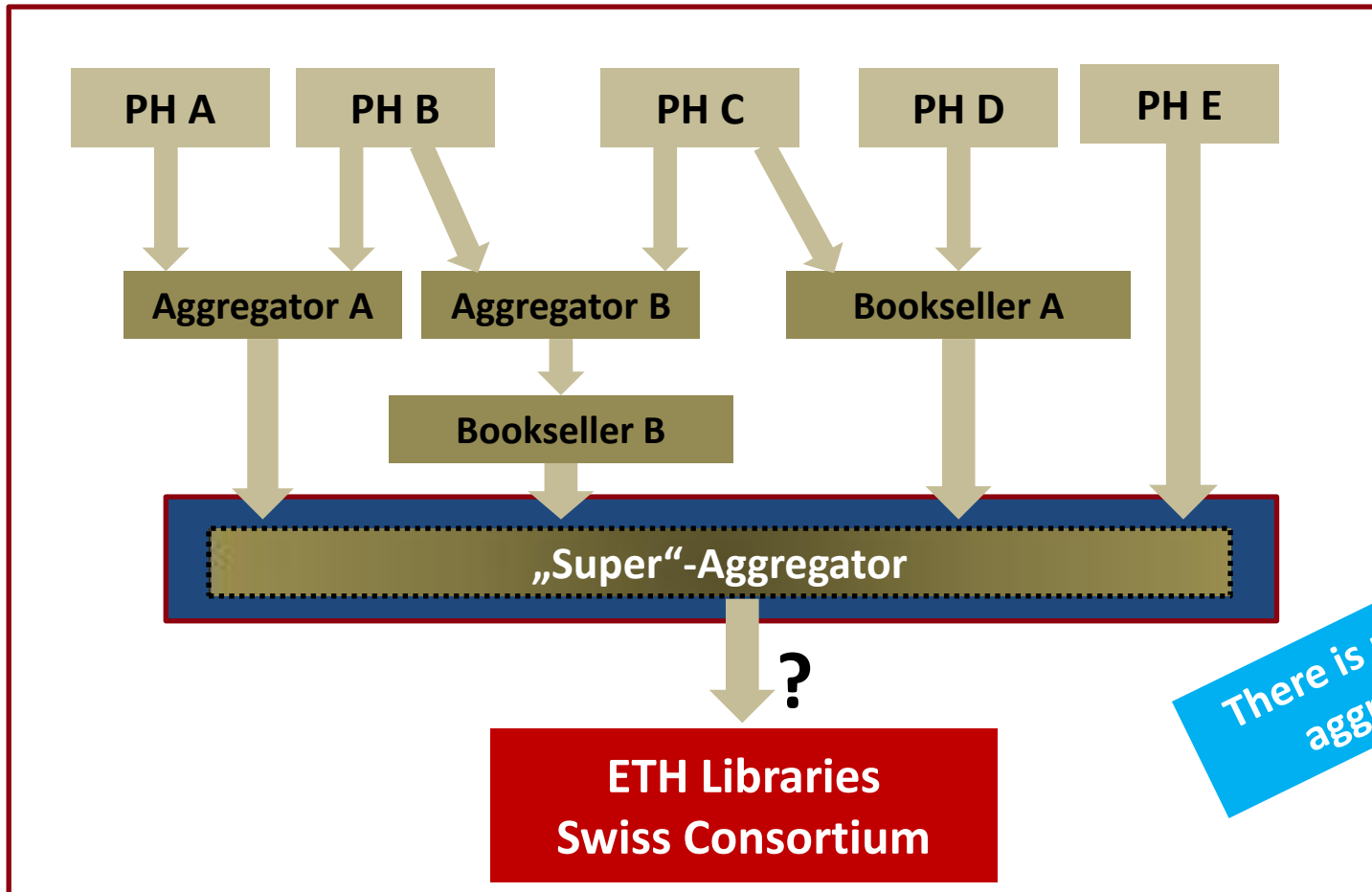
## Comparison of E-book titles



Status: December 2010



# ETH LIBRARIES AS AN AGGREGATOR?

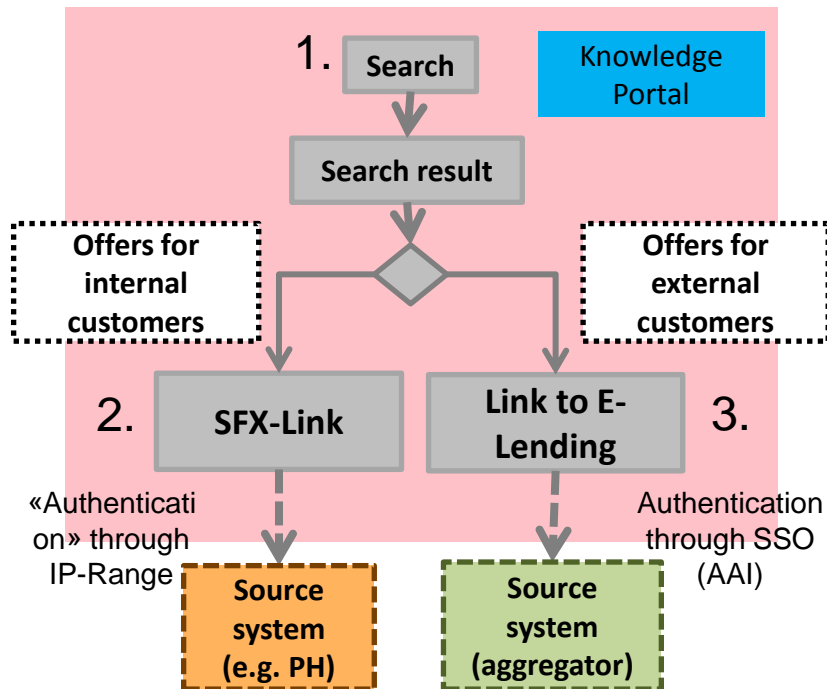


There is no super aggregator

# PROJECT CYCLE: PHASE 3

- Details of negotiations with aggregator
  - EBL talks to our top 10 vendors of E-books
  - EBL negotiates for 30% of the collection (about 30'000 titles)
  - (discussed) pilot period is 9-12 months
  - read-access should be about one week
  - our price ideas are: regular price of the E-book + 20%
  - use procedures are operated by a DRM application

# INTEGRATING THE LINKS INTO THE «KNOWLEDGE PORTAL»



1. Overall search for both user groups
2. SFX-Link for ETH members will be maintained. Access via IP identification (no login). E-books can be used (without restrictions) as customary
3. Licensing a specific offer for external users
4. Second link leads to the aggregator's platform, where the E-book can be used online, as well as offline. This use corresponds with a classical lending process (Loan period other use conditions like print and copying are ruled by a DRM system)

- these projects are integral parts of the library's «digital library concept»
- these projects are serious attempts to directly integrate user interests into library developments
- the first project is a highly complex application, which needs a deep understanding of research processes and the singularity of the academic world
- the second project asks general questions about the use of electronic information

Thank you for your attention!