

K. Zimmermann
ftw. Forschungszentrum Telekommunikation Wien

PhysDis – Electronic Dissertations in Physics

The '*European Network for thesis in physics*' **PhysDis**⁴ is a collection of available online information and full texts if offered by the author of theses and comes with a search engine for all over Europe online retrieval.

The accessed archives differ widely regarding the information offered online.

Some offer

- only a short entry per thesis like author, title, date
- short entry with additional abstract
- the online full-text but no metadata
- the correct metadata set and the full-text.

Add on value like DC metadata helps to improve the retrieval. The distributed search engine Harvest, which we use, consists of 2 parts: *Gatherers* and *Brokers*. The Software is 'public domain', a free available, open source code and can be configured to different systems and platforms. An international community fits the software to the latest developments like RDF.

PhysDis searches worldwide national libraries / projects / databases. It is divided by subject and linked through Europe: all departments, institutions, computer centers, and digital libraries in the US, too. It is now OAI compliant.

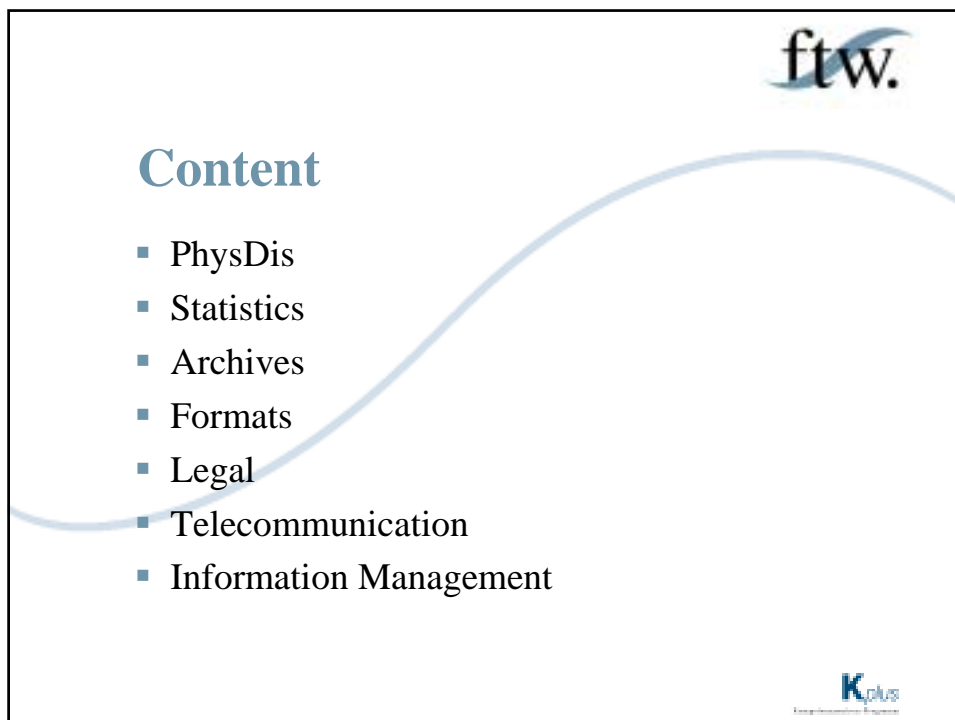
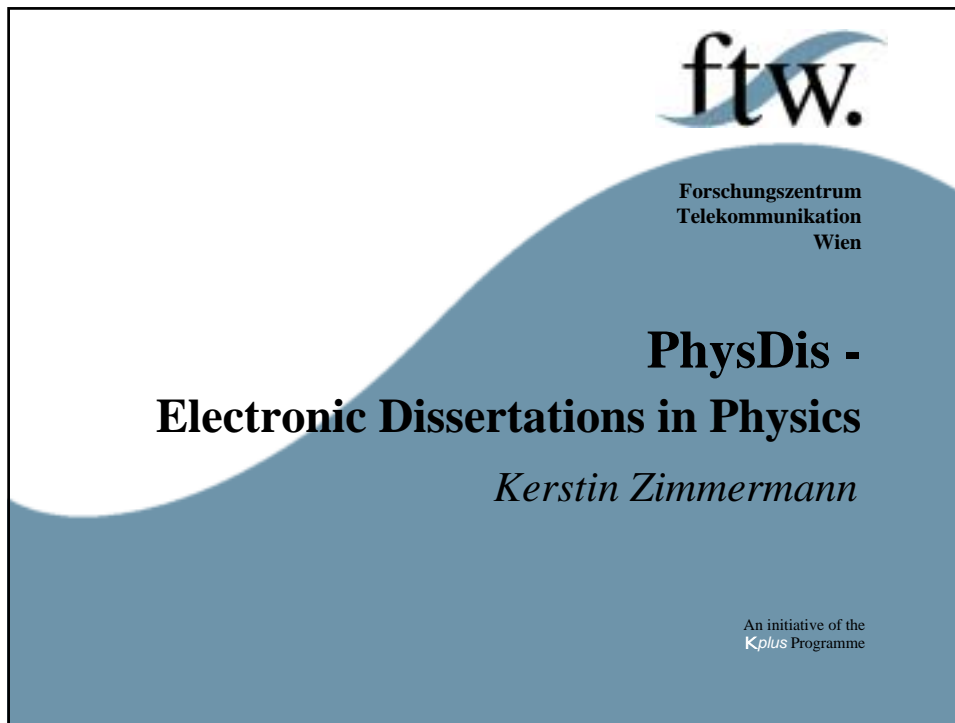
According to German law theses have to be published. This can be done by either microfiche, printed copies given to the university and from there to the national library, or an article in a professional journal, or a book by a publisher. In addition, the online distribution is accepted as a publication channel. So the University libraries or the department can act in putting the full text on their web server. The author owns the copyright, independent of who distributes it. Thus (s)he can decide on the channel to be used.

A Discussion in DC.Rights concerning the Copyright of the source / document and its metadata is going on. The aim is a copyright note for all databases in the way of (un-)restricted access / use and then quote the national law if necessary.

For further information see:

<http://www.dissonline.org>

⁴ http://elfikom.physik.uni-oldenburg.de/dissonline/PhysDis/dis_europe.html



PhysDis as subset of PhysNet

- Physics theses round the world
- Common interface for retrieval
- Distributes archives
- Integrating older ones
- Using common standards / software (OAI / HARVEST)

= > **Portal**



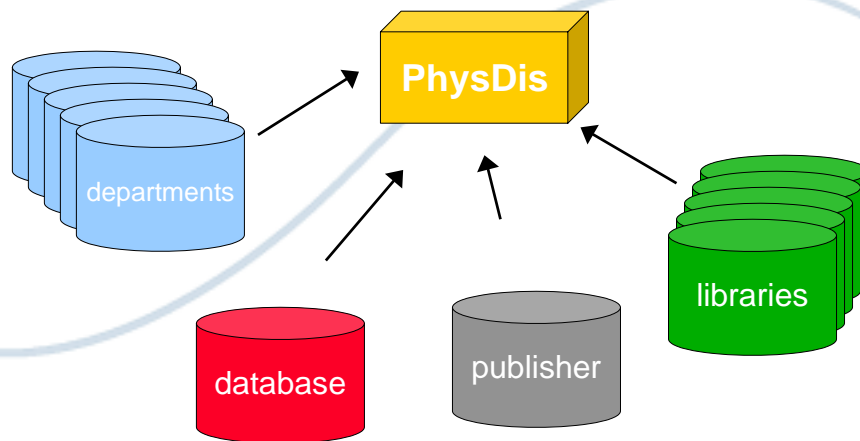
ftw.

- Kplus**
Kongressmanagement



Integrated sources

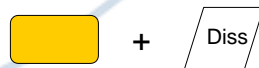
ftw.



Different archives

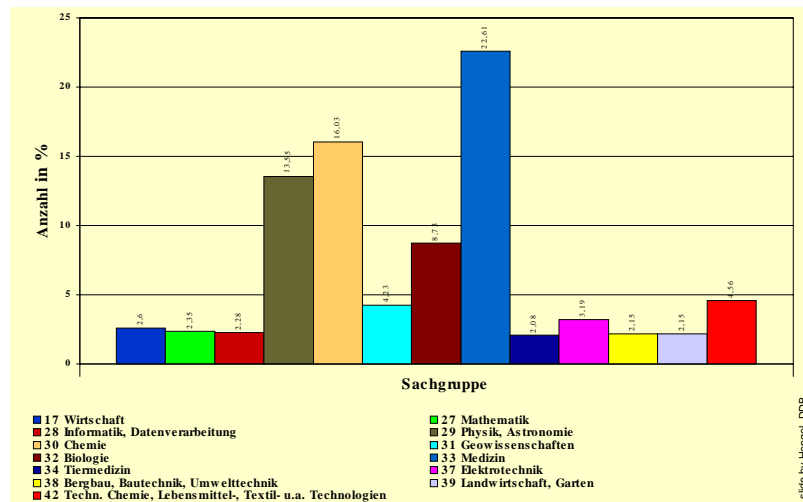
ftw.

- Lists (name, title, year)
- Lists + abstracts
- fulltext
- Metadata (incl. Abstract) with fulltext



Kplus
Kooperationsprojekt

Theses per Learned Field



Indexed formats



- sgml / XML archiving
- Html / ps /pdf presentation
- Doc / rtf / tex original data
- Metadata



Legal Aspects



- Copyright statement
- Discussion in DC.Rights



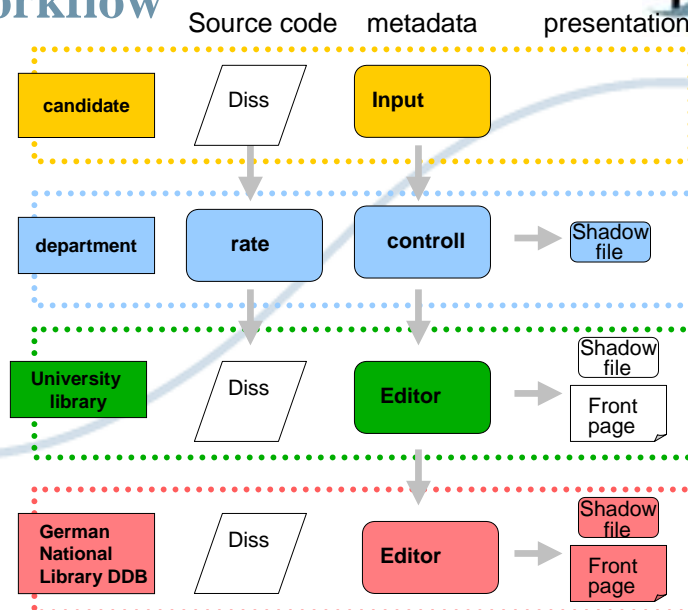
- Relevant metadata like

DC.contributor.referee
 .advisor
 .corporated.name

DC.date.submitted
 .created
 .accepted



Workflow



Part of project DissOnline

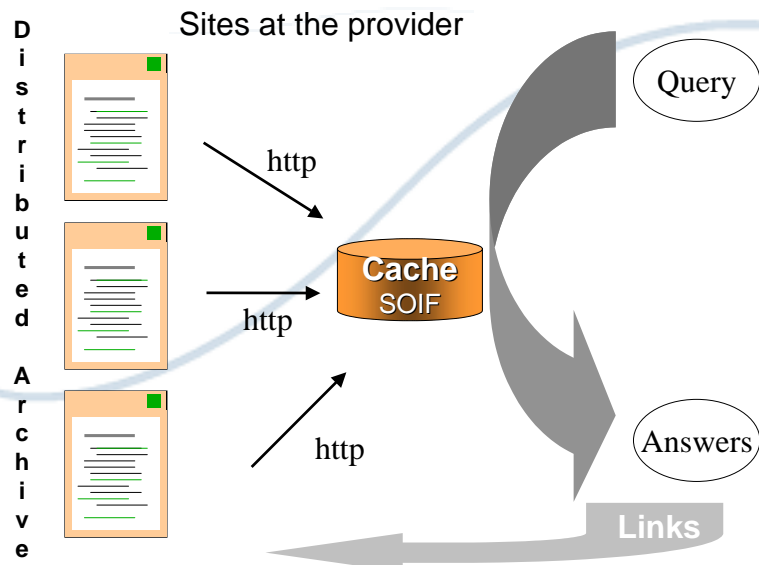


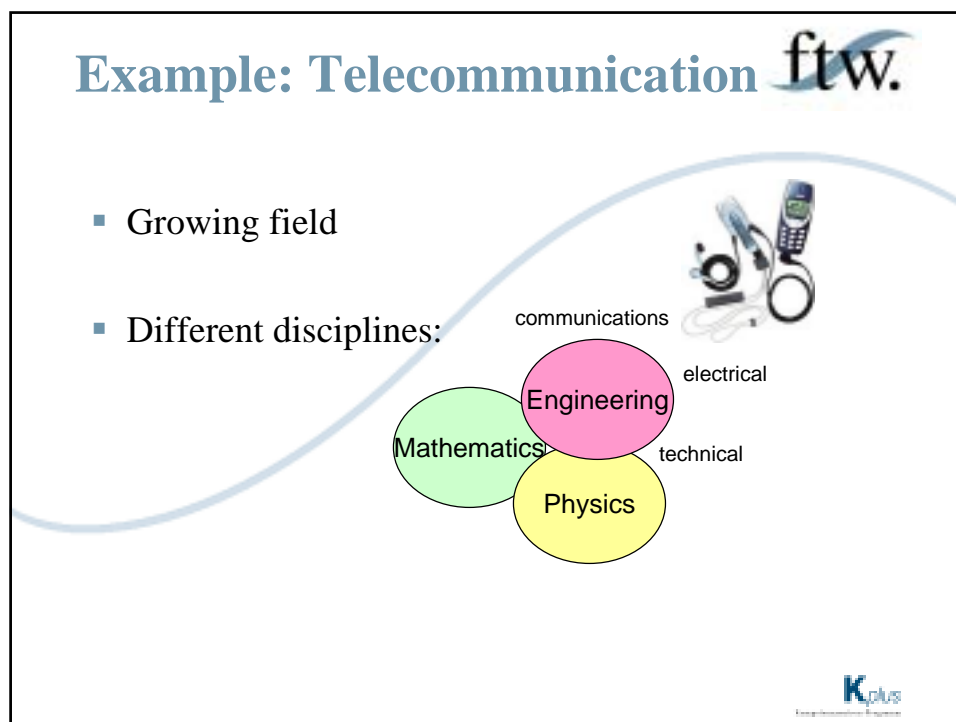
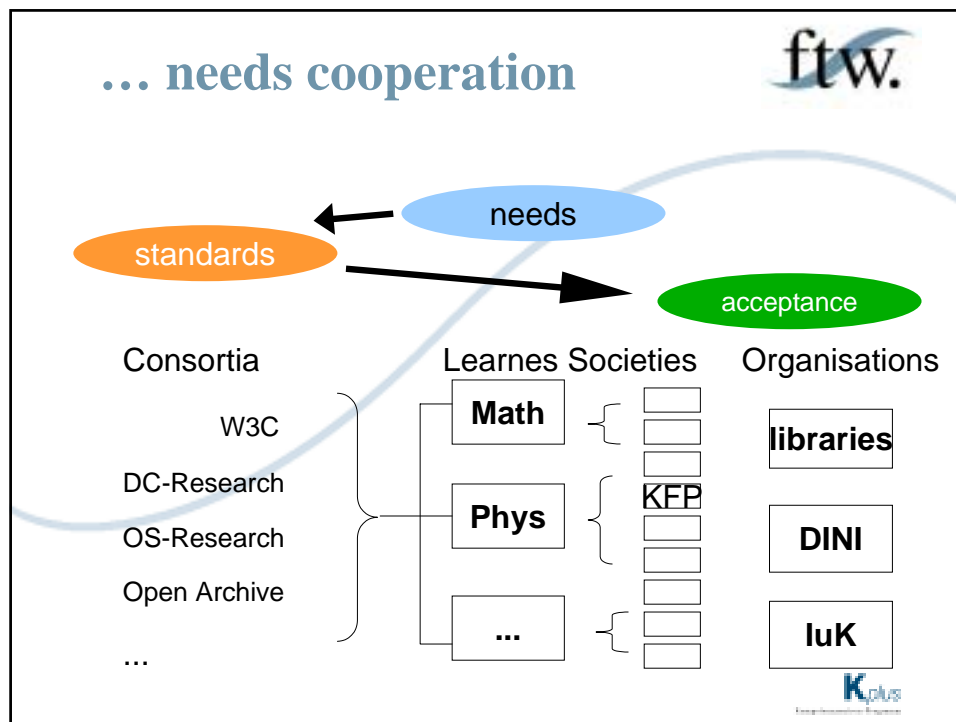
- 1998-00 DFG supported
- 5 Learned fields at different places
- Covering a wide range of topics like
 - author guidelines,
 - workflow, presentation,
 - long term archiving
- Ongoing DissOnline 'Club'
 - Other research projects like: CARMEN (Global Info)
 - OAD
 - MathDiss

Dissertationen
Online



Common - Structure ...





Classification schemes



- PACS 01.20.+x,
 84.40.Az/Ba/Ua/Xb
 89.70.+c
- MSC 94Axx,
 94Cxx
- IPC H 04
- DDC21 003.5(4)
- IEEE



Closing remarks



Information Management in PhysDis

- Collect data
- Structure information
- Present it
- Store it / link it
- Make it retrievable / searchable

in general

- Planning and scheduling
- Efficiency and effectiveness
- Service and Maintainance



Thanks for you attention

Questions, comments ?

kerstin@physik.org

zimmermann@ftw.at