

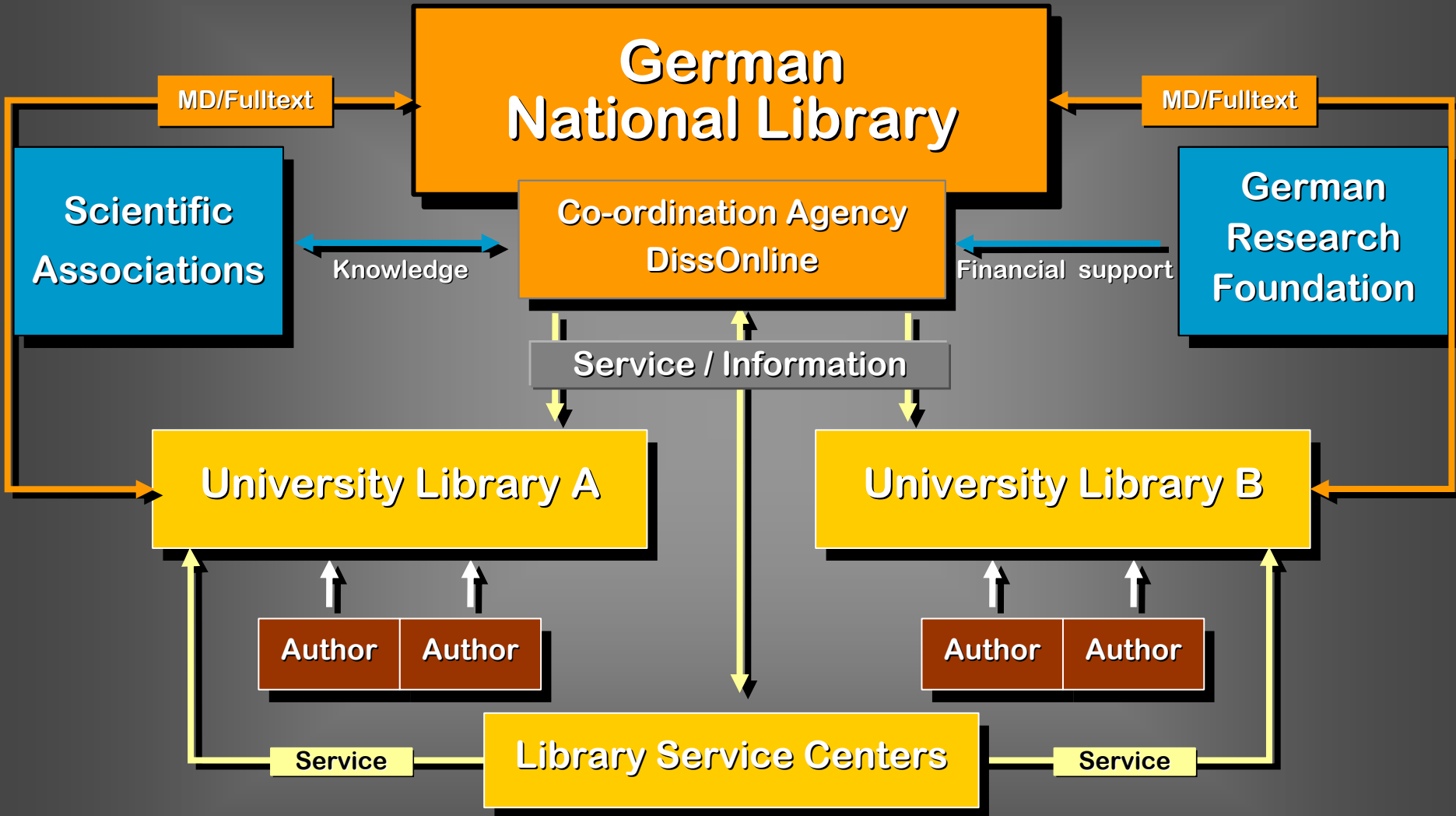
# XMetaDiss meets ETD-MS

Christine Frodl

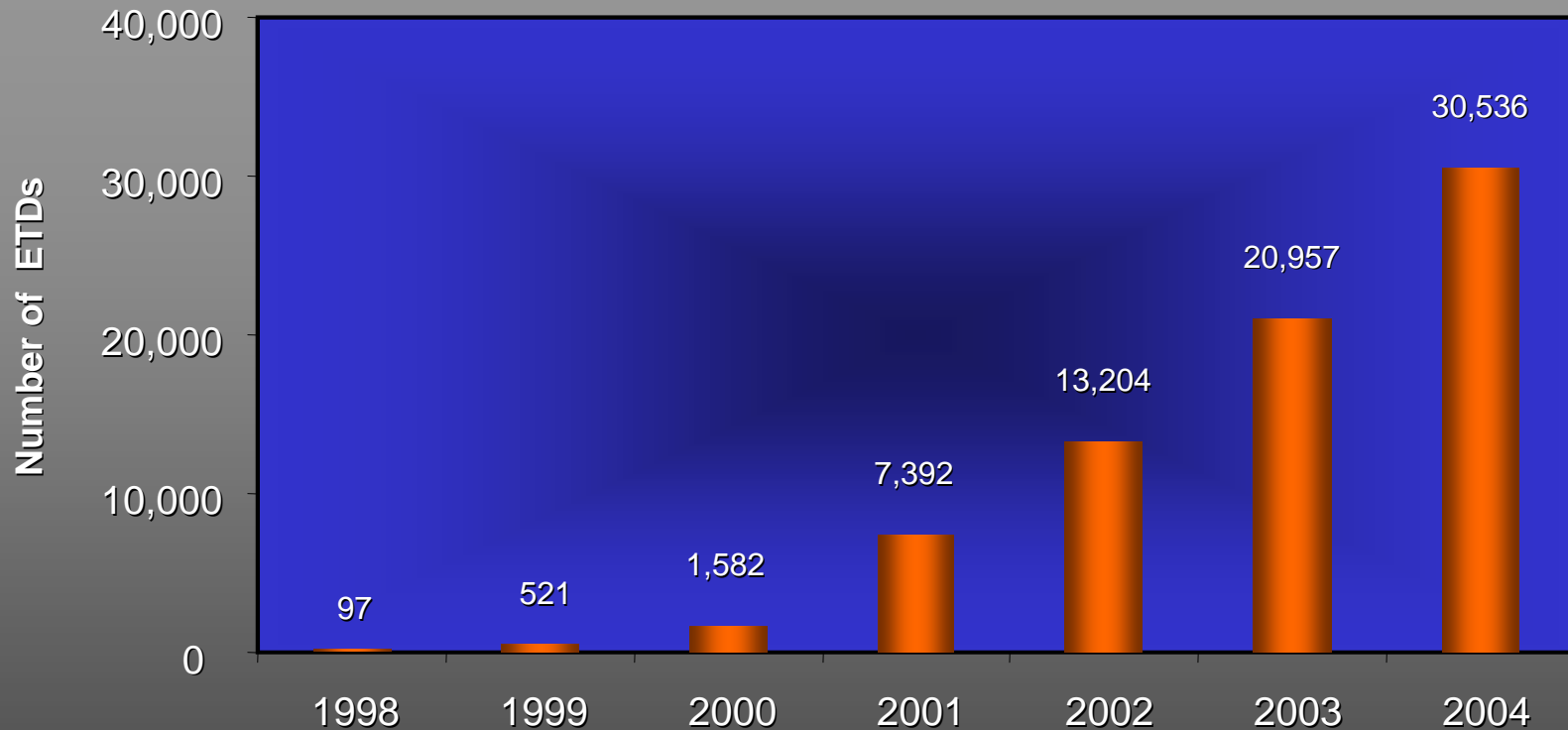
Nikola Korb

# ETDs in Germany

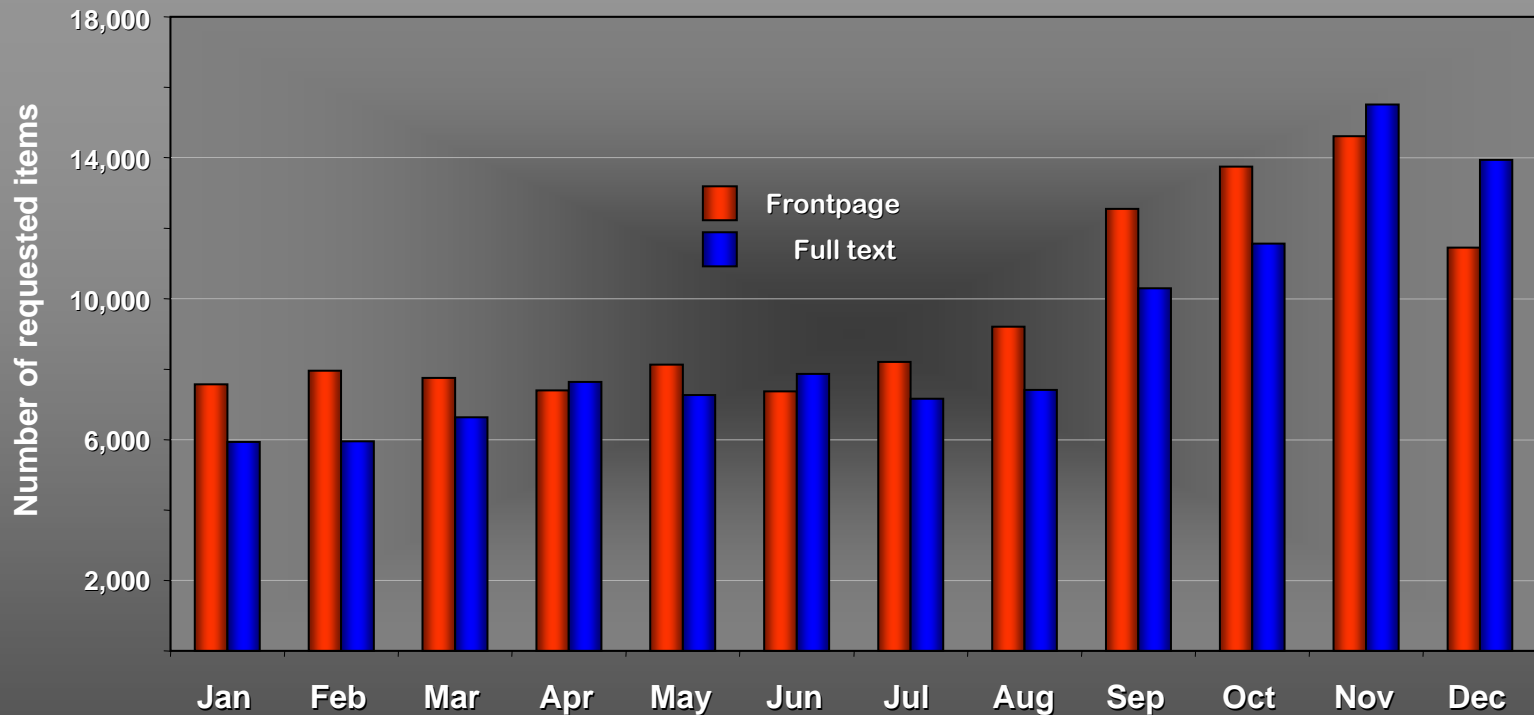
- 1998 start of collection of German ETDs at Die Deutsche Bibliothek (German National Library)
- Applied metadata formats: MetaDiss and XMetaDiss
- Project „Dissertation Online“ 1998 - 2000
- „Co-ordination Agency DissOnline“ 2001
- Project „Building-up a Co-ordination Agency for online dissertations and post-doctoral theses“ 2003 - 2004



# Doctoral and post-doctoral theses archived at Die Deutsche Bibliothek

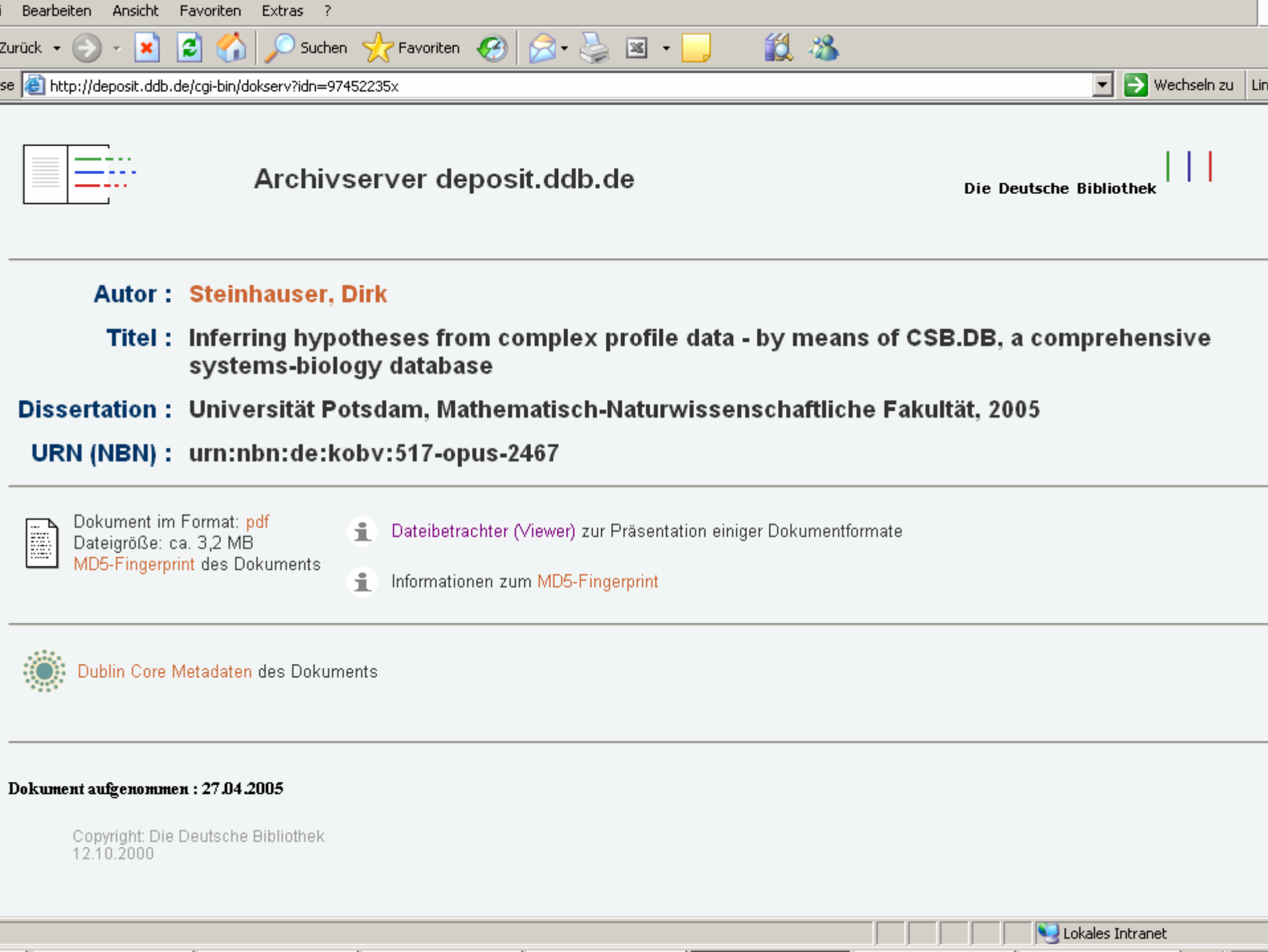


# Access to online versions of ETDs at Die Deutsche Bibliothek 2004





**1 ETD  $\approx$  8 accesses!**



**Autor :** Steinhauser, Dirk

**Titel :** Inferring hypotheses from complex profile data - by means of CSB.DB, a comprehensive systems-biology database

**Dissertation :** Universität Potsdam, Mathematisch-Naturwissenschaftliche Fakultät, 2005

**URN (NBN) :** urn:nbn:de:kobv:517-opus-2467



Dokument im Format: pdf  
Dateigröße: ca. 3,2 MB  
MD5-Fingerprint des Dokuments



[Dateibetrachter \(Viewer\)](#) zur Präsentation einiger Dokumentformate



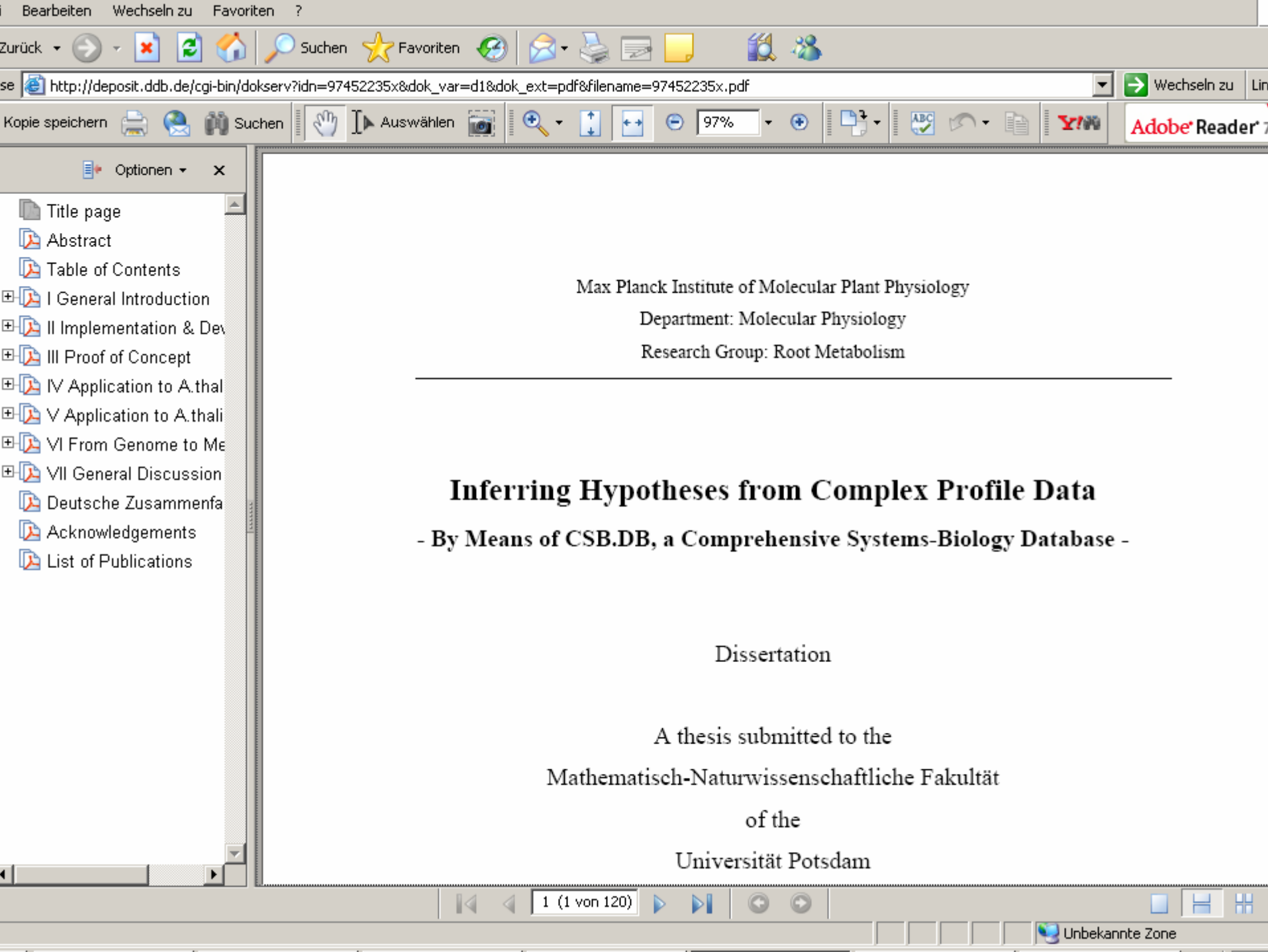
Informationen zum [MD5-Fingerprint](#)



[Dublin Core Metadaten](#) des Dokuments

**Dokument aufgenommen :** 27.04.2005

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12.10.2000



Optionen x

- Title page
- Abstract
- Table of Contents
- I General Introduction
- II Implementation & Dev
- III Proof of Concept
- IV Application to A.thali
- V Application to A.thali
- VI From Genome to Me
- VII General Discussion
- Deutsche Zusammenfa
- Acknowledgements
- List of Publications

Max Planck Institute of Molecular Plant Physiology  
 Department: Molecular Physiology  
 Research Group: Root Metabolism

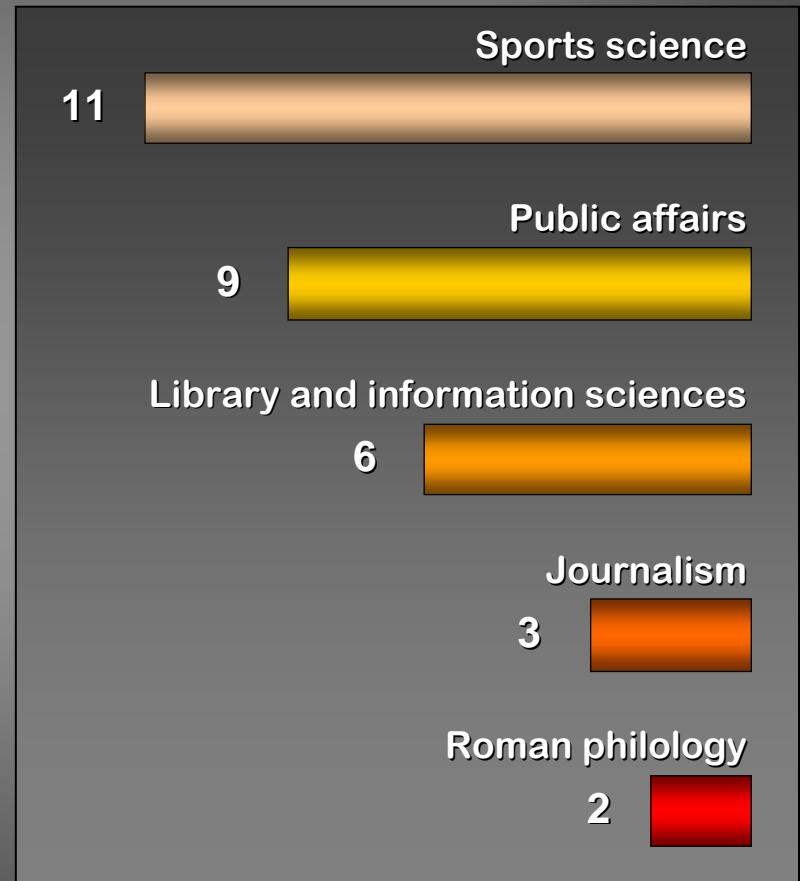
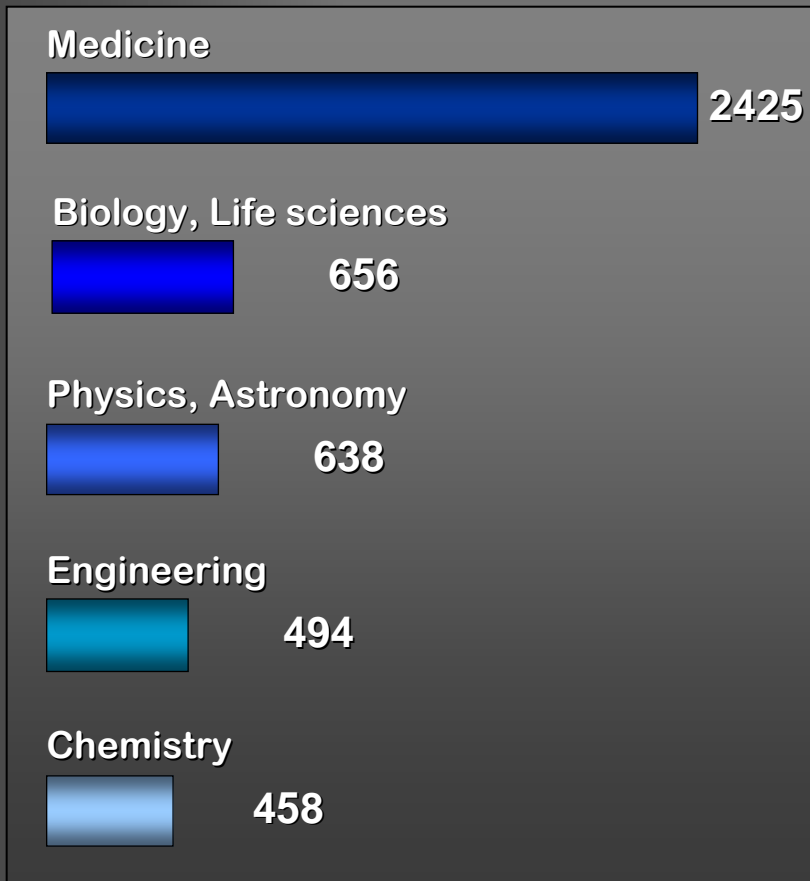
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**Inferring Hypotheses from Complex Profile Data**  
 - By Means of CSB.DB, a Comprehensive Systems-Biology Database -

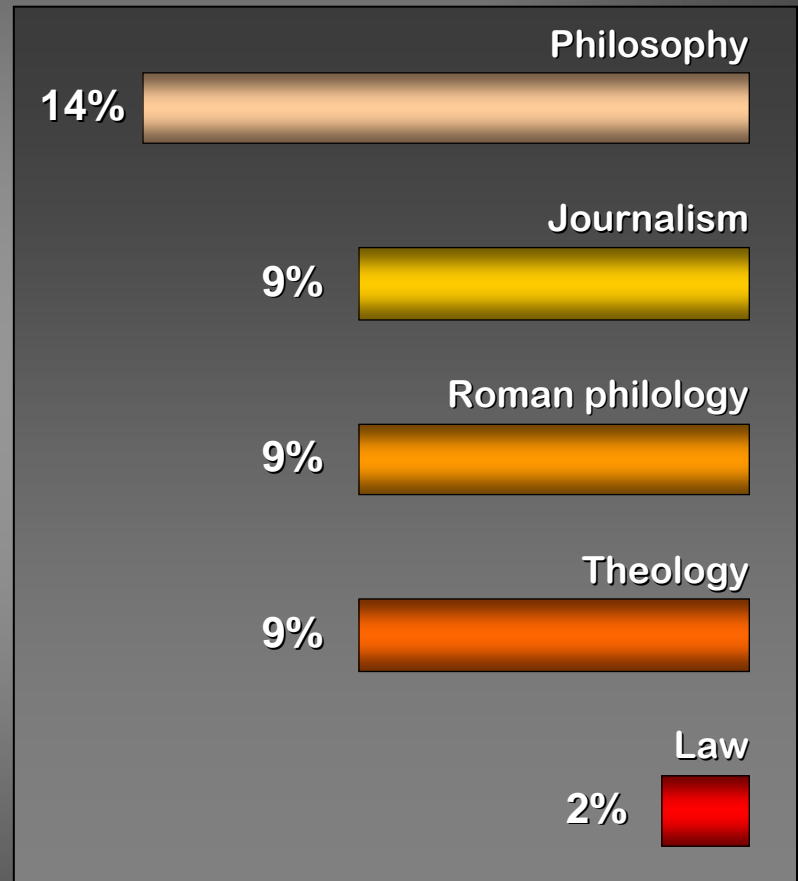
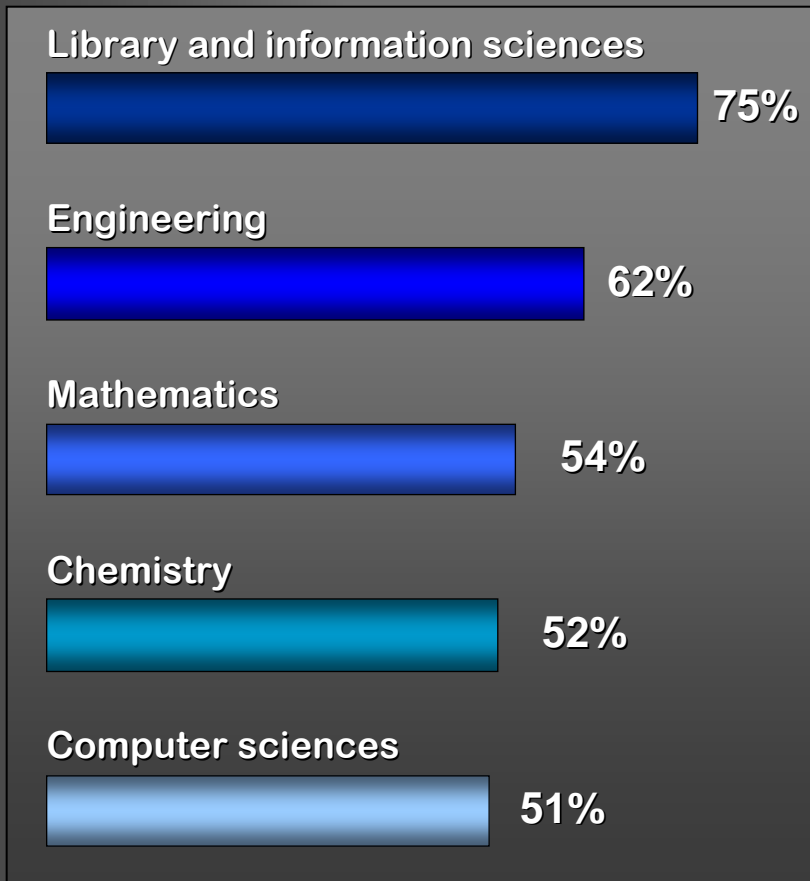
Dissertation

A thesis submitted to the  
 Mathematisch-Naturwissenschaftliche Fakultät  
 of the  
 Universität Potsdam

# Subjects (2004)



# Subjects (2004)



# XMetaDiss

- Predecessor: MetaDiss 1998 – 2004
- 2005 onwards: XMetaDiss
- XML-based with Schema and UTF-8
- DCMES of 2004

# XMetaDiss

- Data exchange via OAI protocol
- Compatibility with NDLTD set ETD-MS
- Clear structure of content through relations
- Transformation potential by means of XSLT into other metadata formats
- Technical metadata for long-term preservation
- High description level of ETDs

# Structure

- Dublin Core Element Set 1.1 (dc)
- DC Terms (dcterms)
- DCMI Type (dcmitype)
- ETD-MS (thesis)
- Long-term preservation and administrative metadata (ddb)
- XMetaPers (pc)
- Metadata for corporate bodies (cc)

# DC elements title, creator, subject

```
<dc:title xsi:type="ddb:titleISO639-2" lang="eng">Analysis of integrated transcriptomics and metabolomics data</dc:title>
```

```
<dc:creator xsi:type="pc:MetaPers">
```

```
<pc:person>
```

```
<pc:name type="nameUsedByThePerson">
```

```
<pc:foreName>Michael</pc:foreName>
```

```
<pc:surName>Schmidt</pc:surName>
```

```
</pc:name>
```

```
</pc:person>
```

```
</dc:creator>
```

```
<dc:subject xsi:type="dcterms:DDC">570</dc:subject>
```

# Administrative/technical specifications I

## Mandatory

```
<ddb:contact contactID="F1111-1111"/>
```

```
<ddb:fileNumber>1</ddb:fileNumber>
```

```
<ddb:fileProperties
```

```
  fileName="dissertation.pdf"
```

```
  fileID="file1,/>
```

# Administrative/technical specifications II

## Optional

```
<ddb:fileProperties  
  fileName="dissertation.pdf" fileID="file1"  
  
  format="PDF1.3" fileSize="4.074.457"  
  
  creation="PDFlib.3.03(WIN32)"/>
```

# Administrative/technical specifications III

## Access rights

`<ddb:rights ddb:kind=„domain“>`Due to patent reasons, the access is restricted until July 31, 2004. After that date, the access is free.`</ddb:rights>`

## Restrictions of use

`<ddb:useRestrictionInfo ddb:type=„print_prot“>`only to be printed in the reading room`</ddb:useRestrictionInfo>`

# ETD-MS

## Mandatory

<thesis:degree>

<thesis:level> thesis.doctoral</thesis:level>

<thesis:grantor>

<cc:universityOrInstitution>

<cc:name>Technische Universität</cc:name>

<cc:place>Chemnitz</cc:place>

</cc:universityOrInstitution>

</thesis:grantor>

</thesis:degree>

# XMetaDiss meets ETD-MS

- Sharing information about ETDs
- Mapping XMetaDiss version 1.2 – ETD-MS Version 1.00, revision 2  
[http://www.ddb.de/standards/xmetadiss/konkordanz\\_xmetadiss\\_etd\\_ms\\_e.pdf](http://www.ddb.de/standards/xmetadiss/konkordanz_xmetadiss_etd_ms_e.pdf)
- exception: <description role="release">
- For transformation purposes see XSLT stylesheet at  
<http://www.ddb.de/standards/xmetadiss/etdms.xsl>

# XMetaDiss now

- XMetaDiss release 1.2
- OAI-Harvester is running
- More and more partners switch to XMetaDiss
- Semi-automated process

# Next steps

- New project - new services

- Portal

- Assurance of long-term preservation and access (projects: KOPAL, NESTOR)

*<http://kopal.langzeitarchivierung.de/>  
<http://www.langzeitarchivierung.de/>*

- Support of the ETD Union Catalog

- Increased international cooperation

# XMetaDiss Information

Reference description, mapping, downloads, links

[http://www.ddb.de/standards/xmetadiss/index\\_e.htm](http://www.ddb.de/standards/xmetadiss/index_e.htm)

Co-ordination Agency DissOnline

e-mail: [dissonline@dbf.ddb.de](mailto:dissonline@dbf.ddb.de)

URL: [www.dissonline.de](http://www.dissonline.de)

Office for Library Standards

e-mail: [frodl@dbf.ddb.de](mailto:frodl@dbf.ddb.de)

URL: [www.ddb.de/professionell/afs\\_e.htm](http://www.ddb.de/professionell/afs_e.htm)