

# TextGrid

modular platform for collaborative text editing -  
a community grid for the humanities

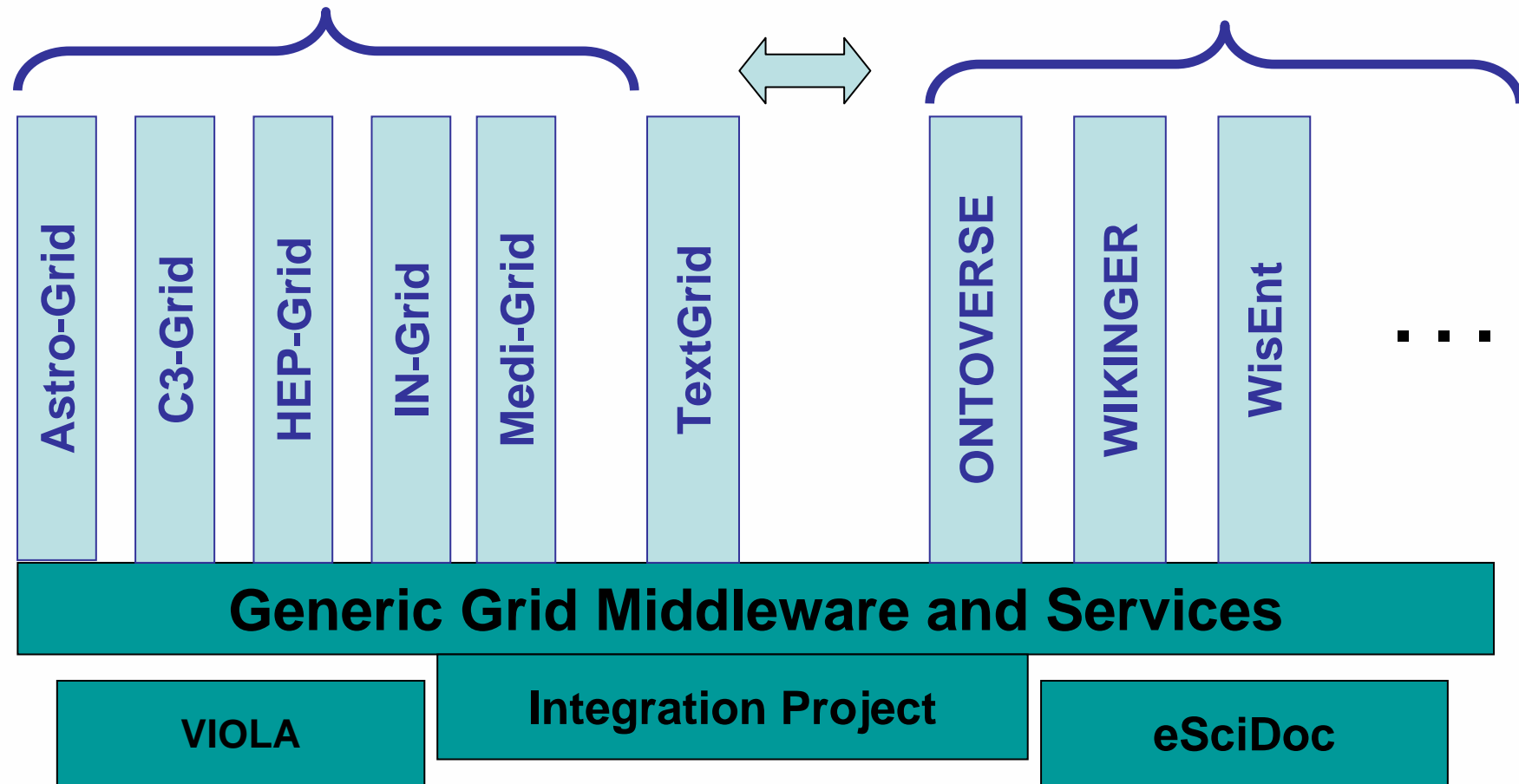
[www.textgrid.de](http://www.textgrid.de)



# overview

- **context**
- **objectives**
- **technology**

# D-Grid + Knowledge Networking



... GridKa School 2006 ...



Folio Views - [Der junge Goethe]  
 Datei Bearbeiten Ansicht Einfügen Suchen Layout Extras I.  
 DER JUNGE GOETHE  
 Dramatische Schriften  
 Mahomet

Mahomet

Abruf der Handschrift

H Feld. Gestirnter Himmel.

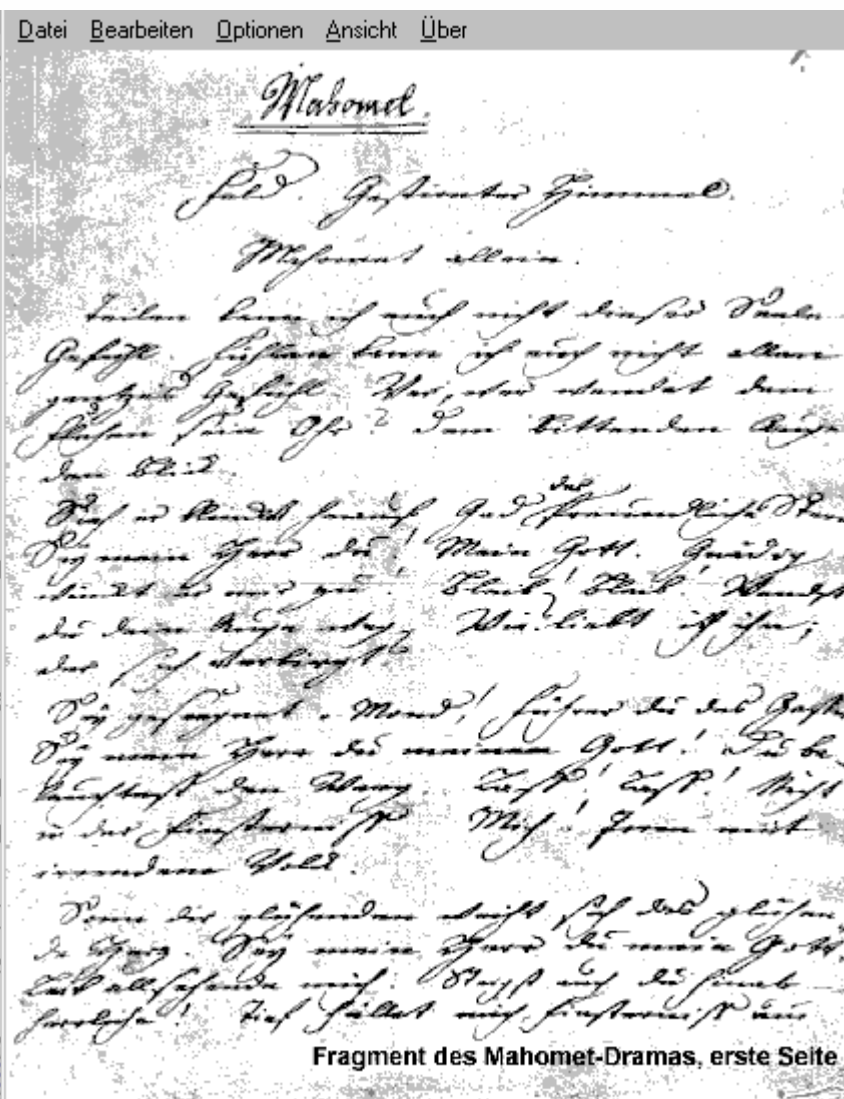
MAHOMET<sup>o</sup> allein.

Teilen kann ich euch nicht dieser Seele Gefühl  
 Wer, wer wendet dem Flehen sein Ohr? Dem

Sieh er blincket herauf Gad<sup>o</sup> der freundliche S  
 er mir zu! Bleib! Bleib! Wendst du dein Auge

Sey geseegnet o Mond! Führer du des Gestir  
 den Weeg. Lass! Lass! Nicht in der Finster

Sonn dir glühenden weilt sich das glühende H  
 mich. Steigst auch du hinab herrliche! Tie

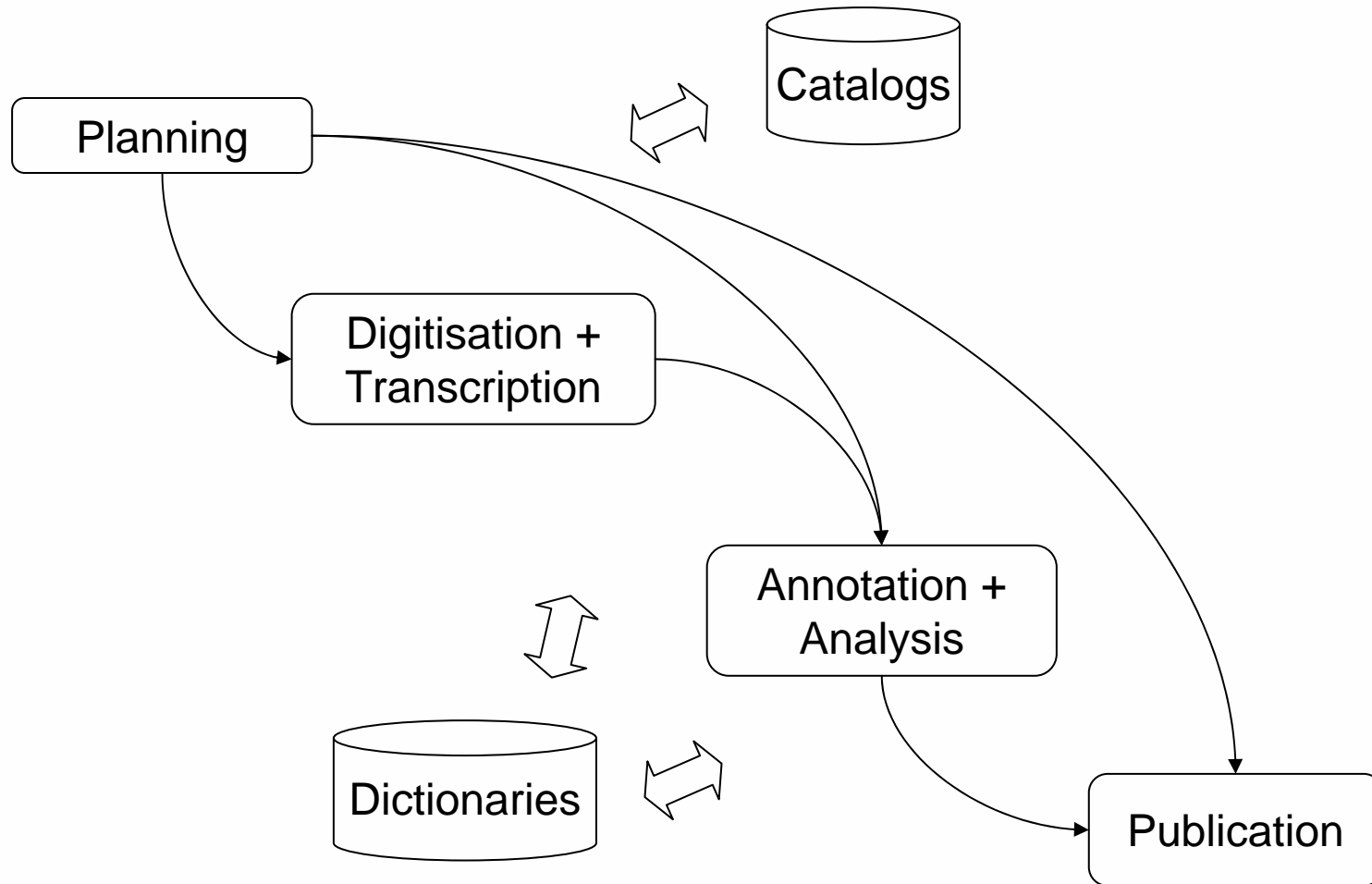


Fragment des Mahomet-Dramas, erste Seite

Alle Suchen Durchsuchen Dokument Inhalt  
 ntrag: 4.826 / 81.573 Treffer: 0 / 0 Suche: IrfanView32 - Mahomet.gif (432 x 528 x 88BPP)

Start Folio Views - [Der junge G... IrfanView32 - Mahom... MGI PhotoSuite SE 15:55

# workflow

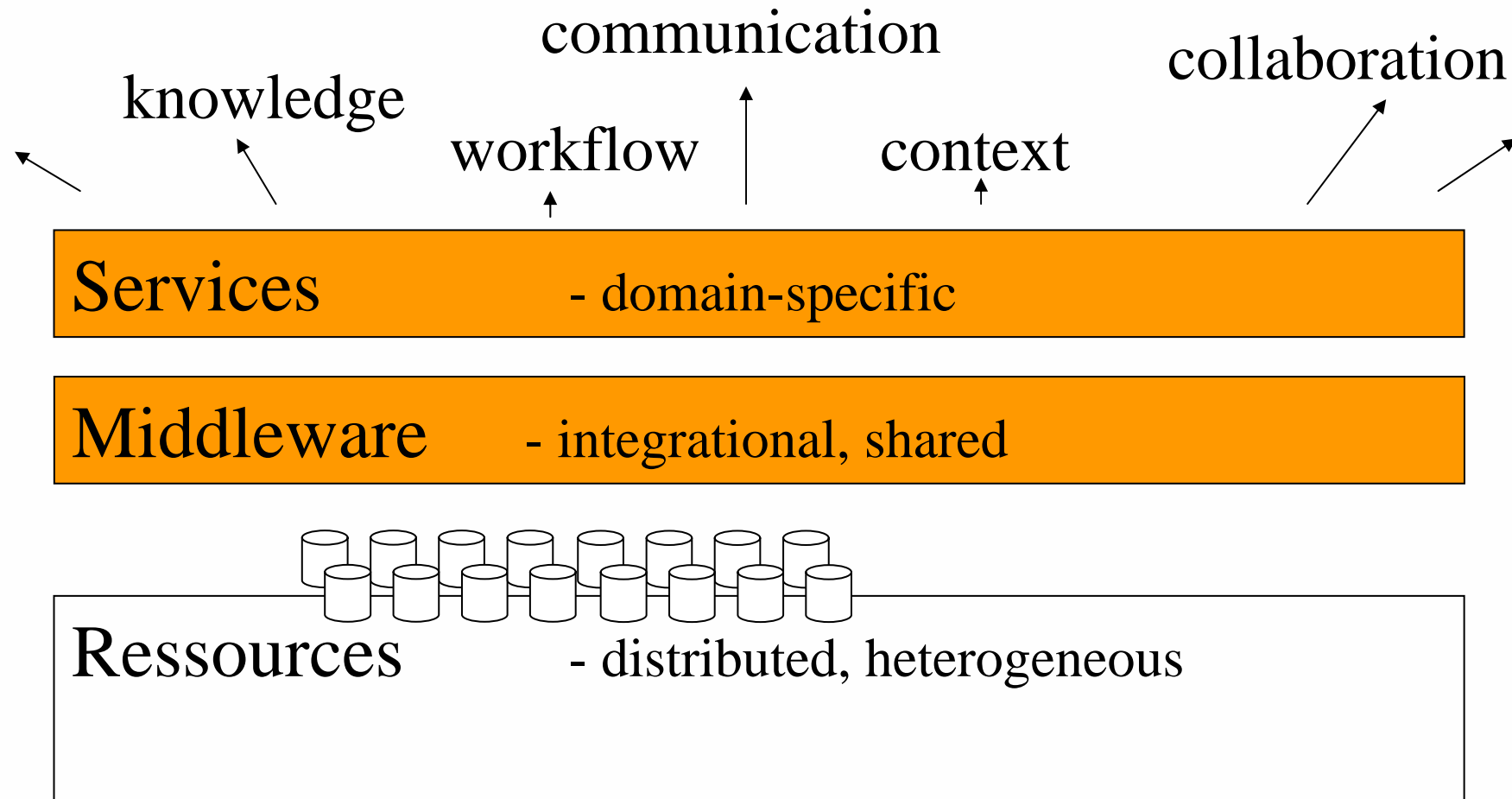


# TextGrid goal

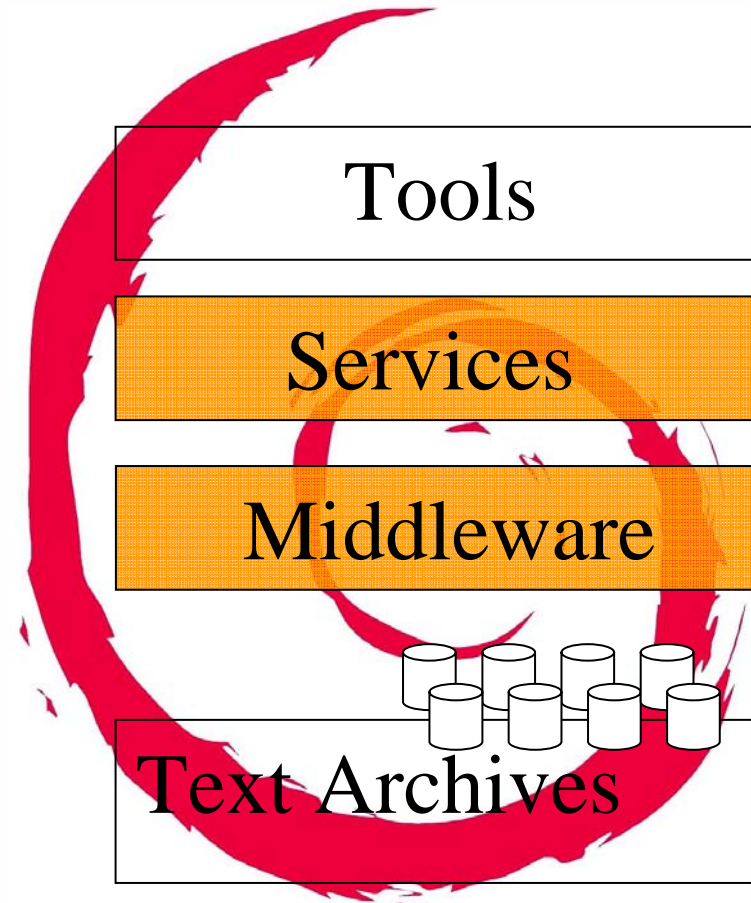
an open, adaptable, extensible infrastructure

- combine isolated text corpora for re-use and collaboration
- enrich content with supplementary resources (dictionaries, catalogs)
- modular, to re-combine services for tailored tools
- foster automation on a semantic level

# grid environment

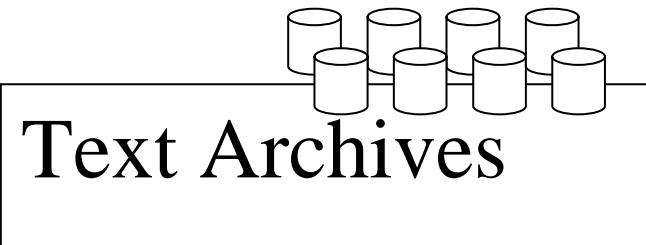


# grid environment



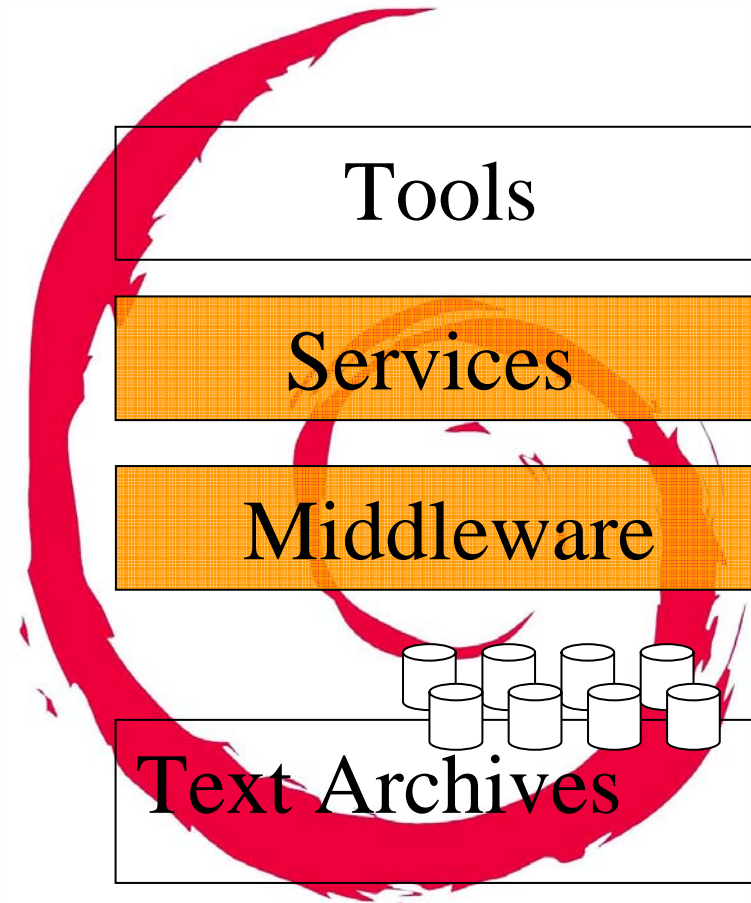
## Tools

- GridSphere
- Eclipse-based Client



- distributed, heterogeneous, autonomous data grid nodes
- integration (content, metadata)
- → interface to archives
- → policy

# grid environment



## Services

- (IBM) "Manageable Resource Decomposition and Standards"
- Web Services:  
registration, workflow, exposure

## Middleware

- → service layer
- → archives
- → D-Grid infrastructure
- dynamic data
- metadata

## Middleware

GT4

Data Grid

→ static + dynamic

→ virtualisation, replica management

Information Services

→ metadata, versions

AAI → GridShib

Monitoring

Workflow Management, Scheduling

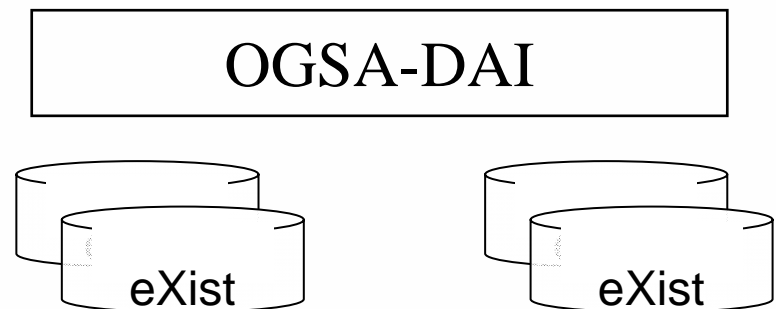
License Management



# ~~non-hierarchic xml~~

<l> GridKa is the <t>grid- </l>  
<l> school</t> in Germany </l>

- annotation levels  
→ typographic, structural, logic, semantic, text genetic, etc
- on-the-fly XML creation



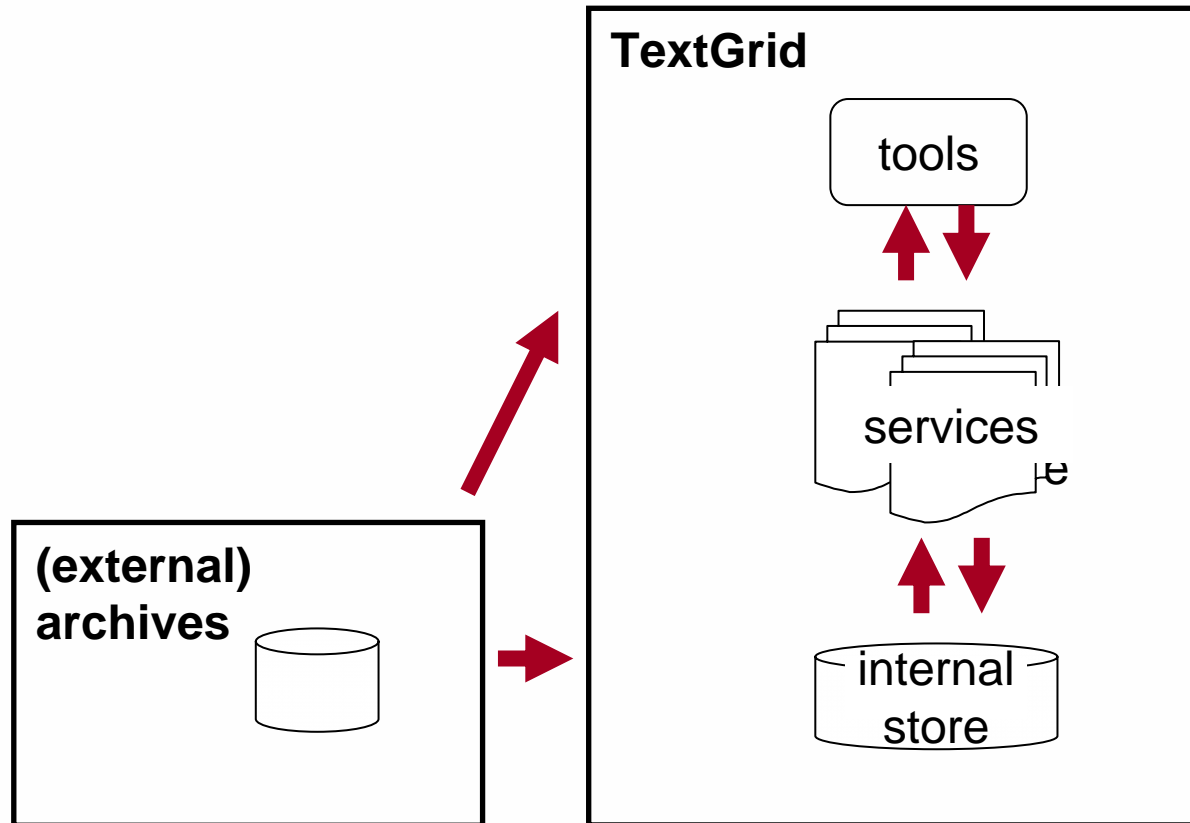
# XML / TEI / METS

```
<?xml version="1.0" encoding="UTF-8" ?>
```

```
- <mets xmlns="http://www.loc.gov/METS/"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xsi:schemaLocation="http://www.loc.gov/METS/ http://schema.ccs-  
  gmbh.com/metae/mets-metae.xsd"  
  xmlns:MODS="http://www.loc.gov/mods/v3"  
  xmlns:mix="http://www.loc.gov/mix/"  
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"  
  xmlns:xlink="http://www.w3.org/TR/xlink" xmlns:GDZ="http://gdz.sub.uni-  
  goettingen.de" TYPE="METAe_Multivolume_Monograph"  
  LABEL=""Gesammelte mathematische Werke"">  
- <metsHdr CREATEDATE="2005-05-23T18:31:51" LASTMODDATE="2005-  
  05-23T18:31:51">  
<name>GDZ-METS_TEI.tcl</name>  
<note>Version: 1.0.4</note>
```

...

# communication format + protocol



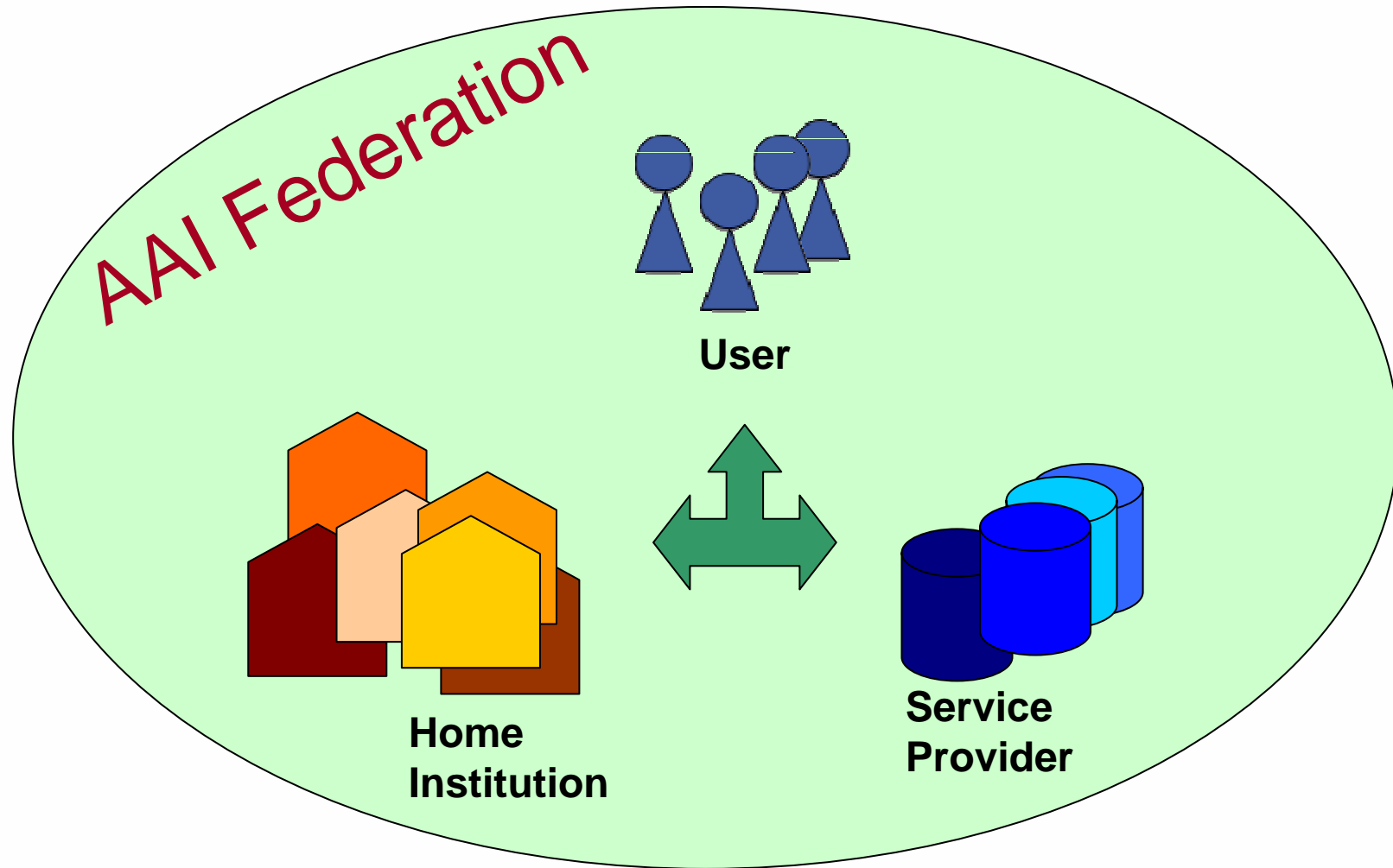
# metadata

- bibliographic (title, author, ...)
  - administrative (rights, ...)
  - versioning (origin, audit-trail, ...)
- object network

RDF triples – (subject, predicate, object)

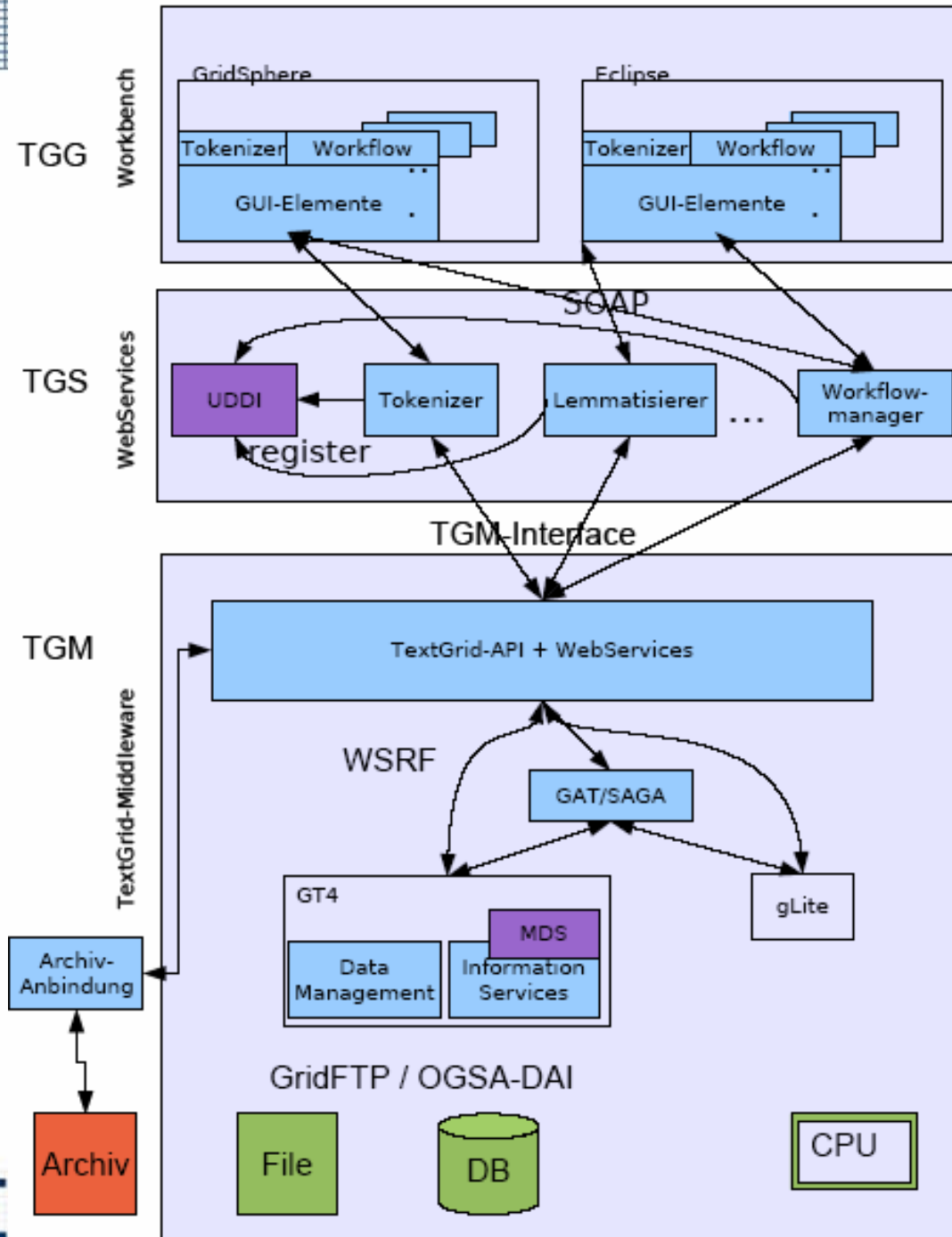
Triple Store: Sesame

# Shibboleth

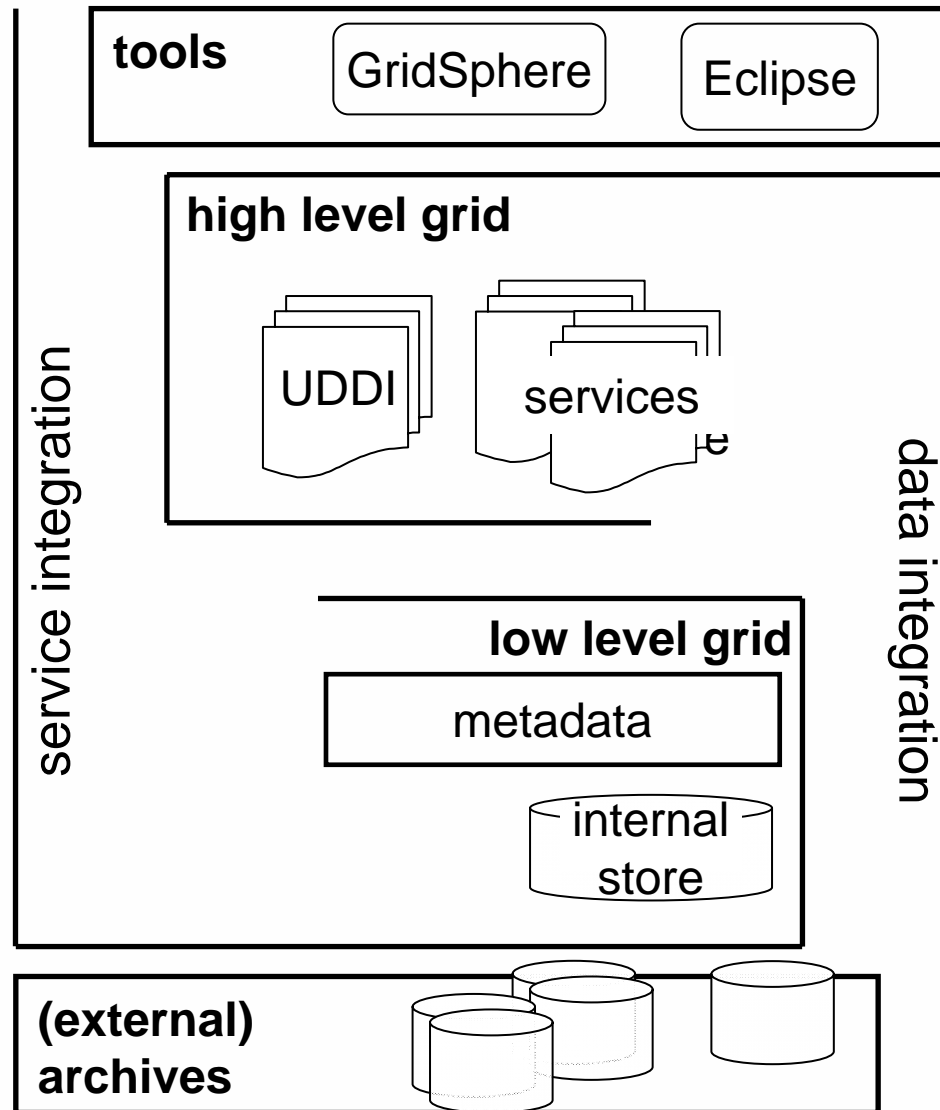


# TextGrid architecture

School 2006 ...



# Conclusion



Tools

Services

Middleware

Archives



**comments, questions, ... ?**

**thanks for your  
attention !**



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