

# Bernstein Integrated Workspace

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# The Team:

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# Overview

- Goals
- Technology
- SRU
- Gateway
- Workflow
- Functionality & Live examples online
- ToDo

# Specifications and Goals

- Integrated european environment for the history of paper
- Workspace for all existing databases
- online search in the existing databases
- Easy upgrading for new databases
- Gateway for new databases
- Easy configuration

# Technology

- Workspace Implementation in Java
- Spring MVC Framework
- DWR, Javascript

# SRU – Search Retrieve over URL

- Standardized search protocol
- Simple syntax
- CQL – for database queries
- Search via HTTP possible
- Search via SOAP – Networkprotocol
- SearchRetrieve, Scan, Explain

# SRU - Syntax

`http://bernstein.iicm.tugraz.at:8080/GateWayPOL/sru?operation=searchRetrieve&version=1.2&query=(dc.title="*vogel*" AND dc.title="*krone*")&startRecord=1&maximumRecords=0&extraRequestData=ge`

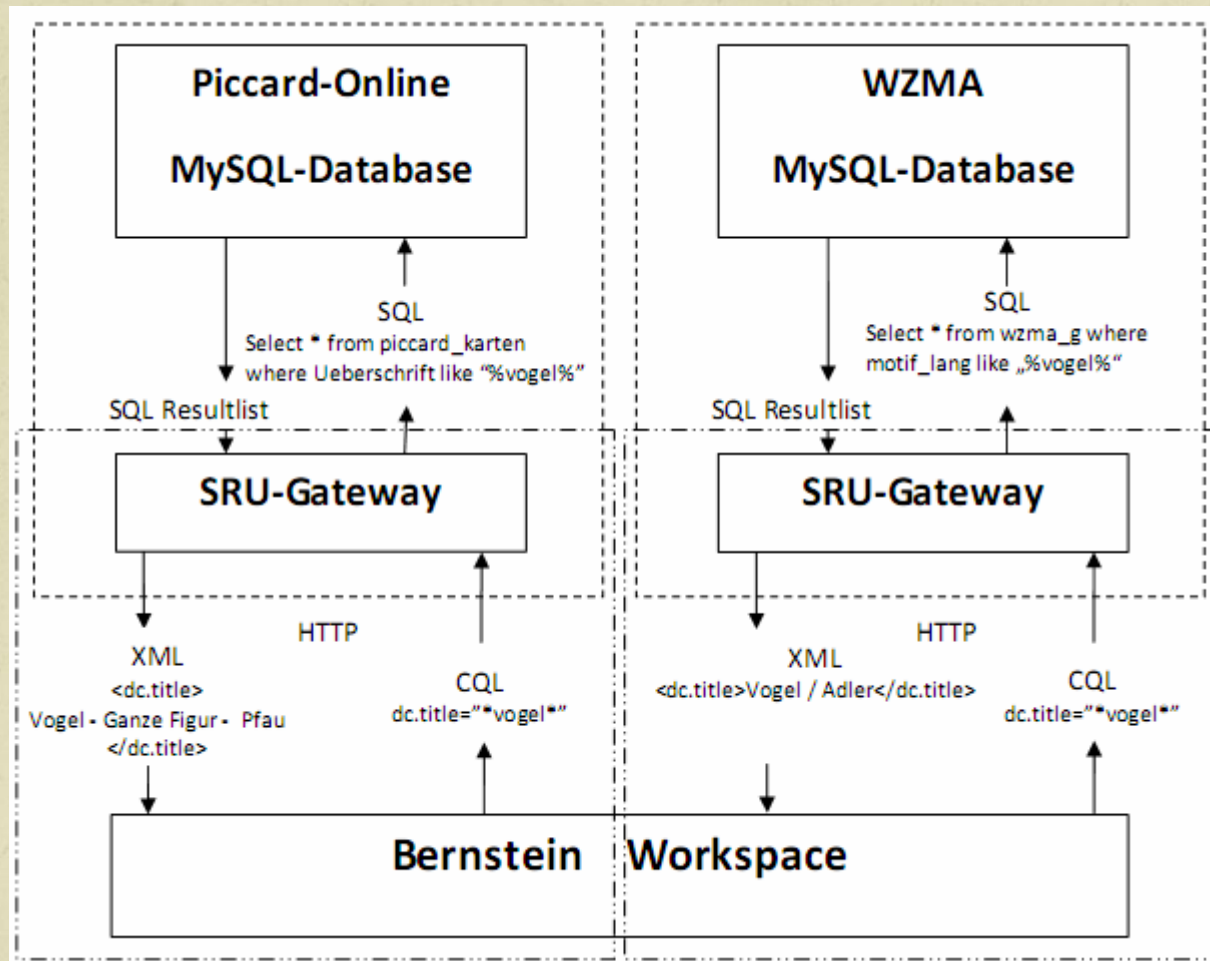
- Adress of the gateway
- Operation (searchRetrieve, Scan, Explain)
- Version
- Search Query
  - Integrated Workspace fieldnames
  - Search Text
  - Boolean Operators
  - CharacterString or Exact search
  - Extra Data
  - Language

# Gateway

- Easy configurable with config-files
- Mapping of fields
- Translation of CQL → Access, Oracle, MySql, ...
- Standard response in XML
- Common fields
- Easy installation on new Databases



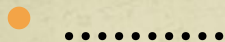
# Workspace Workflow



# Configuration

- Language configuration
  - header.select.german = German
  - header.select.english = English
- Database configuration
  - database.wzma.description = OEAW - Watermarks of the Middle Ages (Austria)
  - database.wzma.shortKey = WZMA
  - database.wzma.supportedLanguages = de
  - database.wzma.languageKey = db.descr.wzma
  - database.wzma.host = <http://129.27.153.116:8080/GateWaywzma/services/Sru>
- Searchfield Configuration
  - searchfield.motif.description = Motif
  - searchfield.motif.name = dc.title
  - searchfield.motif.type = common
  - searchfield.motif.isSortCriteria = yes
  - searchfield.motif.indexEnabled = yes
  - searchfield.motif.datatype = String
  - searchfield.motif.languageKey = sf.motif
  - searchfield.motif.location = pol,wilc,wzma,niki

# Live Presentation



# ToDo

- Bookmarks
- Export Results
- Design
- History
- .....