

# TextGrid Developers' Workshop



## Part II

### Contributing to the TextGridLab

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TextGridLab

File Edit XML Search Tools Window Help

Analyze Names Project / User Administration Research

Brief an Herder.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<TEI xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:tei="http://www.tei-c.org/ns/1.0"
  xmlns:ll="http://www.linglit.tu-darmstadt.de" xmlns="http://www.tei-c.org/ns/1.0"
  xsi:schemaLocation="http://www.tei-c.org/ns/1.0 schemata/teilighte-schema.xml">
  <teiHeader>
    <fileDesc>
      <titleStmt>
        <title/>
      </titleStmt>
      <publicationStmt>
        <p/>
      </publicationStmt>
    </fileDesc>
  </teiHeader>

```

Names Open Source

- Johann Gottfried Herder
- Schäckespear
- C. F. Weiße
- Kästners
- Henrich Jung-Stilling
- Abraham Gotthelf Kästner
- Herder
- Salzmann
- Pegelow

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## Johann Gottfried Herder

From Wikipedia, the free encyclopedia

**Johann Gottfried von Herder** (August 25, 1744 - December 18, 1803) was a German philosopher, poet, and literary critic. He is associated with the periods of Enlightenment, Sturm und Drang, and Weimar Classicism.

**Johann Gottfried Herder**

German philosophy  
Enlightenment philosophy

navigation

- Main page
- Contents
- Featured content





Research

Search for...  
 Result as KWIC

In objects having...

Person

Title

Project

Text genre

Refine search...

Baseline Elements

Show at once

Start new search

Research Results

Brief an Herder

- Open with... >
- Show Names
- Analyze Names
- Open
- Publish
- Open Metadata
- Copy URI
- Delete

Continue this search One result Expand Collapse Results

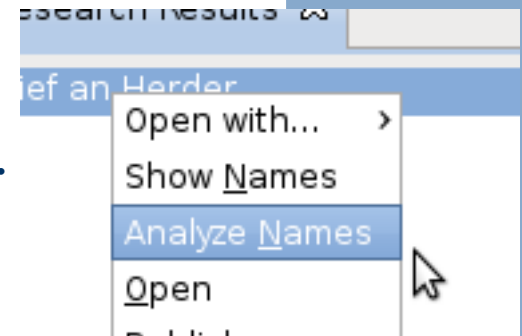
# TextGridLab and Eclipse

- TextGridLab is based on the *Eclipse Rich Client Platform*
- Currently version 3.3 (Europa)



# Eclipse in 5 minutes

- Eclipse is a bunch of **plug-ins**
- Each plug-in consists of a
  - **Declarative part** (Plug-In Manifest)
    - META-INF/MANIFEST.MF - Plug-in dependencies etc.
    - plugin.xml - Extensions, Contributions (see below)
    - Common Editor
  - **Code**
    - Loaded only when needed
    - Activator for lifecycle management
  - Optionally **Resources**



# 1: Create Plugin & Handler

- Cre
- Fam
- Cre
- C
- H
- A
- Acc

info.textgrid.lab.experiments.names

### Extensions

All Extensions

Define extensions for this plug-in in the following section.

type filter text

org.eclipse.ui.commands

- Shows the names in this object (command)

org.eclipse.ui.menus

- popup:org.eclipse.ui.popup.any?after=additions (command)

org.eclipse.ui.handlers

- (handler)

Buttons: Add..., Remove, Up, Down

### Extension Element Details

Set the properties of "command". Required fields are denoted by "\*".

id\*: info.textgrid.lab.experiments.names.ShowNames

name\*: Show Names

category:

description: Shows the names in this object

categoryId:

defaultHandler: Browse...

returnTypeId:

helpContextId:

Overview Dependencies Runtime Extensions Extension Points Build MANIFEST.MF plugin.xml build.properties



## 2: Call the service from this morning

- Generate the client stubs using Axis2's wsdl2java
  - There are Eclipse wizards, but they don't work :-(
  - `wsdl2java -uri ../NameService.wsdl` (modulo typo)
- Set the standard service arguments from Eclipse
  - Authorization Info: RBAC Session ID
  - Log Info (see the Log View, *Ctrl+3 Log RET*)
- Actually call the service



# 3: Display the results in a View



## 4: Create the Wikipedia view

- Create yet another view
- Pass on the selection
- Embed a browser
- We want to go to
  - <http://de.wikipedia.org/wiki/?search=Name&go=Go>



## 5: Open an Editor, create a perspective

- Use `IFile` to access `TextGridObject`'s contents
- Use the adapter pattern for `IFile`  $\leftrightarrow$  `TextGridObject` conversion
- Open the `IFile` in an editor
- Arrange the views & editor to a perspective



# Issues

- Add stuff to product
  - For Export / Integration Build
  - But you can simply drop the plugin to textgridlab/plugins/
- Responsiveness
  - Use Jobs for long running tasks like network access
- Error handling
  - Use StatusManager etc. to log local errors. Console output is swallowed in many environments.
- Restrict menu item enabledness / visibility
- GUI: Icons, I18n



# Other ways to do this

- TG-search
- Streaming Editor
- ...



# What we prepared for you

- Dependencies
  - Eclipse Europa, Plugin Developers' Edition
  - Web Tools Platform Project
- Checkout Lab
  - We can provide a Team Project Set
- Run configuration (for testing)

