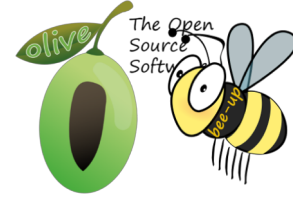


A Case: Text Annotation Webservice 1/3



- **Description**

A webservice that is capable to annotate text with concepts of a metamodel.

- **Conceptual Foundation**

Theoretical foundation on text annotation and semantic technologies (find literature).

- **Specification (Initial Input)**

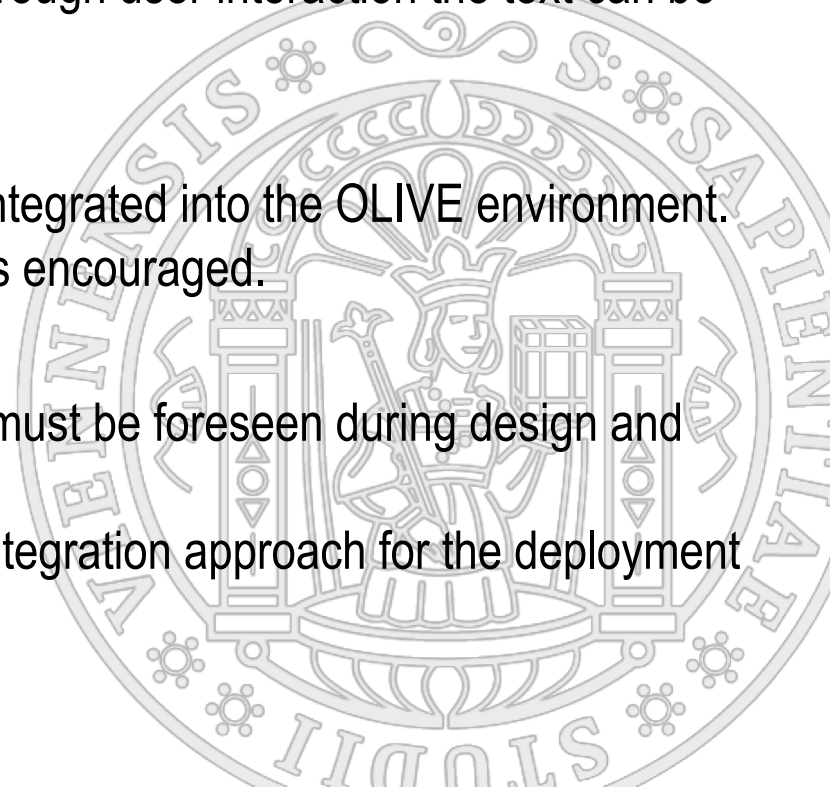
The webservice consumes an arbitrary text file. Through user interaction the text can be annotated with the specific concepts.

- **Implementation Approach**

It is required to realize a service which should be integrated into the OLIVE environment.
The use of an open-source semantic frameworks is encouraged.

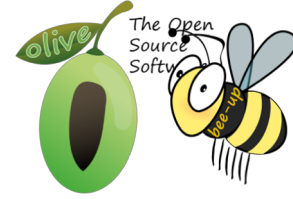
- **Deployment Guidelines**

A continuous integration and deployment process must be foreseen during design and implementation phases of the project.
It is recommended to apply a containerized build/integration approach for the deployment of results.

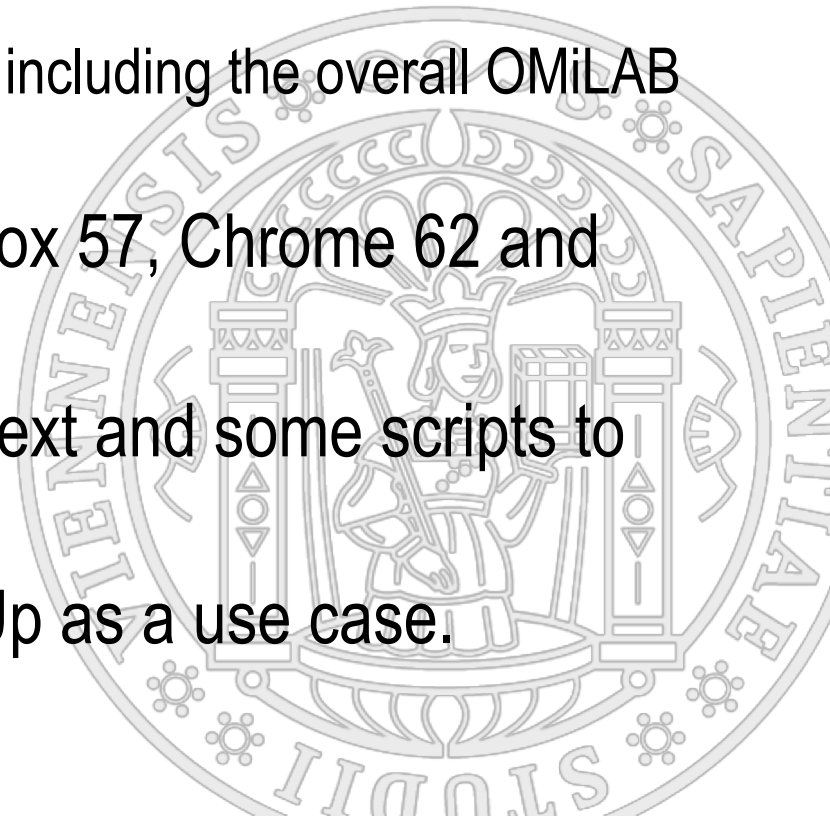


A Case: Text Annotation Webservice 2/3

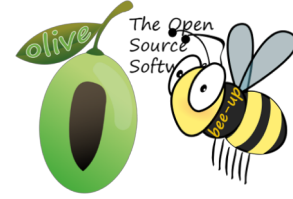
Implementation




- The service has been created to work with the OLIVE environment and to be used as part of OMiLAB.
- As such it had to consider
 - the interface to the OLIVE environment where messages are exchanged, as well as
 - the visualization in the users browser, including the overall OMiLAB design to neatly fit in.
- It aims to support the browsers Firefox 57, Chrome 62 and Internet Explorer 11.
- A service which provides a specific text and some scripts to allow a user to highlight text parts.
- It is tested using content from Bee-Up as a use case.



A Case: Text Annotation Webservice 3/3 Deployment

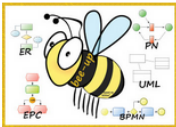


- The service has been deployed as part of OMiLAB.
- It is accessible to the public through the Bee-Up project page.



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Bee-Up

Keywords: BPMN, EPC, ER, PetriNets, UML
Affiliation: University of Vienna

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The "IMKER" Case Study - Case Text

You can highlight parts of the text by selecting them with the mouse. Those highlights can be removed by simply clicking on them. Colors can be changed by selecting them or using the number keys 1-4. To permanently store the result in a readable format you can print it, for example as a PDF (make sure that "print background" is enabled).

[Load](#) [Save](#) Color: [1](#) [2](#) [3](#) [4](#) [Clear](#)

Consider the text below to be the transcript of an interview with a beekeeper. While the interviewer might direct the conversations at times, the actual questions are omitted and only the information from the beekeeper is kept.

As a beekeeper I currently tend to **five hives spread across two apiaries**. I put all of my hives in places I can get to with my car, since they can be quite heavy and it is easier to move them with my pickup truck from one apiary to a different one or back to the tool-shed to perform some repairs. Currently I have **three hives between Sherwood Forest and McJenkins field**, Sherwood Forest being west and McJenkins field being east of the apiary. This should produce some interesting honey with the **lime trees** from Sherwood Forest and the **sunflowers** from the field. Of course there is always some **wildflower** nectar mixed in from the forest, since we can't control the bees, but the majority of nectar from the forest comes from the lime trees. I also have **two hives south of McJenkins field**, which will only produce sunflower honey. This apiary is provided by McJenkins to help pollinate their sunflowers. There is also **Clover Fields** way south of Sherwood Forest, which contains mostly thyme flowers and maple trees. The state provides an apiary to the east of Clover Fields, number 352 I think, but I currently don't have any hives over there.