



***Development project of AAI for Finnish  
language resources***

*Project Plan*

**Development project of AAI for Finnish language resources  
Project Plan**

Owner of the project (in CSC's organization)	APSE-jr (Management Group for Application Services)
Type of the document	Project plan
Filename	AAI_language_resources_PP.doc
Security level	CSC internal + UHEL
Target group	Steering group and project group
Security practices	---

Version history:

<b>Version</b>	<b>Date</b>	<b>Editor</b>	<b>Status</b>	<b>Change Log</b>
1.0	2009-05-25	Satu Torikka	First version	
1.1	2009-06-17	Satu Torikka	Second version	Risks updated
1.2	2009-12-04	Satu Torikka	Third version	Steering group change effective from January 1, 2010

## Table of Contents

1.	Introduction .....	4
2.	Background and Significance .....	4
3.	Objective and Requirements .....	4
4.	Internal and External Connections.....	4
5.	Limits.....	4
6.	Project Organization .....	5
6.1.	Project Steering Group.....	5
6.2.	Project Group .....	5
7.	Notes on General Working Practices.....	5
8.	Budget and Resourcing .....	6
9.	Initial Schedule.....	6
9.1.	Important Milestones .....	6
9.2.	Notes On The Schedule and Milestones.....	7
10.	Risks .....	7
11.	Glossary .....	7

## 1. Introduction

This document is a project plan for the Development project of AAI for Finnish language resources. Project's abbreviation is "Kalle".

## 2. Background and Significance

In 2008, the Department of General Linguistics at the University of Helsinki ordered CSC to produce a White paper and a Requirements specification to develop Language Bank of Finland services to users.

The Requirements specification forms the basis for the current project. The document can be found at:

<https://kitwiki.csc.fi/twiki/bin/view/KitWiki/RequirementsSpecification>

The project is connected to the ESFRI Clarin project.

## 3. Objective and Requirements

The goal of this project is to build an upgraded system for the Language Bank of Finland users, defined in the contract 'Kieliaineistojen käyttöoikeuksien hallinnan tietojärjestelmän toteutus' signed by the University of Helsinki, Department of General Linguistics, later UHEL in this document, and CSC.

## 4. Internal and External Connections

Project has connections to several other CSC's services and development projects:

- Scientist's Interface (later SUI) is a WWW portal. For end users, SUI is one of the many access points to CSC's services.
  - For linguistics, WWW-Lemmie and DMA (Digital Morphology Archive) are available
  - Current SUI's core services:
    - user's personal information
    - password change
    - disk quota
    - file manager and application/manual download services
  - Apache web server is running SUI. The project Integrated User Portal for CSC's Services is going on.
- Askare is CSC's customer database. If the IdM and CRM systems are in production to renew centralized user management they can be used.
- UADM database
- Corpus is the server for repository of Language Bank of Finland resources

Project tries to keep track on the most important connected projects and services. Possible synergies are tried to be detected and made use as much as possible.

The project has an external connection to ESFRI CLARIN ([www.clarin.eu](http://www.clarin.eu)).

A secure portal is planned to be made available to external pilot users.

## 5. Limits

Project involves some fundamental components of CSC's infrastructure. For example, this includes CSC's centralized user management system.

## 6. Project Organization

Project organization consists of project steering group and project group. Owner of the project in CSC's organization is APSE-jr, the Management Group for Application Services.

### 6.1. Project Steering Group

Project steering group members are:

- Krister Lindén (UHEL) will act as a deputy for Antti Arppe. Jussi Piitulainen will act as a deputy for Krister Lindén if needed.
- Totti Mäkelä (CSC)

### 6.2. Project Group

Members of the project group are:

- Satu Torikka (project manager)
- Sean Crowe (main programmer)
- Tero Aalto (Language Bank of Finland administrator)

CSC experts who work as consultants for this project (with roles):

- Ville Savolainen (Development manager for SE, software engineering)
- Mikael Linden, Arto Tuomi (SAML2/Shibboleth, HAKA federation)
- Tero Tuononen, Stephen Avae II, Anne Hintzell and Eero Vitie (CSC's Information Management systems)
- In addition, other CSC experts will be used as consultants, if necessary.

UHEL experts who work as consultants for this project (with roles):

- Jussi Piitulainen (linguistic metadata issues)

## 7. Notes on General Working Practices

Regular project meeting are the following:

- **Project steering group will have regular meetings** every 3-4 months. Meetings will be scheduled when they are considered needed. Project manager and other members of the project group can be invited to the steering group meetings.
- **Technical meetings** will be held approximately once a month. Antti Arppe from UHEL and the project group will participate. Other participants can be invited when necessary.
- **Project group will have weekly project meetings.** Other CSC staff members can be invited to project meeting as necessary.

All relevant project documentation will be stored in KITWIKI and be visible to UHEL and CSC: <https://kitwiki.csc.fi/twiki/bin/view/KitWiki/KieliaineistojenK>

Project will use CSC's Wiki for CSC's internal project documentation: <https://wiki.csc.fi/wiki/Kielipankki/LanguageBankSystemDevelopment>

Members of the project group will use Tiima code “CSC/HY KIELITIEDE 30602”.

## 8. Budget and Resourcing

Project has a dedicated budget and person months (PM) specified in the contract.

Other costs may arise if project members attend courses or conference meetings. Travels will be agreed in unison with UHEL and CSC. If a travel is essential to the project, UHEL will pay the caused travel costs.

Also, the project will most probably need to buy books and other minor things. Most probably, there will be no need to acquire more expensive things such as new computer hardware etc. Other costs of the project will be evaluated by Ville Savolainen and covered by the SE group budget.

Estimation for the human resources: Sean Crowe 10 PM, Satu Torikka 2 PM

## 9. Initial Schedule

Figure 1 shows the initial schedule for the project. In the schedule, tasks are defined with fixed duration and without exact resource allocation.

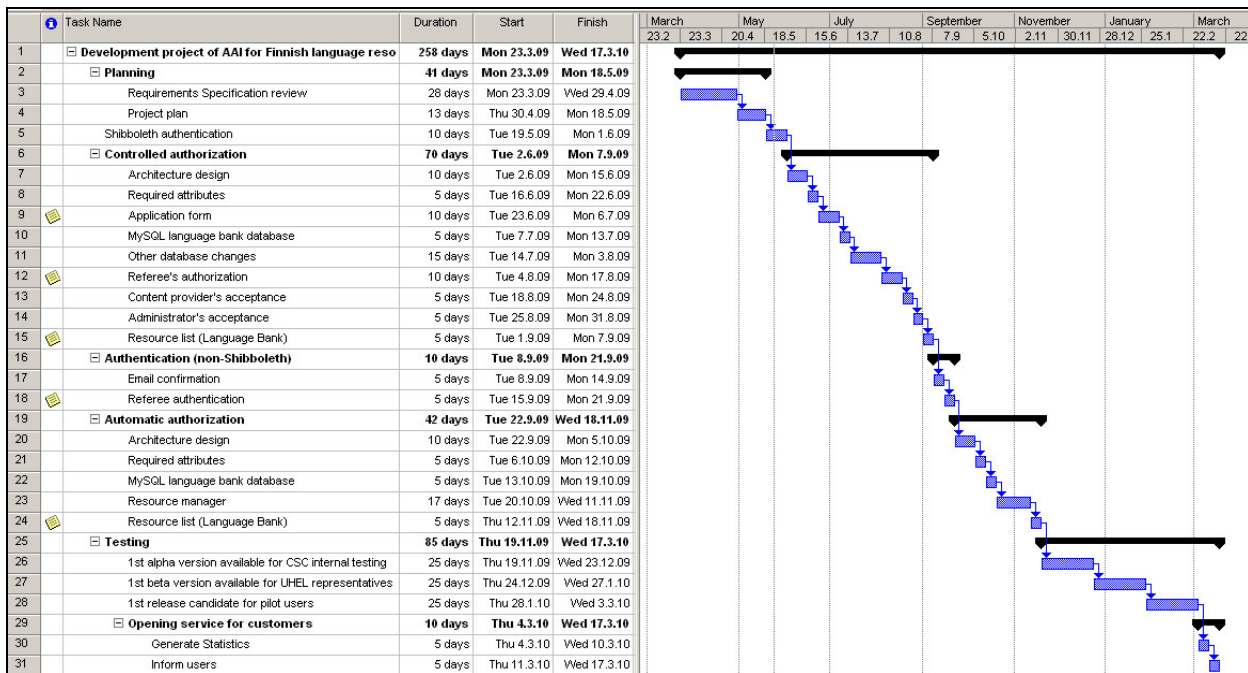


Figure 1. Initial Schedule

### 9.1. Important Milestones

Following are the current milestones for the project:

1. Finalize the project plan (May 18, 2009)
2. Controlled authorization coded, including the Shibboleth & non-Shibboleth authentication, application form and referee processes (September 21, 2009)
3. Automatic authorization coded, including SSO (November 18, 2009)
4. 1<sup>st</sup> alpha version available for CSC internal test purposes (November 19, 2009)
5. 1<sup>st</sup> beta version available for test purposes for the UHEL representatives (December 27, 2009)
6. 1<sup>st</sup> release candidate available for testing for pilot users (January 28, 2010)

7. Opening service for the Language Bank of Finland customers (March 17, 2010)

1<sup>st</sup> alpha version means the first phase of testing in a software development process. This phase includes unit testing, component testing, and system testing. The test phase includes bug tracking and fixing.

1<sup>st</sup> beta version testing can be considered "pre-release testing." Beta test versions of software are now distributed to the UHEL representatives to give the system a "real-world" test and partly to provide a preview of the next release. UHEL may select the testers. The test phase includes bug fixing and agreed minor changes based on UHEL feedback.

1<sup>st</sup> release candidate for pilot users that can be selected by UHEL. The test phase includes bug fixing based on pilot user feedback.

Project steering group will make the final acceptance.

## 9.2. Notes On The Schedule and Milestones

Project milestones can be updated once the project proceeds.

## 10. Risks

Currently identified most important risks are defined in table 1.

Table 1. Identified Open Risks

Risk	Probability (1-5)	Effect (1-5)	Treatment if risk is realized
Difficulties in adopting new technology	3	3	Choosing technology ASAP. Acquire as much knowledge as possible about chosen technology.
Limited human resources vs. vast task	2	4	Get additional human resources or recruit
New technology may introduce new security threats.	1	3	Look for existing secure ways of implementing the project. New technology chosen is not as susceptible to security risks.
Integration problems may arise	4	4	Try to take all current components into account when designing architecture, establish a working relationship with WP2 or other relevant CLARIN work packages.

## 11. Glossary

AAI	Authorization and authentication infrastructure
CRM	Customer Relationship Management
ESFRI	European Strategy Forum on Research Infrastructures
HAKA	Identity federation of the Finnish universities, polytechnics and research institutions, operated by CSC
IdM	Sun Identity Manager for identity management
SUI	Scientist's Interface
UHEL	In this document: University of Helsinki, Department of General Linguistics