Vision

SEETechnology

# Goals

Creating a web service (“SEETech”) which helps connecting SMEs with R&D organizations.

# Basic concepts

## Existing databases

* There are existing, deployed, continuously updated and managed databases with diverse content and detail level.
* We do not want to replace these existing systems.
* Due to the short timeframe it is not possible to implement an API-level connection between the existing databases and the new SEETech system.
* We must avoid duplicate entering of data into the existing and the new SEETech system.
* We do not want to create Yet Another Project/Patent/Service Catalog system.

## Existing websites

* R&D organizations already have websites which satisfy their various needs (customized page layout, image galleries, video uploads, introduction etc.).
* We do not want to replace these existing websites.
* SEETech must contain links to these existing websites, as they are maintained and regularly updated.

## Search

* When an SME is looking for an R&D partner one must be able to decide which of the options is the better, more competent partner.
* The SME does not have to make a decision based on what the R&D partner says about itself, but based on what others say about it (see endorsement and recommendation in LinkedIn).

# Architecture

## Organizations

There are organizations and organization units (“org”) in the system.

All orgs have a profile page which contains its:

* logo
* contact details
* admin contact
* link to the LinkedIn profile of the head of the org
* introduction (formatted free text)
* list of competencies (as tags)
* link to the website of the org
* link to the LinkedIn page of the org
* list of the sub-orgs
* list of its members with links to their LinkedIn profile page
* endorsements and recommendations written by other users

## Organizational hierarchy

Organizations and organization units are ordered into a hierarchy (eg. university 🡪 faculty 🡪 department 🡪 research group).

All org has their admins (delegated administration), who can manage the profile data of the org. The admin can create sub-orgs and promote an existing user to the admin of the new sub-org.

## People

People are connected to the orgs, and they are represented by their LinkedIn profile.

# Competencies

Orgs can display their primary and additional competencies in the form of tags in their profile page. The system contains an initial list of competency tags, but orgs are free to add custom competency tags to their profile.

# Search

* Browse by geographical region and competency tags, and drill-down by the org hierarchy.
* Freetext search in all textual content (mainly the org’s names and introduction).

# Features by roles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Anonymous**  **(not logged in)** | **Logged in user** | **Org admin** | **Sysadmin** |
| Search | + | + | + | + |
| Login via LinkedIn | + |  |  |  |
| Manage my profile |  | + | + | + |
| List my orgs |  | + | + | + |
| Create a new top-level org |  |  |  | + |
| Create a new sub-org |  |  | + | + |
| Edit an org’s profile |  |  | + incl. sub-orgs | + |
| Send a join request to an org |  | + | + | + |
| Approve or deny join requests |  |  | + incl. sub-orgs | + |
| Send a request to create a new sub-org |  | + | + | + |
| Approve or deny requests to create a new sub-org |  |  | + incl. sub-orgs | + |
| Report spam | + | + | + | + |
| Like or unlike an org |  | + | + | + |
| Endorse an org |  | + excl. own | + excl. own | + |
| Write a recommendation to an org |  | + excl. own | + excl. own | + |
| Moderate recommendations |  |  | + incl. sub-org | + |
| Grant org-admin permissions |  |  | + incl. sub-org | + |
| Invite a user to an org |  |  | + | + |
| Accept invitation and join to an org |  | + | + | + |