

BEP frontent



BEP development

Aim is to create project management system, suitable for common business, educational or research projects

Solution based on Redmine.

Redmine is project management web application written using the Ruby on Rails framework.

It is cross-platform and cross-database.



Main technical modifications

Adjustment and configuration of Redmine for BEP purposes

Upgrading the backend system, with the required functionalities

Set-up and maintenance of monitoring system

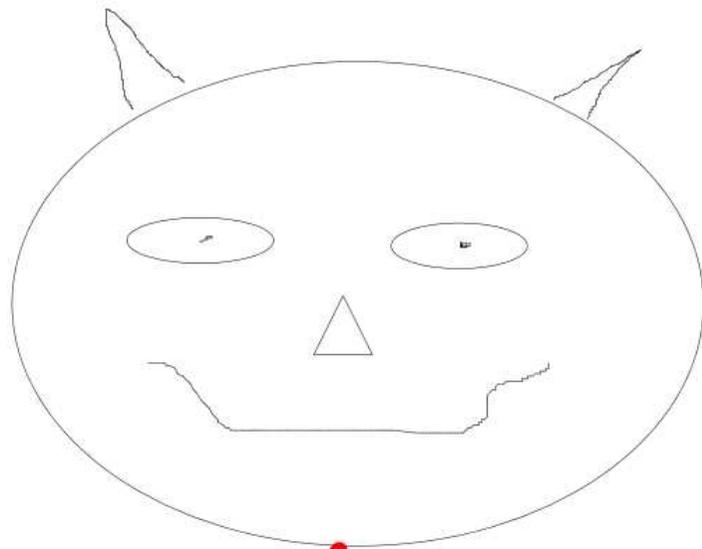
Integration of BEP with BigBlueButton

Integration of Moodle with BEP online conferencing

Development of mobile frontend



Testing BigBlueButton in Skopje



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Technologies used for mobile frontend

Simplified version for overviewing projects and tasks

AngularJS (<https://angularjs.org/>) is a structural framework for dynamic web apps.



Bootstrap (<http://getbootstrap.com/>) is used for mobile friendly development, to create BEP frontend responsive.

Technologies used for Mobile frontend

Bower (<https://bower.io/>) tool is used to manage BEP frontend development.

For programming purposes **NPM** (<https://www.npmjs.com/>) is used to share and reuse code.

For managing multiple languages in BEP **angular-gettext** tool is used

UI-Router angular-ui-router (<https://ui-router.github.io/>) tool is used for routing single page websites

SASS CSS (<http://sass-lang.com/>) is used to describe Cascade Style Sheets for BEP frontend.

Technologies used for Mobile frontend

UI Bootstrap ui-bootstrap (<https://angular-ui.github.io/bootstrap/>) is used to create a link between bootstrap and angular framework.

jQuery (<https://jquery.com/>) JavaScript library to write JavaScript code for frontend.

Gulp (<http://gulpjs.com/>) tool is used to support frontend development, such as reloading the browser automatically whenever a file is saved and optimizing assets like CSS, JavaScript, and images.

Mobile frontend development

Redmine REST API was used to create mobile friendly frontend of the BEP system, such as Issues, Trackers, Users and Enumerations

Redmine API

Redmine exposes some of its data through a REST API. This API provides access and basic CRUD operations (create, read, update, delete) for the data. The API supports both [XML](#) and [JSON](#) formats.

API Description

Resource	Status	Notes	Availability
Issues	Stable		1.0
Projects	Stable		1.0
Project Membership	Alpha		1.1

Mobile frontend login screen



Mobile frontend projects screen

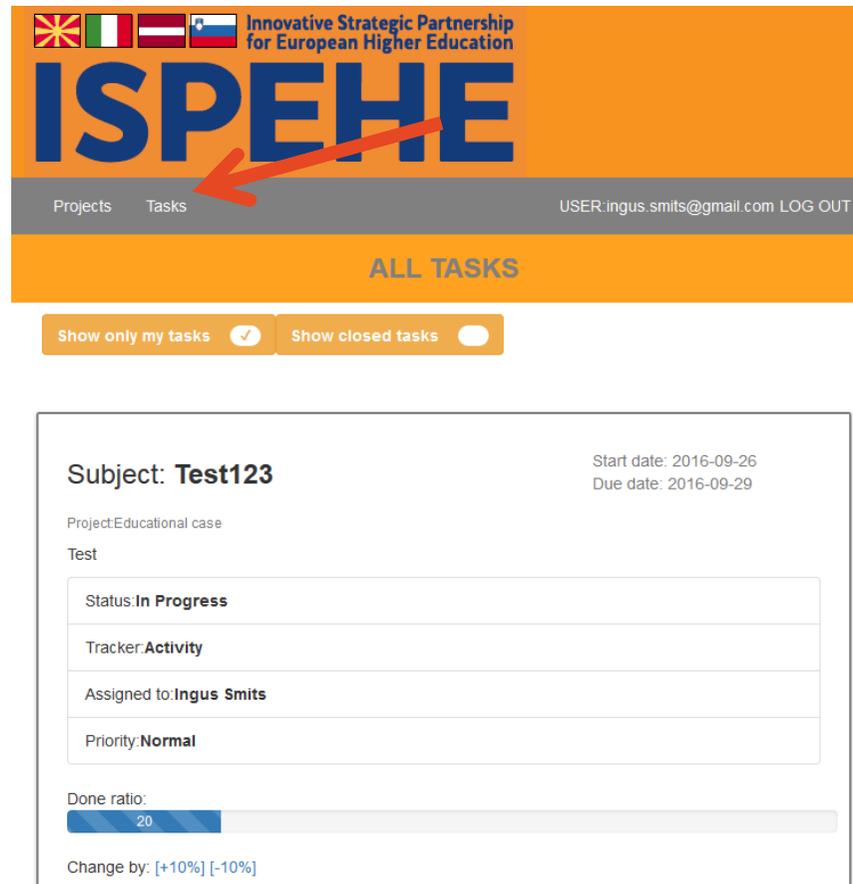
ISPEHE Innovative Strategic Partnership for European Higher Education

Projects Tasks USER:ingus.smits@gmail.com LOG OUT

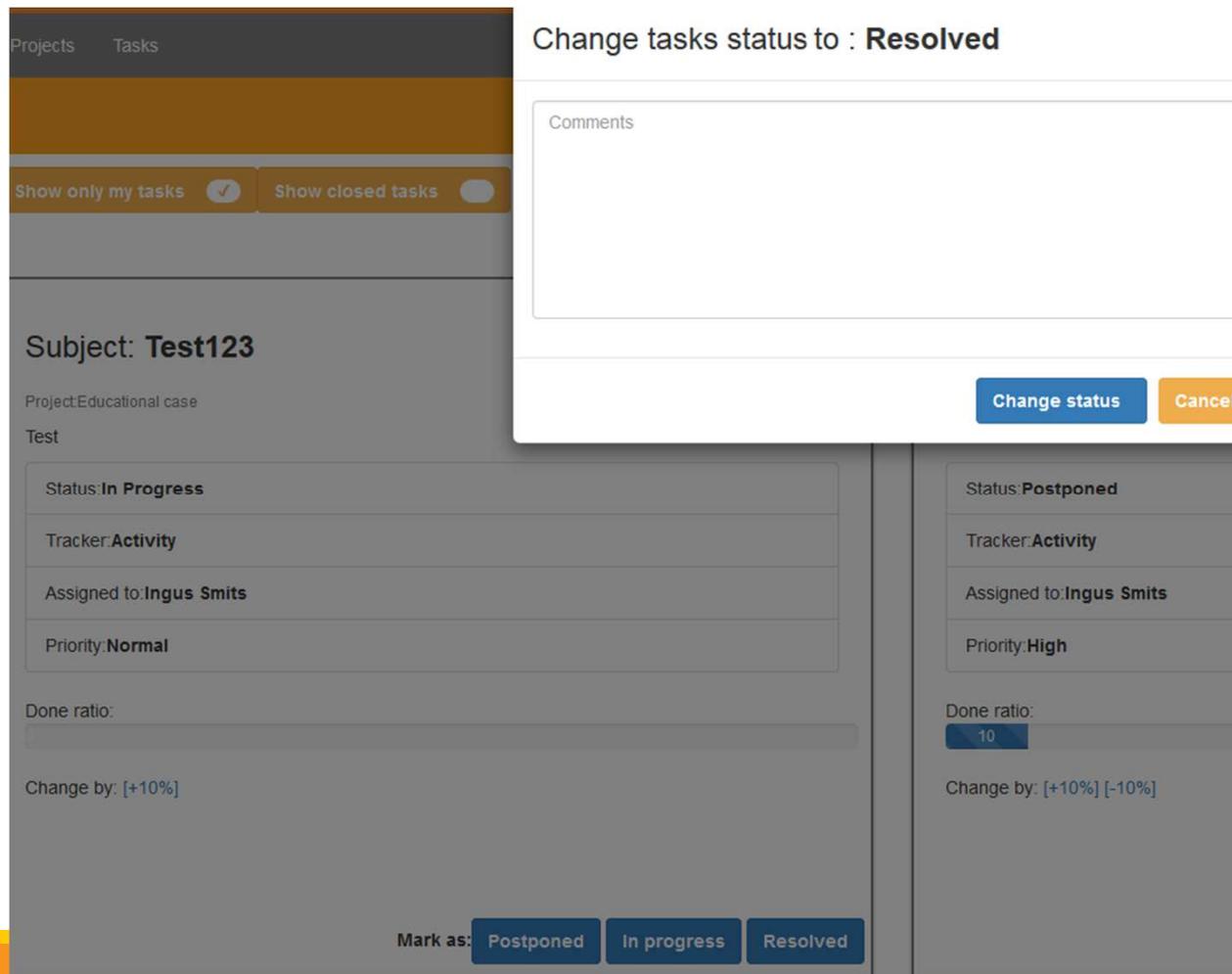
ACTIVE PROJECTS

- BEP testing** [All tasks] [My Tasks]
project for BEP platform testing
 - . Educational case [Add task] [All tasks] [My Tasks]
 - . General Case [Add task] [All tasks] [My Tasks]
 - . IT case [Add task] [All tasks] [My Tasks]
 - . Research case [Add task] [All tasks] [My Tasks]
- FBE International Cooperation** [Add task] [All tasks] [My Tasks]
Cooperation with external Unvierisities
 - . Choosing a product [Add task] [All tasks] [My Tasks]
Joining project between institutions for choosing a product.
- Ispehe** [Add task] [All tasks] [My Tasks]
Innovative Strategic Partnership for European Higher Education.

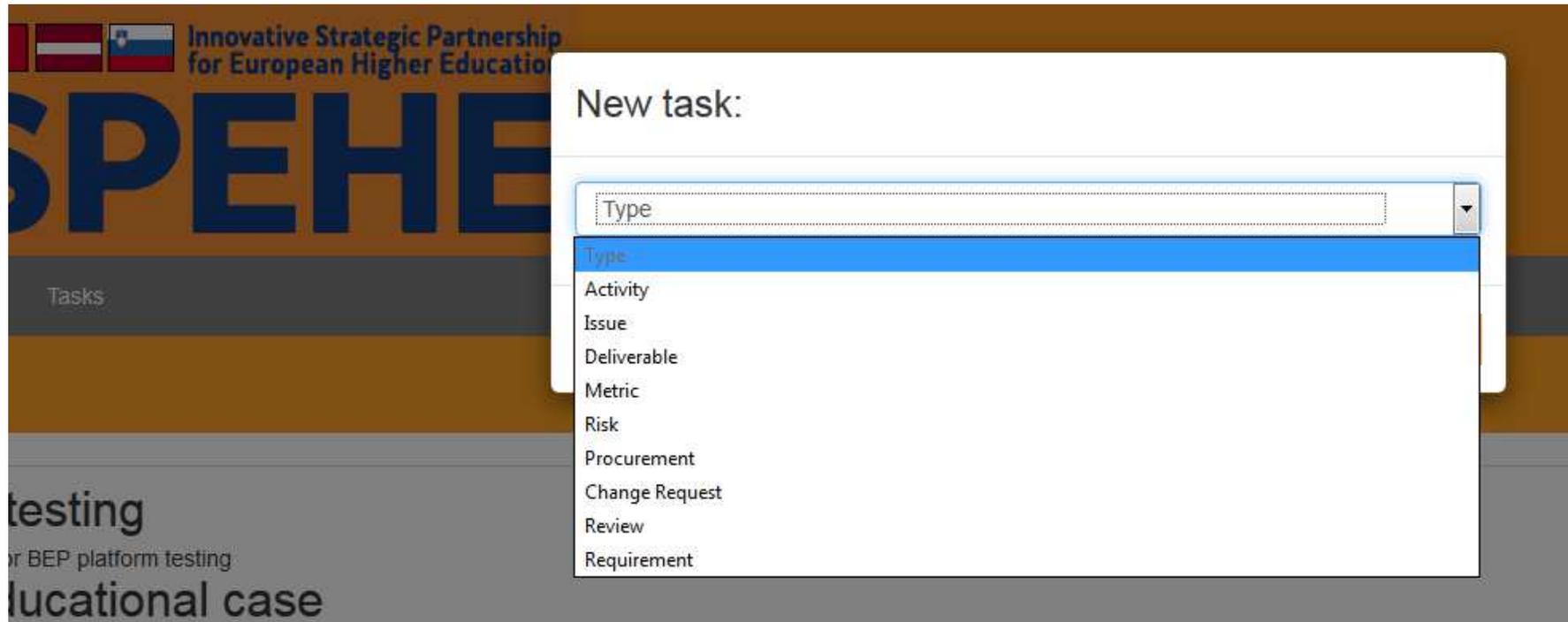
Mobile frontend tasks screen



Mobile frontend tasks status



Mobile frontend add task



Mobile frontend new task screen

New task:

Issue

Status

- Status
- New
- In Progress
- Resolved
- Feedback
- Closed
- Rejected
- Cancelled
- Postponed
- Delivered
- Accepted
- Monitoring
- Analysis
- Open
- Occurred
- Preparation
- Announced
- Evaluation
- Removed
- Approved

Create task Cancel

Mobile frontend new task screen

New task:

Issue

In Progress

High

Gatis Vitols

Presentation at EKA at 30.11.

Can you prepare presentation for meeting at EKA.

Start date

November 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
44	30	31	01	02	03	04
45	06	07	08	09	10	11
46	13	14	15	16	17	18
47	20	21	22	23	24	25
48	27	28	29	30	01	02

Create task Cancel

Performed quality assurance testing

Identification of web browser compatibility

Link validation

Styles validation

Form validation

Email notification validation

Plugin validation

Validating accessibility

Code validation (W3C standards)

Localization validation

Thank you

