Frontend

**Search:**
1. You can search in 'Projects' by default
2. You can search in 'Blog' by selecting from the search drop-down

1.1 Home

Listing of latest added projects. The listed projects have a short description and a 'read more' button that at click transfers you on the project detail page. Along with the short description you also have in the right side filters in a tag cloud.

Creation date and last update date are included in the listing.
Project detail page has the project summary, social sharing options (Facebook, Google+, LinkedIn, Twitter) and the comment section.

Note: Comments are moderated and will only appear after they have been approved.

Functionalities

- Produce an homogeneous SW system from a set of heterogeneous functions (Written in C, Ada, Simulink, VHDL, SCADE, and/or SQL)
- Provide facilities for schedulability analysis (Integrates CHEDDAR, RAST, and Monitor)
- Provide features for early verification and testing of the generated SW (GNU and Python scripts)
- Provides built-in behavioural modeling facilities (state machine editor) and automatic code generation
- Generate multiple implementations (manage distribution) from one unique model: reuse-application portability
- Supports the integration of FPGA components
- Support expandability of features through openness to external tools.
- Supports connection with SQL databases

Comments

Add a comment

POST

Contact Project Owner

→ Email*

→ Subject*

→ Message*

→ Security Code*

SEND MESSAGE
1.2 Log In
After clicking the “Log In” button a login form page is displayed:

- “Don’t have an account? Register Now!” link page button
- Username - Text input field
- Password - Password field
- “Forgot Password” link button to Forgot Password page form
- “Login” button

Forgot Password form

- E-mail* - text area field
- Submit - button
1.3 Register

On this page the user can find the “Register” form. The workflow of creating a new account has 3 main steps:

1. Complete the registration form correctly. (You will receive a confirmation email.)
2. Confirm the account from the email confirmation link.
3. Wait for an admin to enable the account and assign credentials. (You will receive a confirmation email.)

This form contains the following fields, the required fields have included ‘*’:

- First Name* - text field, only letters are allowed
- Last Name* - text field, only letters are allowed
- Email* - text field. Email template required
- Confirm Email* - text field. Email template required
- Password* - text field, minimum 8 characters
- Confirm Password* - text field, minimum 8 characters
- Job Title - text field
- Company Name* - text field
- Company Industry* - drop down menu or/and text field
- Company Address* - text field
- Company Postal Code* - text field
- Company City* - text field
- Company Country* - drop down menu
  - Automatic location for your current Country
  - Note: An error message will be displayed for non-ESA countries (please see screenshot below)
- Company phone number* - text field
- Company Employees - range drop down menu
- Company website - text field
- EMITS Vendor Code - text field
- ESA-STAR Entity Code - text field
- Captcha security code with a text field & refresh button
- Register button
Thank you for your interest in our European Space Software Repository.

The repository includes two types of software. One is publicly and worldwide available, and you may access it without further registration. The other type is software that our ESA Member States have flagged as being only available within ESA Member States, due to industrial policy choice. To access this software, a registration is needed.

That is why the registration is limited to representatives of Member States industry. Unfortunately, we cannot grant access outside ESA Member States.

We trust that you will find anyhow interesting pieces of software in the public area.
1.4 User Account

This form is somewhat similar with the Register form. At this page you can find/update
the user information.

- First Name* - text field, only letters are allowed
- Last Name* - text field, only letters are allowed
- Job Title - text field
- Company Name* - text field
- Company Industry* - drop down menu and text field
- Company Address* - text field
- Company Postal Code* - text field
- Company City* - text field
- Company Country* - drop down menu
- Company Phone Number* - text field
- Company Employees - range drop down menu
- Company website - text field
- EMITS Vendor Code - text field
- ESA-STAR Entity Code - text field
- Save button
- Change Email button
- Delete button
OBS - Additionally, on this page, there are the change email and/or delete account options.

**Change Email** - when changing the email, the new address will just have to be confirmed by the user form the new email address. The admin isn’t required to approve an email change.

- Email* - text field
- Repeat Email* - text field
- Change email button

**Delete Account**
The account deletion has 4 steps:

1. Go to Account -> Profile page
2. Click on the delete button
3. Assign to other users or delete your projects
4. Confirm the account deletion

When deleting the account you have to take into account that before that you need to disassociate yourself from the settings project(s) page or submit a delete project request. This can be done using the two buttons displayed on the page.

- Projects list with ownership status and action buttons.
- Settings button (assign another user and remove yourself from the project)
- Delete button (this requires an admin’s approval)
Project Settings - on this page you can add another owner to the project and/or remove yourself.

- **Email** - text box (only valid users can be added)
- **Submit** button.
- **User list** information.
- **Delete** button.

**DEMO ESA - SETTINGS**

Add new user

+ **E-Mail**

![Email input field]

**Name** | **User** | **Role** | **Actions**
---|---|---|---
User Esa | user@esa.int | owner | ![Delete button]
Admin Esa | admin@esa.int | owner | ![Delete button]

**DELETING YOUR ACCOUNT**

You are associated with the following project(s):
Please dissociate yourself from the settings projects page or submit a delete project request.

NOTE: If you decide to send a delete project request, the administrator can decide to remove your access and keep the project available.

<table>
<thead>
<tr>
<th>Project</th>
<th>Project ownership status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Proposal</td>
<td>You are the only project owner, you can request the project to be deleted.</td>
</tr>
<tr>
<td>Demo Esa</td>
<td>You can safely remove yourself from the project. You can also request the project to be deleted.</td>
</tr>
</tbody>
</table>
DELETING YOUR ACCOUNT

If you erase your account you will not be able to recover it.
Please confirm your account deletion.

CONFIRM

BACK TO MY ACCOUNT

Change password

- Current Password*
- Password* - text field, minimum 8 characters.
- Confirm Password* - same as the above field.

1.5 Projects
In this section the user can manage his projects and the projects he has been assigned to. A user can add storage to his project upon confirmation by an admin.
- Add new project button
- Project list containing the title, visibility and status of projects
- Edit button
- Settings button
• **File Manager** button (only if/after a request/confirmation has been made)
• **Stats** button
• **Delete** button
• **Sort options** - in front of every column name there are the up/down arrows that allow sorting.

1.5.1 Add new project
On this page you can find the 'Add Project' form. This form contains the following fields, the required fields have included "*":

• **Project title** - text field.
• **Description** - the user has a WYSIWYG Editor for formatting the text and also he can add images.
• **Tags** - these tags will be used for filtering the results in listing. Enter at least a letter and a drop down list will be displayed, based on already saved tags present in the db.
• **Owner** - radio buttons and text field
• **Repository Type** - drop-down select option.
• **Licenses** - multiple select options on added licenses.
• **Visibility** - who will have access to the project in question. Depends on License(s) view properties.
• **Links** - section for adding multiple links.
  o **Type** - drop-down select option. (Other drop down options can be added by an admin in the backend if needed).
  o **URL** - Text box (address of the project must be inserted).
  o **Name** - text field where you have to add the project name.
  o **Visibility** - multiple options. Depends on the Visibility & Licenses view properties.
  o **Need authentication** - check box.
  o **Delete** button. This option is referring only for the link.
• **Add Link** button. The user can repeat the steps from above to add another URL at this project.(This option opens a new Links section with the appropriate fields - **Type**, **Url**, **Name**, **Visibility**, **Need authentication** and **Delete**).
• **Do you need storage?** - check box. If approved by an admin, this will enable the user to add/store the project on ESA servers.
• **Do you want to have authentication on links?** - check box. When selected, the user that tries to access your project will need user and password.
- **Comment** - Text box for posting a comment.
- **Submit** button.

**Note!** The edit option leads to a page with similar options as the “Add new project” page.
PROJECT DETAILS

Title*

Description*

Tags*

Owner*

Repository Type

Licenses*

Visibility*

Links

Comment

The Owner of the external project hereby agrees to defend, indemnify, and hold the Owner harmless against any claim, demand, suit or proceeding made or brought against the Owner by a third-party alleging that the Licensee's project in violation of the license. The Owner shall, at the Owner's expense, defend, indemnify, and hold the Owner harmless against any claim, demand, suit, or proceeding or liability suffered by the Owner by reason of the Owner's use or distribution of the Licensee's project.

I confirm that I am the owner of the project or act on his behalf and may grant the license to third parties.
1.5.2 File Manager

The file manager enables the project to be stored on ESA servers.

- **Create** button. Creates a node in the file manager. This enables a better tracking of the project files.
- **Rename** button. Rename the node.
- **Delete** button. Deleting a node will also delete the file.
- **Open Uploader** button.

**FILE MANAGER**

**Uploading files**

To upload files click on the browse button. This will bring out a typical upload file window.

- First of all select the folder/node in which you want to upload the file.
- The file size depends on the server settings.
- Only one file per upload can be selected.

Please note that the maximum file size that can be uploaded in the application is written after “max.” label. However, if the server is misconfigured (like in the screenshot), a warning appears in yellow, stating the server constraint.

**Uploaded file**

- A **green/red message** informing if the file was uploaded.
- **Name** - Text Box.
- **Description** - Text Box.
- **Visible** - check box. Sets the visibility of the file.
- **Save** button.
- **Uploaded files list** containing information about the files uploaded in the selected node (Selection checkbox, Name, Type, Size, Creation date and action buttons).
  - **Download** button. Download the file.
  - **Generate external link** button. Generates a link with a predefined lifetime set by the admin in the backend settings.
  - **View** button. Triggers the file details page.
  - **Edit** button. Triggers the edit file page.
• View project button.
• Delete selected button. Deletes the files ticked by the check box in the uploaded files list.

Hint: A node (and its content) can be moved by holding the left click button on a node you want to move, and then releasing over the target location.

1.5.3 Project Requests
On this page you can view the history of your project requests. It’s a list containing several useful information:

• Request type: A new project proposal or either a project change request.
• Request status: It shows if the request was accepted or rejected.
• Project title
• Project visibility
• User name: This is helpful in the case of shared projects.
• User email
• Actions: There is a view button where you can see the changes that were requested to the project. In case the request is still pending there is also the delete request button.
• Sort options - in front of every column name there are the up/down arrows that allow sorting.
1.6 Blog
Listing of the latest added posts. The listed posts have a short description and a 'read more' button that at click transfers you on the post detail page. Every post has a created date, a last update date and a tag cloud for filtering the posts at your choice. A RSS feed button is also present.
1.7 Contact form
- Email address - text input field.
- Subject - text input field.
- Message - text area field.
- Captcha security code.
- 'Send message' button.

![Contact Page](image)

1.8 Licenses
A page listing all available licenses. Clicking on the license name the user is redirected to the license page to find out more details.

![Licenses Page](image)

**Available Licenses**

1. European Space Agency Public License - v1.0 (Type 3)
2. European Space Agency Public License - v2.0 (Type 2 (relaxed))
3. European Space Agency Public License - v2.0 (Type 2 (relaxed))
4. European Space Agency Public License - v2.0 (Type 2)
5. ESA Software Community License - Type 2 (relaxed)
6. ESA Software Community License - Type 2 (relaxed)
7. ESA Software Community License - Type 2 (relaxed)
8. ESA Software Community License - Type 1 (relaxed)
EUROPEAN SPACE AGENCY PUBLIC LICENSE – V2.1 – TYPE 3

European Space Agency Public License – v2.1 – Type 3

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