



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Facultat d'Informàtica de Barcelona



Manual

GESSI-SLR 1.3.0



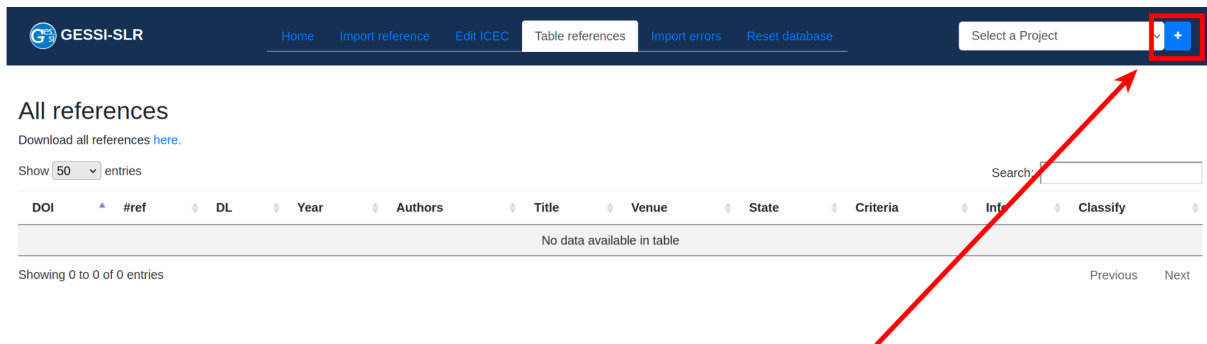
Index

Index	1
1. Project	1
1.1. Create Project	1
1.2. Select Project	2
1.3. Edit Project	2
1.4. Delete Project	3
2. Criteria	5
2.1. Create Criteria	5
2.2. Edit Criteria	5
2.3. Delete Criteria	6
3. Reference	7
3.1. Import Papers	7
3.2. Add paper	9
3.3. Search Result	9
3.4. Reference details	10
3.5. Classify Reference	11
3.6. Delete Reference	13
3.7. Download references search result and screening	13
4. Reset Database	14

1. Project

1.1. Create Project

You will be able to create Projects through the blue button with a “+” in the upper right corner.



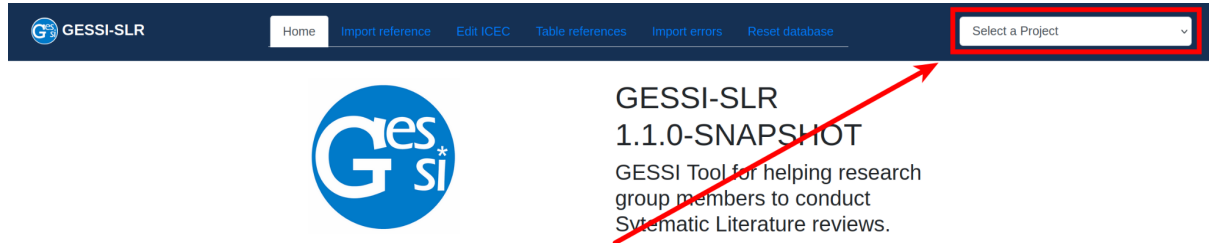
When you press the button a form like these will be displayed, then first you will have to fulfill the name of the project you want to create and press the submit button to create it. **Caution:** You can not repeat the name of a project.

A screenshot of the 'Create Project' form. The form is a white box with a title bar that says 'Create Project' and a close button (X). Inside the form, there is a text input field labeled 'Name'. To the left of the form, there are two red circles with the numbers '1' and '2' inside them. A red box highlights the 'Name' input field and the 'Submit' button. A red arrow points from the 'Name' input field to the 'Submit' button.

If the project was successfully created the page will reload with the project you have created.

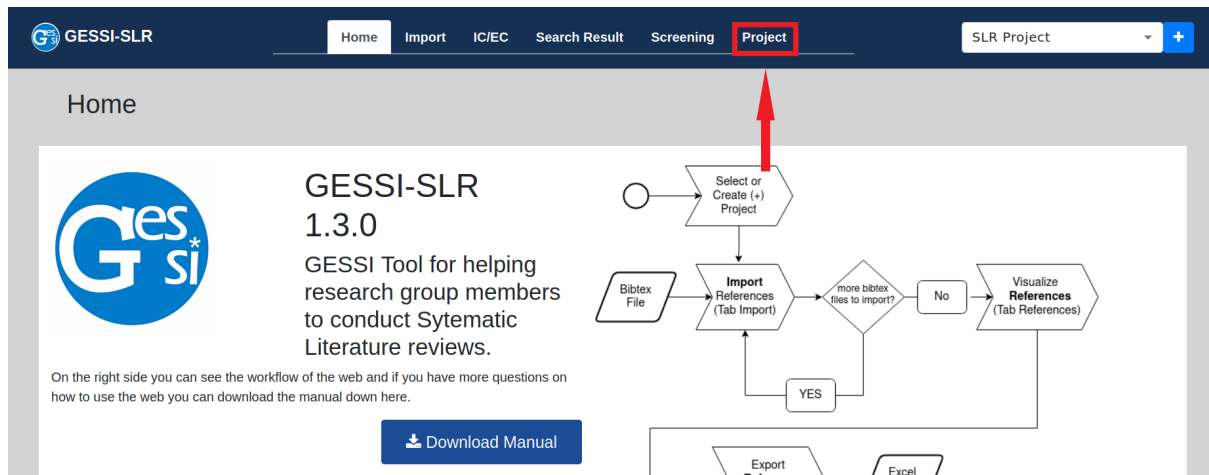
1.2. Select Project

You can go to any of the pages where you will be able to select Projects through the drop down menu in the upper right corner, you will have to select one of the projects that appears.



1.3. Edit Project

In order to edit project data, you have to go to the Project page



Then you can edit project data attributes. Press button 1 to upload a new protocol image. Press button 2 to add a new user to the project. Press button 3 to add a new digital library to the project.

Once you are done, press button 4 to update project data.

HomeImportIC/ECSearch ResultScreeningProject

SLR Project

Name

SLR Project

11/1000

Topic

0/500

Research Questions

0/5000

Protocol

0/5000

1

Users

Username

Select Username...

0/5000

Info

0/5000

2

Digital Libraries

Digital Library

Search String

0/5000

Number of Results

3

Comments

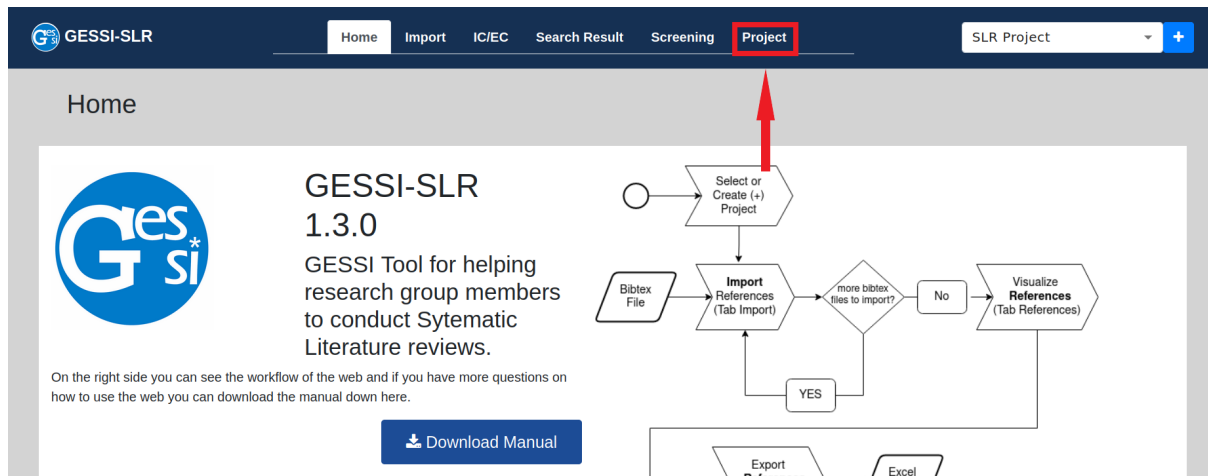
0/5000

4

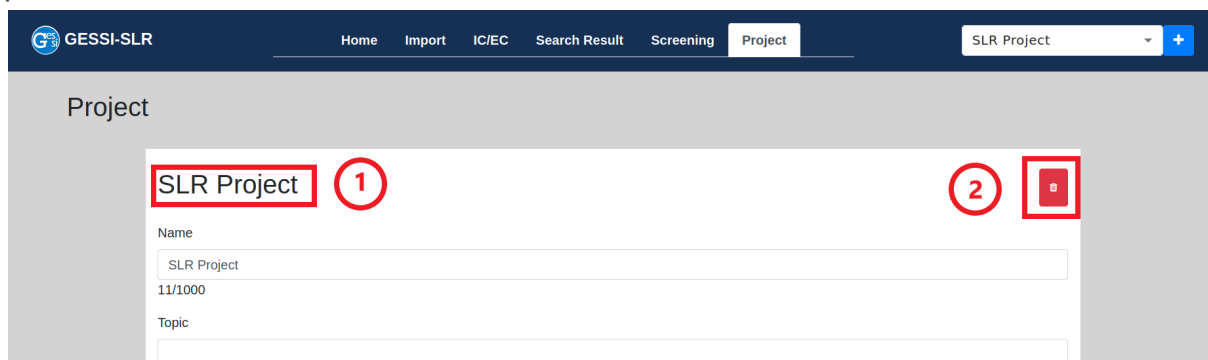
Update project data

1.4. Delete Project

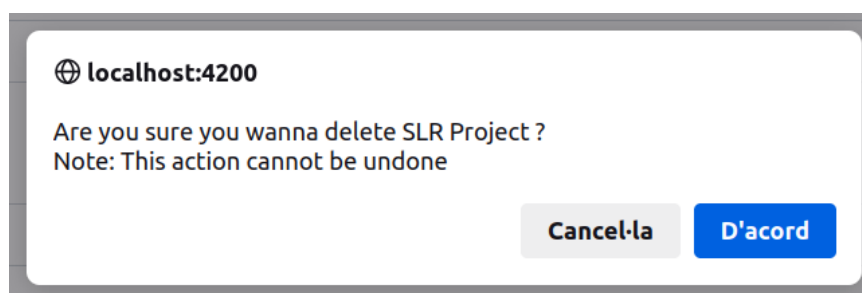
First you have to go to the Project page.



Then you have to ensure that you have selected the project you want to delete and press the button.



The following dialog will be displayed and you have to press the confirm button.

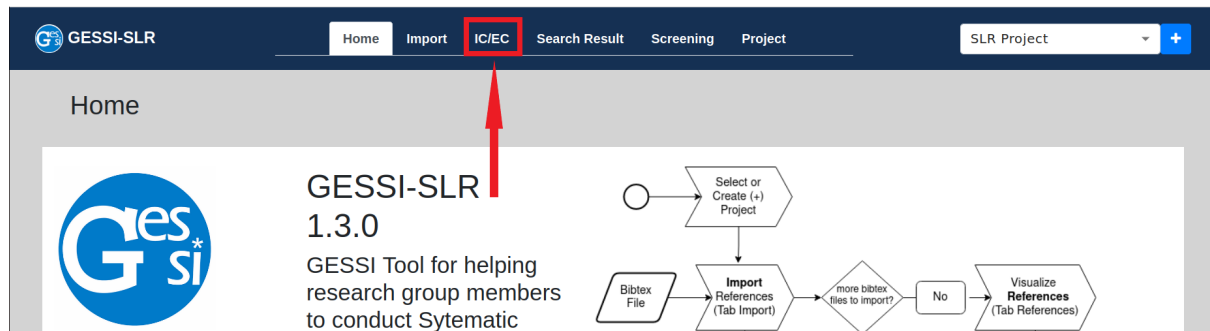


After these: projects, all the references and the criterias of the project will be deleted.

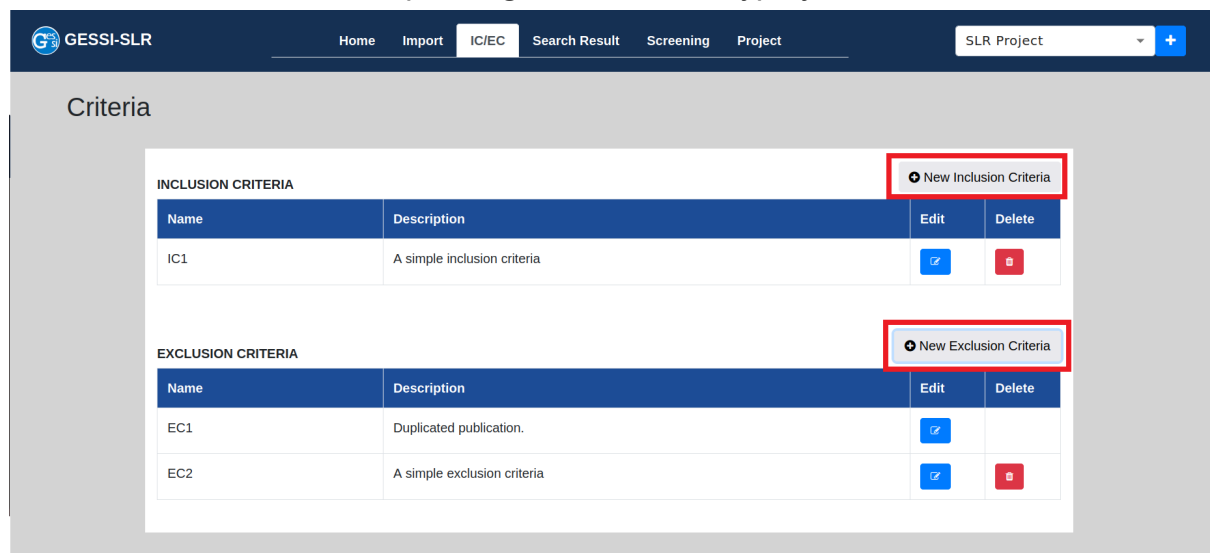
2. Criteria

2.1. Create Criteria

First you have to go to the Criteria page.



Press one of the buttons, depending on the criteria type you want.



Enter a name and criteria description and press create criteria button.

New inclusion Criteria

Criteria name

Enter identifier ICEC

Description

Enter description

Type

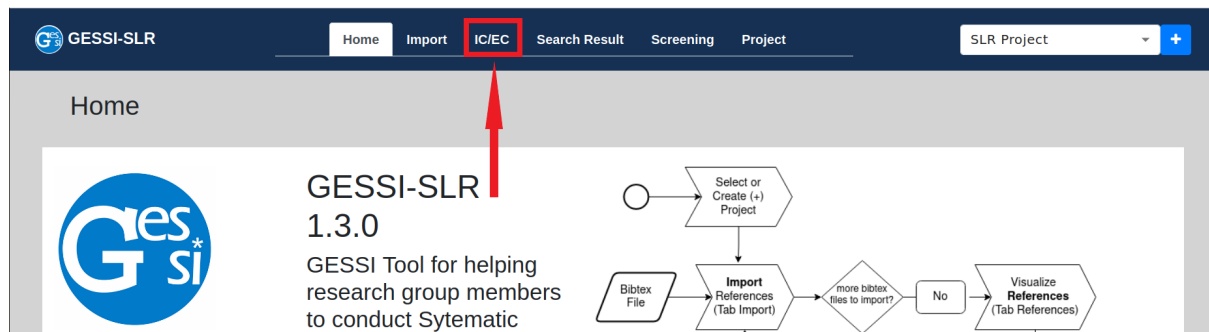
Inclusion

Clear

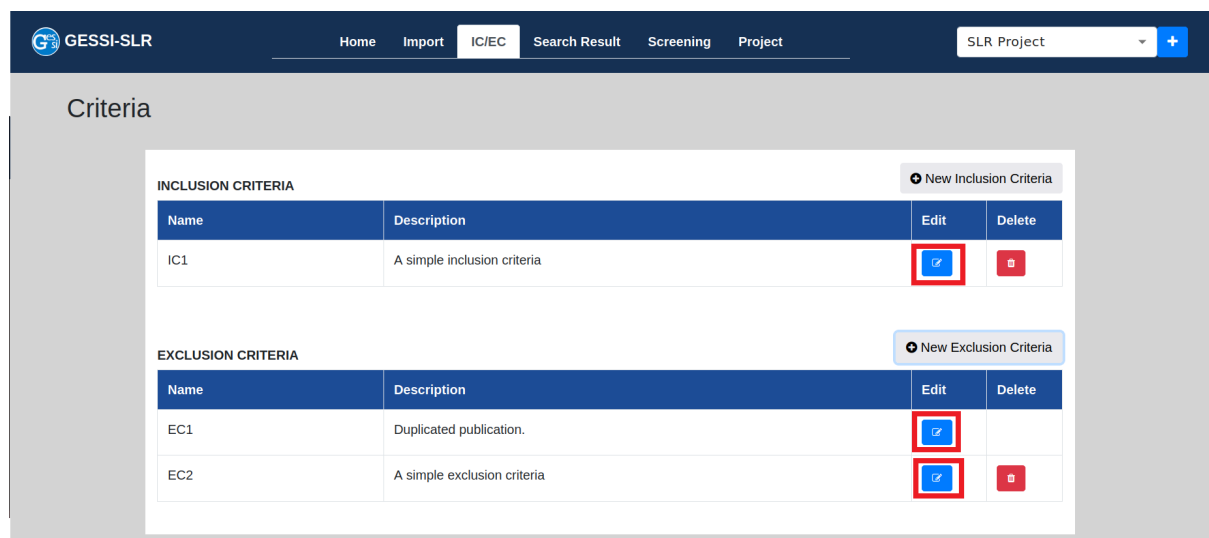
Create criteria

2.2. Edit Criteria

First you have to go to the Criteria page.



Press the edit button of a criteria



Edit name and description as you wish and press edit criteria button to update criteria information.

Edit Criteria

Criteria name

IC1

Description

A simple inclusion criteria

Type

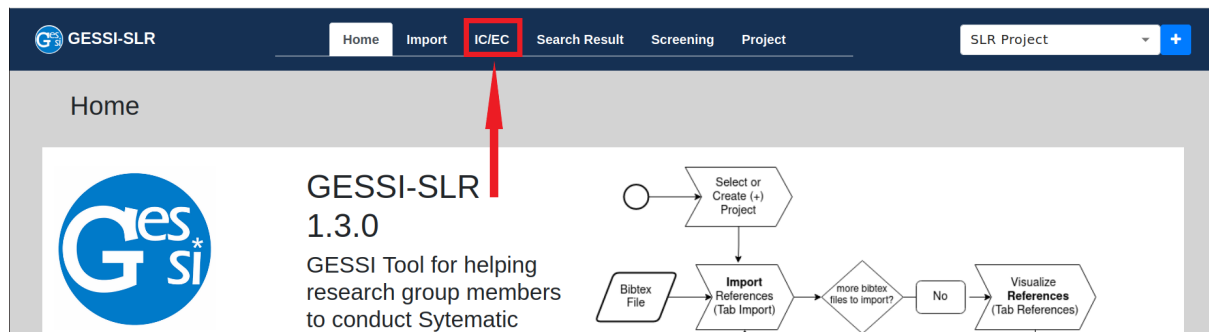
Inclusion

Clear

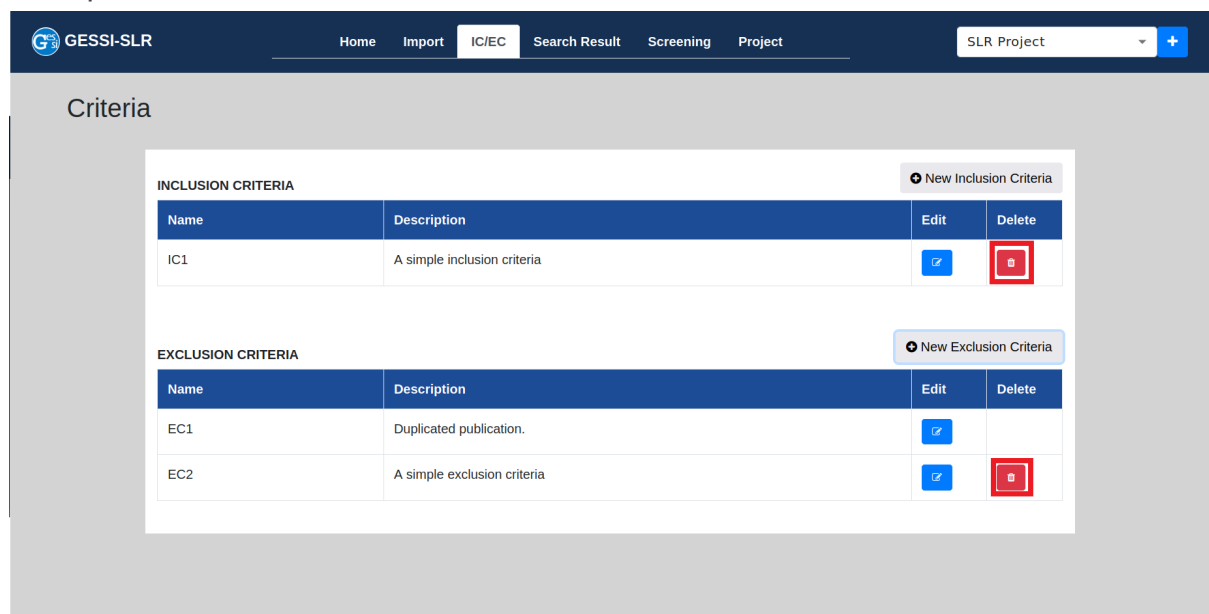
Edit criteria

2.3. Delete Criteria

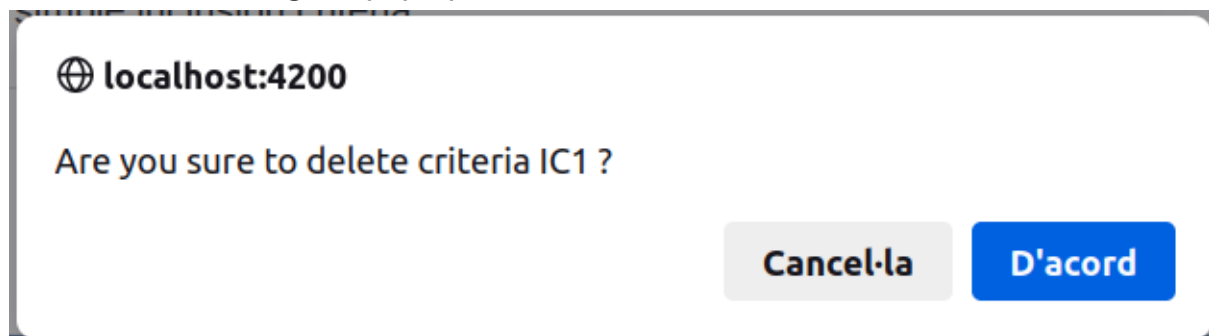
First you have to go to the Criteria page.



Then press delete button. EC1 can not be deleted



A confirmation dialog will pop-up



3. Reference

3.1. Import Papers

First you have to go to the Import page.

The screenshot shows the GESSI-SLR 1.3.0 Home page. The navigation bar at the top includes 'Home', 'Import' (highlighted with a red arrow), 'IC/EC', 'Search Result', 'Screening', and 'Project'. The main content area features the GESSI-SLR logo, version 1.3.0, and a description: 'GESSI Tool for helping research group members to conduct Sytematic Literature reviews.' Below this is a workflow diagram: a circle leads to 'Select or Create (+) Project', which leads to 'Import References (Tab Import)'. A 'Bibtex File' is input into 'Import References'. A decision diamond asks 'more bibtex files to import?'. If 'No', it leads to 'Visualize References (Tab References)'. If 'Yes', it loops back to 'Import References'. A text box at the bottom left states: 'On the right side you can see the workflow of the web and if you have more questions on how to use the web you can download the manual down here.'

Here you have to select the project where you want to import the references, then select the .bib you want to import and the Digital Library where you got the file, you can choose between 6 options, Scopus, Web of science, IEEE Xplorer, ACM DL, ScienceDirect and SpringerLink; and then press the button create reference.

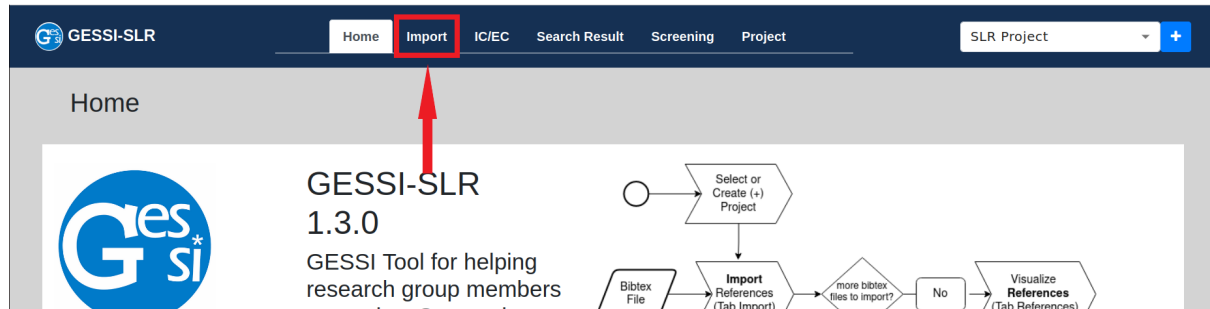
The screenshot shows the 'Add Papers' form in the GESSI-SLR application. The navigation bar is the same as the previous screenshot. The form is titled 'Import papers (bibTex format)'. It has a 'File' section with a text input field containing 'Navega...' and a placeholder 'No s'ha seleccionat cap fitxer.'. Below this is a 'Digital Library' section with a dropdown menu showing 'Select a digital library'. There are 'Clear' and 'Import' buttons at the bottom of the form.

After pressing the button a message like this or an error will appear.

The screenshot shows the success message after importing papers. The form is titled 'Import papers (bibTex format)'. It displays the following information: 'Imported file name: IEEE-Tertiary.bib', 'Number of references imported: 30', 'Number of references already in the project: 0', 'Digital library of imported file: 3. IEEE Xplore', and 'Import process successfully.'.

3.2. Add paper

First you have to go to the Import page.



Scroll down until you find Add paper section

Add Paper

DOI (or id in case the paper has not a DOI)

Enter doi

Doi is required to create a reference

0/100

Author

Enter Authors

format: surname, name;surname, name; ...

Title

Enter title

0/200

Venue

Enter venue

0/300

Year	Volume	Number	Pages
Enter year	Enter volume	Enter number	Enter pages
Numbers only	0/20	0/10	0/20

Number of pages

Enter number

Numbers only

Type

Enter type

0/50

Abstract

Enter article's abstract

0/10000

Keywords

Enter keywords

0/1000

Affiliations

Enter affiliation names

format: name1;name2;...

Clear

Import

Once you are done press the import button. If all goes wright, a message like this will appear:

Affiliations

format: name1;name2;...

Clear
Import


Reference imported successfully

3.3. Search Result

First you have to go to the Search Result page

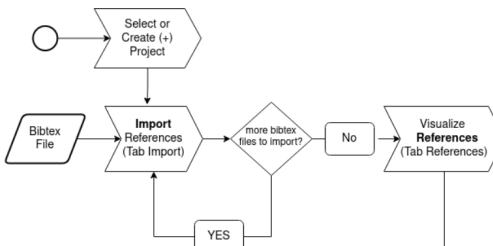
GESSI-SLR
Home
Import
IC/EC
Search Result
Screening
Project
SLR Project

Home



GESSI-SLR 1.3.0
GESSI Tool for helping research group members to conduct Sytematic Literature reviews.

On the right side you can see the workflow of the web and if you have more questions on how to use the web you can download the manual down here.



You can order by all attributes(2) or filter results(1) (or both).

GESSI-SLR
Home
Import
IC/EC
Search Result
Screening
Project
SLR Project

All references

Download references (.xls)
Filter References

DOI	#ref	DL	Year	Authors	Title	Venue	Abstract	Info	Delete
10.1109/ASYU50717.2020.9259875	1	IEEE Xplore	2020	Bayram, Egemen ; Doğan, Buket ...	Bibliometric Analysis of the Tertiary Study on Agile Software Dev...	2020 Innovations in Intelligent Systems and A...	This study aims to examine the systematic literatu...	Info	Delete
10.1109/ICGSE-W.2011.12	2	IEEE Xplore	2011	Hanssen, Geir K. ; Šmite, Darja ...	Signs of Agile Trends in Global Software Engineering Research: A ...	2011 IEEE Sixth International Conference on G...	In this paper we present preliminary findings from...	Info	Delete
10.1109/BoKSS52540.2021.00011	3	IEEE Xplore	2021	Jiang, Shanshan ; Jakobsen, Kine ...	Blockchain and Sustainability: A Tertiary Study	2021 IEEE/ACM International Workshop on Body ...	Blockchain is an emerging technology with potentia...	Info	Delete

3.4. Reference details

First you have to go to the Search Result page

Home

GESSI-SLR 1.3.0
GESSI Tool for helping research group members to conduct Sytematic Literature reviews.

On the right side you can see the workflow of the web and if you have more questions on how to use the web you can download the manual down here.

```
graph LR
    Start(( )) --> Select[Select or Create (+) Project]
    Select --> Import[Import References (Tab Import)]
    Import --> Decision{more bibtex files to import?}
    Decision -- YES --> Import
    Decision -- No --> Visualize[Visualize References (Tab References)]
```

Click info button to get reference details

All references

Download references (.xls) Filter References

DOI	#ref	DL	Year	Authors	Title	Venue	Abstract	Info	Delete
10.1109/ASYU50717.2020.9259875	1	IEEE Xplore	2020	Bayram, Egemen ; Doğan, Buket ...	Bibliometric Analysis of the Tertiary Study on Agile Software Dev...	2020 Innovations in Intelligent Systems and A...	This study aims to examine the systematic literatu...	Info	Delete
10.1109/ICGSE-W.2011.12	2	IEEE Xplore	2011	Hanssen, Geir K. ; Šmite, Darja ...	Signs of Agile Trends in Global Software Engineering Research: A ...	2011 IEEE Sixth International Conference on G...	In this paper we present preliminary findings from...	Info	Delete
10.1109/BoKSS52540.2021.00011	3	IEEE Xplore	2021	Jiang, Shanshan ; Jakobsen, Kine ...	Blockchain and Sustainability: A Tertiary Study	2021 IEEE/ACM International Workshop on Body ...	Blockchain is an emerging technology with potentia...	Info	Delete

Reference

#ref	1
DL-name	IEEE Xplore
Year	2020
DOI	10.1109/ASYU50717.2020.9259875
Authors	Bayram, Egemen ; Doğan, Buket ; Tunali, Volkan; Dogan, Buket ; Tunali, Volkan; Bayram, E. ; Dogan, B. ; Tunali, V.
Title	Bibliometric Analysis of the Tertiary Study on Agile Software Development using Social Network Analysis
Venue	2020 Innovations in Intelligent Systems and Applications Conference (ASYU)
Type	INPROCEEDINGS
Affiliations	Marmara University, Faculty of Technology, Department of Computer Engineering, Istanbul, Turkey; Maltepe University, Faculty of Engineering and Natural Sciences, Department of Software Engineering, Istanbul, Turkey

3.5. Classify Reference

First you have to go to the Screening page.

The screenshot shows the GESSI-SLR 1.3.0 interface. The top navigation bar includes 'Home', 'Import', 'IC/EC', 'Search Result', 'Screening' (highlighted with a red box), and 'Project'. A dropdown menu for 'SLR Project' is on the right. The main content area features the GESSI-SLR logo and a description: 'GESSI Tool for helping research group members to conduct Sytematic Literature reviews.' Below this, a workflow diagram illustrates the process: 'Select or Create (+) Project' leads to 'Import References (Tab Import)', which then leads to a decision 'more bibtex files to import?'. If 'No', it leads to 'Visualize References (Tab References)'. If 'Yes', it loops back to 'Import References (Tab Import)'. A red arrow points from the 'Screening' tab to the 'Select or Create (+) Project' step in the diagram.

For each reference, you can select researchers (1), add inclusion/exclusion criteria (3) and press 4 to update), edit inclusion/exclusion criteria(2) and set consensus criteria (5) when necessary. Reference state is computed automatically.

In order to classify a reference with only one researcher, set Researcher #2 to None.

It is also possible to sort and filter data, like in search result screen.

The screenshot shows the 'Screening' page with a table of references. The table has columns: 'Ref', 'Title', 'Abstract', 'Researcher #1', 'IN/OUT Researcher #1', 'not IC/EC Researcher #1', 'Researcher #2', 'IN/OUT Researcher #2', 'not IC/EC Researcher #2', 'Consensus Researcher #1/ Researcher #2', 'Consensus after discussion', and 'Consensus decision'. The table contains 6 rows of references. Red boxes and numbers highlight specific actions: 1. Selecting a researcher (adria.aumatelli@estur). 2. Editing inclusion/exclusion criteria (EC1, not IC1). 3. Selecting not IC/EC. 4. Pressing the update button. 5. Setting consensus criteria (EC1, not IC1).

Ref	Title	Abstract	Researcher #1	IN/OUT Researcher #1	not IC/EC Researcher #1	Researcher #2	IN/OUT Researcher #2	not IC/EC Researcher #2	Consensus Researcher #1/ Researcher #2	Consensus after discussion	Consensus decision
1	Bibliometric Analysis of the Tertiary Study on Agile Software Dev...	This study aims to examine the systematic literatu...	1 adria.aumatelli@estur	IN	2 EC1, not IC1	1 usr	1 UNDECIDED	3 Select not IC/EC	4		
2	Signs of Agile Trends in Global Software Engineering Research: A ...	In this paper we present preliminary findings from...	adria.aumatelli@estur	IN		None			YES		IN
3	Blockchain and Sustainability: A Tertiary Study	Blockchain is an emerging technology with potentia...	usr	OUT	EC1, not IC1	None			YES		OUT
4	A Systematic Tertiary Study of Communication in Distributed Softw...	Distributed Software Development (DSD) is characte...	adria.aumatelli@estur	OUT	EC1	usr	OUT	not IC1	PARTLY	5 EC1, not IC1	OUT
5	Blockchain-based Solutions for IoT: A Tertiary Study	The combination of blockchain and Internet of This...	gestudiantat.upc.edu	UNDECIDED	Select not IC/EC	usr	UNDECIDED	Select not IC/EC			
6	Applying and Researching DevOps: A Tertiary Study	DevOps is an emerging software development methodo...	Researcher	UNASSIGNED		None					

3.6. Delete Reference

First you have to go to the Search Result page

Click on delete button.

DOI	#ref	DL	Year	Authors	Title	Venue	Abstract	Info	Delete
10.1109/ASYU50717.2020.9259875	1	IEEE Xplore	2020	Bayram, Egemen ; Doğan, Buket ...	Bibliometric Analysis of the Tertiary Study on Agile Software Dev...	2020 Innovations in Intelligent Systems and A...	This study aims to examine the systematic literatu...	0	
10.1109/ICGSE-W.2011.12	2	IEEE Xplore	2011	Hanssen, Geir K. ; Šmite, Darja ...	Signs of Agile Trends in Global Software Engineering Research: A ...	2011 IEEE Sixth International Conference on G...	In this paper we present preliminary findings from...	0	
10.1109/BoK552540.2021.00011	3	IEEE Xplore	2021	Jiang, Shanshan ; Jakobsen, Kine ...	Blockchain and Sustainability: A Tertiary Study	2021 IEEE/ACM International Workshop on Body ...	Blockchain is an emerging technology with potentia...	0	

A confirmation message will pop-up

localhost:4200

Are you sure to delete reference Bibliometric Analysis of the Tertiary Study on Agile Software Development using Social Network Analysis ?

Cancel-la D'acord

3.7. Download references search result and screening

First you have to go to the Search Result page

Home

GESSI-SLR 1.3.0
GESSI Tool for helping research group members to conduct Sytematic Literature reviews.

On the right side you can see the workflow of the web and if you have more questions on how to use the web you can download the manual down here.

```
graph TD
    Start(( )) --> Select[Select or Create (+) Project]
    Select --> Import[/Import References (Tab Import)/]
    Import --> Decision{more bibtex files to import?}
    Decision -- No --> Visualize[/Visualize References (Tab References)/]
    Decision -- YES --> Import
```

Click on download references button

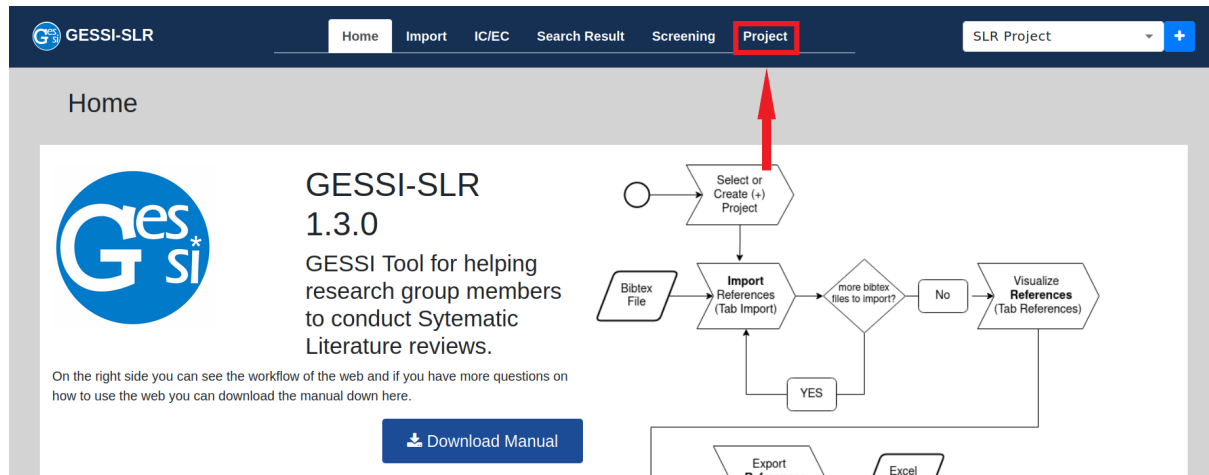
All references

[Download references \(.xls\)](#) Filter References

DOI	#ref	DL	Year	Authors	Title	Venue	Abstract	Info	Delete
10.1109/ASYU50717.2020.9259875	1	IEEE Xplore	2020	Bayram, Egemen ; Doğan, Buket ...	Bibliometric Analysis of the Tertiary Study on Agile Software Dev...	2020 Innovations in Intelligent Systems and A...	This study aims to examine the systematic literatu...		
10.1109/ICGSE-W.2011.12	2	IEEE Xplore	2011	Hanssen, Geir K. ; Šmite, Darja ...	Signs of Agile Trends in Global Software Engineering Research: A ...	2011 IEEE Sixth International Conference on G...	In this paper we present preliminary findings from...		
10.1109/BoKS552540.2021.00011	3	IEEE Xplore	2021	Jiang, Shanshan ; Jakobsen, Kine ...	Blockchain and Sustainability: A Tertiary Study	2021 IEEE/ACM International Workshop on Body ...	Blockchain is an emerging technology with potentia...		

4. Reset Database

First you have to go to the Project page.

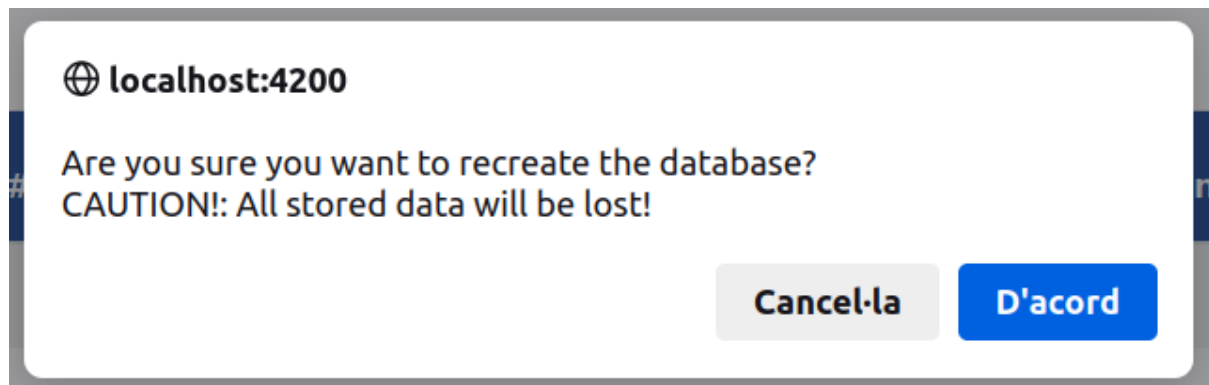


Scroll down to the end of the page and press the reset button

Recreate Database

Note that if you press the reset button all the content of the database will be completely removed. [Reset](#)

The following dialog will be displayed and you have to press the confirm button.



You have to refresh the page to see the changes