



(Updated December 2024)

## DiVA manual for students

### - Publish and archive a student paper/essay/project in DiVA

- 1. Log in** to BTH [DiVA](#) with your BTH account and password.  
Contact IT Helpdesk [ithelpdesk@bth.se](mailto:ithelpdesk@bth.se) if you need help with account information.
- 2. Select publication type:** *Student thesis* is preselected. Click on *Continue* to proceed.

Help texts explaining each field are shown if you hold your cursor over the question mark.

**My drafts**

Select publication type --> Enter information --> Upload files --> Review / Publish -->

← Back Cancel Continue →

**Select publication type ?**

Student thesis

You can also go to your drafts.  
Select *My drafts*.

← Back Cancel Continue →

You can save an incomplete registration as a draft by clicking on *Cancel/Save draft* and selecting *Save as draft*. You can find it later under *My drafts*.

Fields marked with red are mandatory fields. Other fields may be mandatory depending on programme/course. Check with your department if you are unsure.

**3. Fill in your details:** Fill in the details about all authors.

Fill in your email address in order to receive a confirmation when registration is completed, as well as when your paper has been published and/or archived.

If there is more than one author, click on "Another author" and fill in the details.

*Personal identity number should not be published in DiVA according to Data Protection Regulation (GDPR).*

Select publication type --> **Enter information -->** Upload files --> Review / Publish -->

← Back Cancel / Save draft Continue →

**Selected publication type:** Student thesis

[Change type »](#)

**Author ?**

[Connect authority record »](#)

[Get saved personal data »](#) [Save personal data »](#)

Last name: \*  Year of birth:  Year of death:

First name: \*  Local User Id:

Department, unit or programme:  
[Choose organisation »](#)

X

Research group:

E-mail:

Other organisation:

[Another author »](#)

You can delete a selected department by clicking the X.

If there are more authors, click on Another author to add authors.

4. **Choose organisation:** Click *Choose organisation* and search or browse for your department. Select the lowest level in the hierarchy. Choose from the list (don't write).

**Choose organisation**

**Search ?**  
Search for department, unit or programme. The superior department will be set automatically.

**Search**

**Browse ?**  
Navigate in the list by clicking on plus and minus. Choose department, unit or programme by clicking on the name. The superior department will be set automatically.

Show departments that are closed down

- Blekinge Institute of Technology
  - Education Development Unit
  - + Faculty of Computing
  - + Faculty of Engineering
  - Management Team
  - The Library

**Cancel**

It is vital that you select the correct department from the list. Ask at your department if you are unsure which one to choose.

**Other organisation:** Add information here only if you have completed your work at another university.

5. **Cooperation:** If you have cooperated with a company or an external organisation, enter the name here.






**Cooperation ?**  
External cooperation  
 Yes  No

Partner: \*  
 x






**Add partner »**

6. **Title:** Enter the title and select the language of the title.  
**Alternative title:** If there is an alternative title in another language, enter here.

**Title ?**

Main title: \*  
*I*  $\times_2$   $\times^2$   $\Omega$     $\langle \rangle$     Aa

The library

Subtitle:  
*I*  $\times_2$   $\times^2$   $\Omega$     $\langle \rangle$     Aa

a creative meeting place

Language: \*  
English

If you copy the title from a document (Word, pdf etc.) click on



and paste the text to clear from unwanted formatting.

**Alternative title ?**

Main title:

<i>I</i>	$\times_2$	$\times^2$	$\Omega$			<>				Aa
Biblioteket										

Subtitle:

<i>I</i>	$\times_2$	$\times^2$	$\Omega$			<>				Aa
en kreativ mötesplats										

Language:

Swedish 

- 7. Degree:** Fill in the level of your paper (if you are unsure of which level/type of degree, or how many credits your thesis involves, check with your department. The list shows the present system with HE credits (Higher Education). Select the name of your programme and subject/course if these are on the lists. Otherwise ignore these fields.

**Degree ?**

Level: \*  
-

University credits: \*  
-

Educational program:  
-

Subject / course:  
-

[Another degree >>](#)


Please note:

If your degree is in any of the Swedish programmes: "Sjuksköterska", "Högskoleingenjör", "Civilingenjör", or "Specialistsjuksköterska", please read the Swedish manual.

**Other information:** Fill in the year and number of pages (last paginated page, don't include appendix).

**Other information ?**

Year: \*      Number of pages:  
     

- 8. Series:** You can skip this part unless you have received other instructions from your department.
- 9. Identifiers:** Ignore these fields unless your teacher has provided special instructions.
- 10. National subject category:** Choose the appropriate subject category by clicking on the button. You can either search for subjects or browse by clicking the  - symbol. You can delete a chosen category by clicking **x**.

## Choose national subject category



### Search ?


















Search for national subject category. The superior subject category will be set automatically.

software

└ Software Engineering

### Browse ?


Choose national subject category by clicking on the name. The superior subject category will be set automatically. Navigate in the list by clicking on  and 

-  National subject categories
  -  Agricultural and Veterinary sciences
  -  Engineering and Technology
    -  Chemical Engineering
    -  Civil Engineering
    -  Electrical Engineering, Electronic Engineering, Information Engineering
    -  Environmental Biotechnology
    -  Environmental Engineering
    -  Industrial Biotechnology
    -  Materials Engineering
    -  Mechanical Engineering
    -  Medical Engineering
    - Nano Technology
    -  Other Engineering and Technologies
  -  Humanities and the Arts
  -  Medical and Health Sciences
  -  Natural Sciences
  -  Social Sciences

### National subject category \* ?

Suggestion for national subject category

Choose national subject category »

Programvaruteknik; Software Engineering (10205) 

**11. Keywords:** Add keywords to help others find your paper. Use commas to separate keywords. **Abstract:** Write or paste an abstract/summary. You can enter both keywords and abstracts in several languages.

**Keywords ?**

Physical Cell Identity, 3GPP, Machine Learning, 5G, DBSCAN




Language: English

[Keywords in another language >>](#)

**Abstract ?**

**B** *I*  $x_2$   $x^2$ 

- ☰
- ☰

 Avsnitt   

**Background:** The growing needs of communications have a higher demand for data and stream-less services for the users. A unique physical cell identity (PCI) is assigned to transfer data between the cellular base station (gNB) and user equipment (UE). It is used to transmit the data to multiple users simultaneously. In this thesis, a heuristic algorithm is generated, aided by an unsupervised machine learning approach to improve the PCI allocation of a cell for better 5G services such as connectivity and speed.


**Objectives:** Firstly, performing a literature review to find the appropriate performance metrics to compare both K-means and density-based spatial clustering of applications with noise (DBSCAN) technique on the PCI allocation data provided by Ericsson. Next, the better-clustering method along with heuristic algorithm was implemented to generate a efficient PCI planning. Later, compare the results of previous planning (existing PCI planning approach), proposed planning (results of using the generated heuristic algorithm) based on the ideal planning derived from the experts.

**Methods:** The literature review is conducted for determining the best metrics for the clustering algorithms mentioned in the objectives. With the use of unsupervised learning

P >> STRONG 338 ORD

Language: English

[Another abstract >>](#)

If you copy the text from a document (Word, pdf etc.) click on  and paste the text to clear from unwanted formatting.

You can enlarge the window by dragging the corner.

Click here to add abstracts in several languages.



- 12. Supervisor and examiner:** Add the names of your supervisor and examiner. You don't need to add the ORCID identifier or the Local User Id.

**Supervisor ?**

[Connect authority record »](#)

[Get saved personal data »](#) [Save personal data »](#)

Last name:  Academic title:

First name:  Local User Id:

ORCID:

Department, unit or programme:  
[Choose organisation »](#)

E-mail:

Other organisation:

[Another supervisor »](#)

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**Examiner ?**

[Connect authority record »](#)

[Get saved personal data »](#) [Save personal data »](#)

Last name:  Academic title:

First name:  Local User Id:

ORCID:

Department, unit or programme:  
[Choose organisation »](#)

E-mail:

Other organisation:

[Another examiner »](#)

**Presentation:** You don't need to complete this field.

### 13. Upload your file:

After your thesis has been approved you will receive **an email with a link** to your file. **This is the file you should upload to DiVA. Do this as soon as possible, or within one week.**

Upload your paper in **PDF/A-format**. Here you can manage the public visibility of your file in DiVA.

“Make freely available now” is preselected.

No changes are necessary if your paper doesn't need any special arrangements.

Make freely available now includes archiving of the file in DiVA.

If you would like to make your file visible on a specific date, select the option “Make freely available later” and choose the appropriate date.

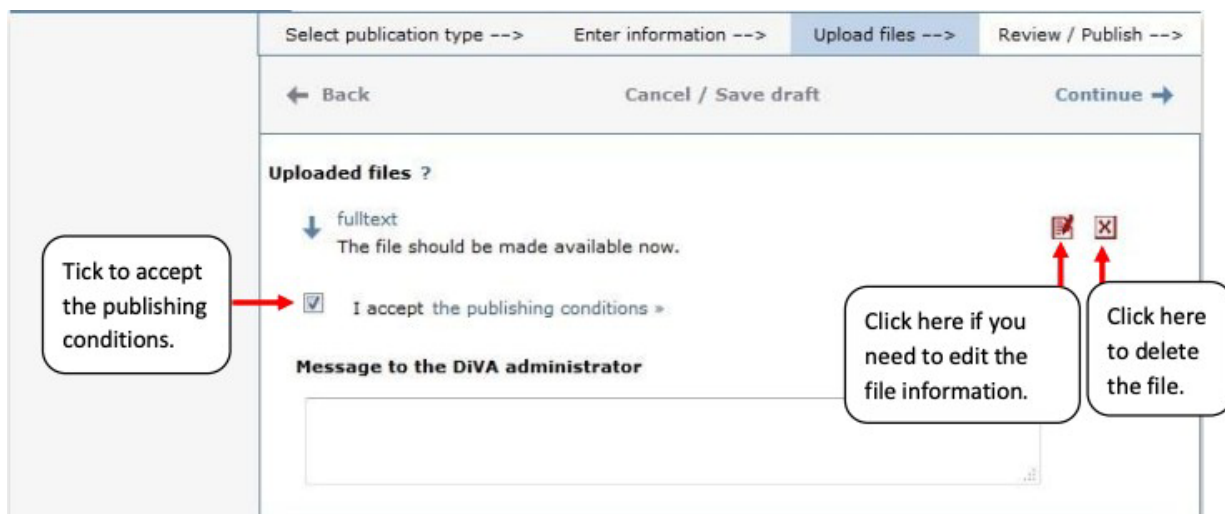
If you want only the information about the work (not the full text) to be visible in DiVA, select “Only for archiving”.

Please note that sensitive personal information about yourself or others, such as social security numbers, should not be included in a full text intended for publication.

The screenshot shows the DiVA upload interface with the following elements:

- Upload file ?** (header)
- Title:** (text input field)
- Secrecy** Registration number: (text input field)
- When should the file be made freely available? \***
  - Make freely available now (open access)**
  - Make freely available later**
  - Only for archiving**
- Date:** (text input field)
- If the file should be hidden in the future, add when:**
- Date:** (text input field)
- Type: \***
  - fulltext (dropdown menu)
  - pdf (application/pdf) (dropdown menu)
- Give the file a name (optional):** (text input field)
- Print file**
- Digitized**
- Välj fil** Ingen fil har valts (file selection area)
- 0 % (progress bar)
- If the file is larger than 1 GB:**
  - Upload file from URL (max 16 GB). Confirm the URL by clicking the button. The file is uploaded when you save/submit your record.
  - (text input field)
  - Confirm the URL** (button)
- ← Back** **Cancel / Save draft** **Continue →** (navigation buttons)

**14. Accept the publishing conditions.** Once your file is uploaded - read the conditions for electronic publishing and tick the box to acknowledge your acceptance. If you have chosen "Only for archiving", you will not be asked to accept any publishing conditions.



**15. Review/Publish:** Check that all details are filled in correctly. If you want to change something, use the link "Edit information" or click on "Back" to return to the form and make the necessary changes.

<a href="#">← Edit information</a>	<a href="#">Select publication type --&gt;</a>	<a href="#">Enter information --&gt;</a>	<a href="#">Upload files --&gt;</a>	<a href="#">Review / Publish --&gt;</a>
	<a href="#">← Back</a>	<a href="#">Cancel / Save draft</a>		<a href="#">Submit →</a>
<b>Author:</b>		Andersson, Anders (Uppsala University, Disciplinary Domain of Humanities and Social Sciences, Faculty of Arts, Department of ALM) *anders.andersson@student.uu.se		
<b>Title:</b>		The library : a creative meeting point		
<b>Alternative title(sv):</b>		Biblioteket : en kreativ möteplats		
<b>Publication type:</b>		Student thesis		
<b>Language:</b>		English		
<b>Level:</b>		Independent thesis Advanced level (degree of Master (Two Years))		

**16. Check the file:** Make sure it is possible to open the uploaded PDF file. Click on "fulltext" to open your uploaded file.

<b>Files</b> fulltext	fulltext	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">         Click on "fulltext" to open your uploaded file       </div>
<a href="#">← Back</a>		<a href="#">Cancel / Save draft</a>
		<a href="#">Submit →</a>

**17. Submit:** When you have checked that all is correct, and that your file can be opened, click on "Submit".  
 The box for approval of the publication condition will not appear if you have selected "only archive".

## After submitting your paper

When you have submitted your paper it has to be approved by an administrator before it can be published. *For this reason, you will not be able to see your paper immediately in DiVA after you have registered it.*

**Thank you for registering this item.**

The record has now been saved in the system.

If you cannot immediately see your publication in DiVA the delay is because it has to be checked first by a librarian or an administrator.

If you have provided your e-mail address you will receive a confirmation when your registration is complete as well as when your paper has been published/archived.

When the administrator has published your paper, you will be able to find it in DiVA, Essays.se and search engines.

If you find mistakes after sending in your information and file to DiVA please contact [divahandlaggare@bth.se](mailto:divahandlaggare@bth.se) .