



## ISTA Research Explorer (ISTA REx)

**Create a new entry for Scientific Software  
(underlying a scholarly publication)**



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# 1 What is ISTA REx?

**ISTA Research Explorer** (ISTA REx, <https://research-explorer.ista.ac.at>) is the institutional repository presenting the scholarly output of the Institute (ISTA). It contains all publications (journal articles, conference papers, book chapters, research data, thesis, ...) affiliated to ISTA. Where possible, an Open Access version is included, otherwise the metadata (according to publisher regulations) is available. Additionally, REx also offers the full publication record of all professors before they joined the Institute.

Moreover, ISTA Research Explorer shows the awarded grants which you can link to your publication. Therefore, it shows not only the research achievement of the Institute over the years but also the scientific output of every approved grant. Furthermore, several different citation formats of the entries can be downloaded and easily reused for personal citation management or publication lists.

## **ISTA scientist commitment**

Authors at ISTA are responsible to enter their publications into the ISTA Research Explorer themselves not later than two weeks after acceptance of the paper. This helps to keep ISTA REx up to date, since scientists have the most reliable overview of their own publications.

There is no reason to worry about creating wrong or double entries. The library team keeps track of new items and enriches them on a weekly basis. Precise and flawless entries support external visibility and help generate complete publication lists for researchers and for reports on ISTA.



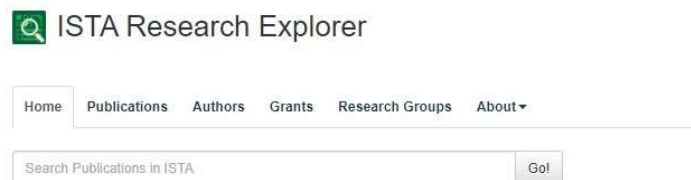
## 2 Why publishing scientific software?

For some publications, it is important to not only state and link the used research data with a permanent identifier (we use DOI), but also provide the software and specific settings of your analyze so that your results are reproducible.

For publishing your research software, please create a new version/snapshot which will not be changed in the future (if changes occur, they should be under a new version number). This fixed snapshot is uploaded to our Research Explorer as “Scientific Software”. We will then register a DOI for it, and this DOI should be included in your publication as a persistent identifier for your used software (like Matlab, R, Python scripts, ...).

## 3 Add a new scientific software

Go to ISTA REX and click on “Login” in the right upper corner:



Use your SSO (your ISTA username and password) to login and open “My Dashboard”. Click now on “new publication” and choose “Scientific Software” beneath option 2.



### 3.1 Mandatory fields

Please add at least the mandatory fields marked with \*.<sup>1</sup>

#### Scientific Software

Save Cancel

Details

Publication Type

Title \*

Author \*    extern

Department

DOI   I want to register a new DOI

Publisher \*

Publishing Year \*   Published while not employed at ISTA

Publishing Month

Publishing Day

Grant

Please choose a meaningful title for your scientific software and add the publishing date. Add all authors working on the software (additional fields are available after clicking “+”). If the software was financed out of a research fund, please link its name or grant number (select the correct one from the dropdown list) and state it in the acknowledgments. If you have multiple grants add new lines by clicking the “+”.

### 3.2 Software upload

As far as it is possible, we recommend you to structure your files and bundle them in (several) zip-files (see the IT guidelines how to build a good data structure). Drag and drop or use a file explorer to upload your files (in the yellow area). The size limit of each file is 10 GB at the moment – if you have bigger files please contact the library team beforehand ([repository.manager@ista.ac.at](mailto:repository.manager@ista.ac.at)).

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<sup>1</sup> Please note that the more information added to the entry other than the mandatory ones also helps with the visibility and credibility.



## Research data upload

Upload File(s) (max. 10GB per file)

Drop files here to upload ... or click!

▼ Copyright and Licenses

In addition to your files, please add a Readme.txt file (a simple text file). State which software is needed to work with, how the files are structured (if it is a .zip file, or if it is useful to open the files in a specific order) or other essential explaining information. Imagine that you would be in the situation of being interested in the dataset and which information you would like to know before downloading it.

Drop files here to upload ... or click!

✕	📄 readme.txt (Copy file URL 📄)			
	Access Level:	Upload Date:	User:	Relation:
	Open Access	2020-09-08T14:26:31Z	rhauschild	main_file
✕	📄 RGTracker.mlappinstall (Copy file URL 📄)			
	Access Level:	Upload Date:	User:	Relation:
	Open Access	2020-09-08T14:26:33Z	rhauschild	main_file

Be aware to check beforehand, if you are allowed to distribute your script/software or if you have any publisher/funder regulation to consider!

### SPECIAL CASE GIT LAB LINK

If you work on **GitLab**, there is an easy way to add the software to the REx entry:

In the template for Scientific Software beneath “Additional Information” is the field “Gitlab URL”:

Gitlab URL

Enter Gitlab URL (browser link, not clone link)

Please add the URL (either the master branch or one specific commit) of your Gitlab code here and additionally also in the field “Fulltext URL” in the section Links:

Links

Fulltext URL

Ext. location of your main file

Open Access



So it will look like this:

Gitlab URL	<input type="text" value="https://git.ista.ac.at/patrickd/counter-analytics"/>
<b>Links</b>	
Fulltext URL	<input type="text" value="https://git.ista.ac.at/patrickd/counter-analytics"/>

As soon as you save the entry, a .zip file will be created and automatically added to the entry. In the .zip file, there is automatically a Readme file created – be aware that if you open the data entry in the Research Explorer, the Readme file is not visible (only the .zip). It might be useful to have the Readme as a separate file a second time in the download area.

- We highly recommend to choose a license for your research data. Be aware to check beforehand, if you have any publisher or funder regulations to consider or any co-workers to ask about!

Software Re-Use License

Select a license under which your uploaded data will be available:

Select a license

Select a license

Apache 2.0

3-Clause BSD

2-Clause BSD

GPL 3.0

LGPL 3.0

MIT

MPL 2.0

GNU AGPLv3

If you need more information on these different licenses, you can find further information here: <https://creativecommons.org/about/cclicenses/> and here <https://opendatacommons.org/>.

Confirm that you have read the Open Data Release Declaration as well as the the deposit policy (both are linked and downloadable) by clicking the tickbox.



▼ Copyright and Licenses

Open Data Release - Declaration

I declare, that I am allowed to publish and to release the data under an Open Data License.

Rights of third parties are not violated. Any joint author has given his consent to publish and to release the data under an Open Data License.

I am aware that I am only allowed to publish **anonymous data** or other **data without personal reference**. For publishing person-related data I have to seek the agreement of the affected persons.

I declare that I do not violate these rules.

I am aware that this release might limit exploitation potential in terms of vending the data or achieving patents.

I have read and agree with the information above about releasing data under the selected license.

Download [Deposit Policy](#) For further questions please contact our support via email: [repository.manager@ista.ac.at](mailto:repository.manager@ista.ac.at)

### 3.3 Additional information

In the next step, please add a short abstract to your software publication and select a DDC classification. If you had support or acknowledge a SSU, please add this as well:

#### Additional Information

Article Processing Charge	No
Open Access Version	Published Version
Abstract	Language English Abstract Text
Keywords	Keywords (multiple entries separated by semicolon, e.g. Keyword1 ; Keyword2 ; Keyword3)
DDC	--- Select DDC ---
Acknowledged SSUs	Start typing, or use (arrow down) to choose an SSU from the list.

### 3.4 Link to publication

As with research data, you can link your publication and the underlying code together. For that, go to the field "link to ISTA record" and start typing the title of a publication:





## Links

Link to ISTA record

A stochastic cellular automaton model of culture formation

Klausen, Frederik Ravn (2023): A stochastic cellular automaton model of culture formation [preprint]

Klausen, Frederik Ravn (2023): Research data for: A stochastic cellular automaton model of culture formation [research\_data]

Fulltext URL

Ext. location of your main file

 Open Access

Select the correct one and state the kind of relation (software/used for analysis in).

Confirm your entry with “Save”. The created entry will be queued for moderation by the Library team and made public by them within 5 working days after checking all necessary information. The library team will also appoint a DOI to your software which you can use in your publication.

## 4 Check your entry

You know your scientific work best – please check your entry! If you have any questions don't hesitate to contact the library team via [repository.manager@ista.ac.at](mailto:repository.manager@ista.ac.at).

Please let us know if you need any support:

ISTA Library Team

[repository.manager@ista.ac.at](mailto:repository.manager@ista.ac.at)

