ISTA Research Explorer (ISTA REx)

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

Contents

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, 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 requested to enter their publications into the ISTA Research Explorer by 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 corrects 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 packages, …).

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.

- Please add at least the mandatory fields marked with *.[1]

Scientific Software

- 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 "+".

- 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).

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[1] 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.

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

- 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":

- Please add the URL (either the master branch or one specific commit) of your Gitlab code here. As soon as you save the entry, a .zip file will be created and automatically added to the entry. You only have to add the Readme.txt file to your entry (with the details as mentioned above).

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- The library team will then appoint a DOI to the entry which you can use in your publication.
- For all these import options - 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.

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:

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

5 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.

Please let us know if you need any support:

ISTA Library Team

repository.manager@ista.ac.at