



# ENTITY EVALUATION TUTORIAL

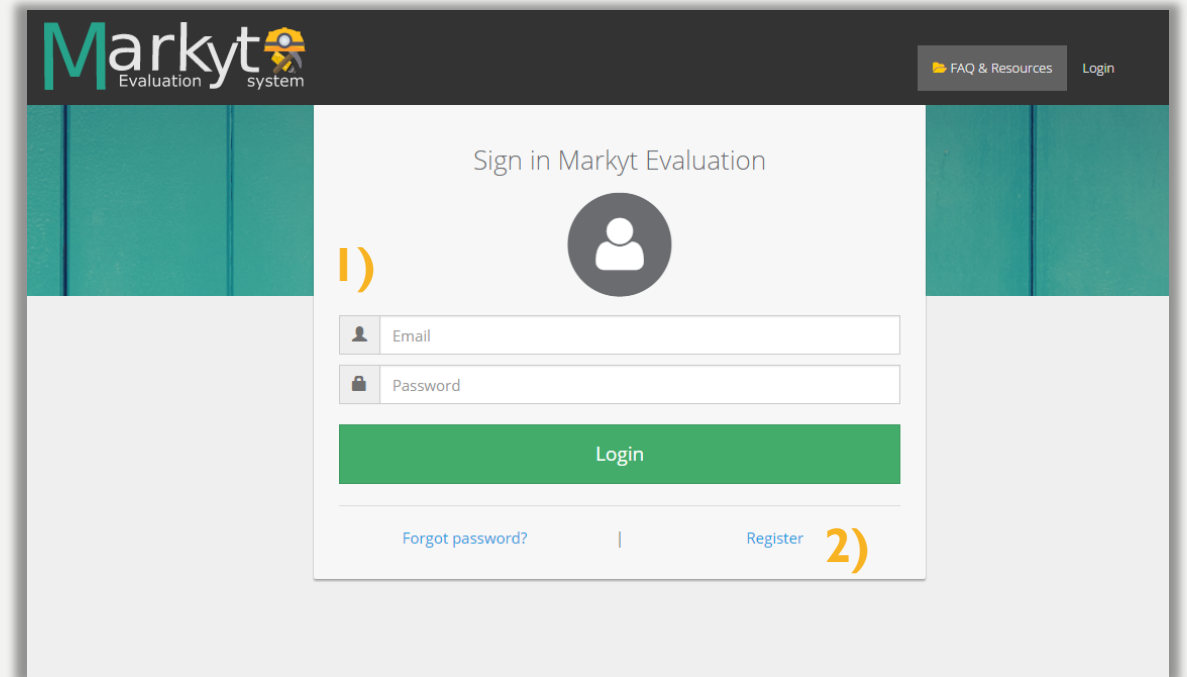
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- Register and login
- User's area
  - Entity file submission
  - Single and multiple entity evaluation
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- Contacting Markyt  
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# LOGIN PANEL

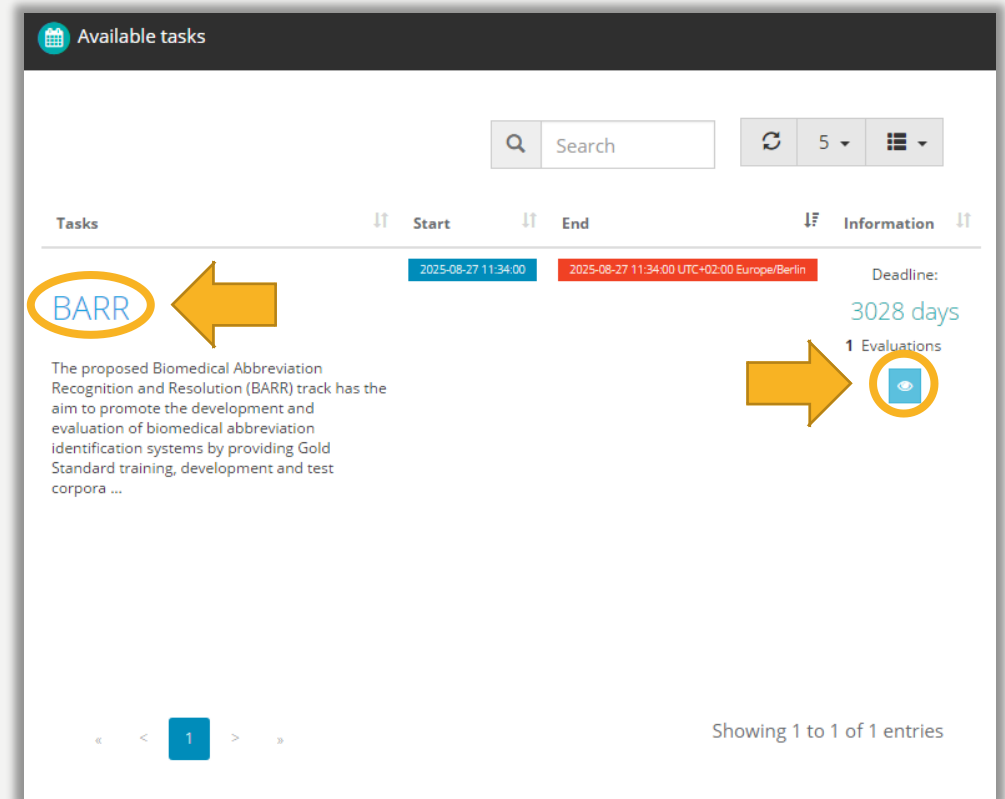
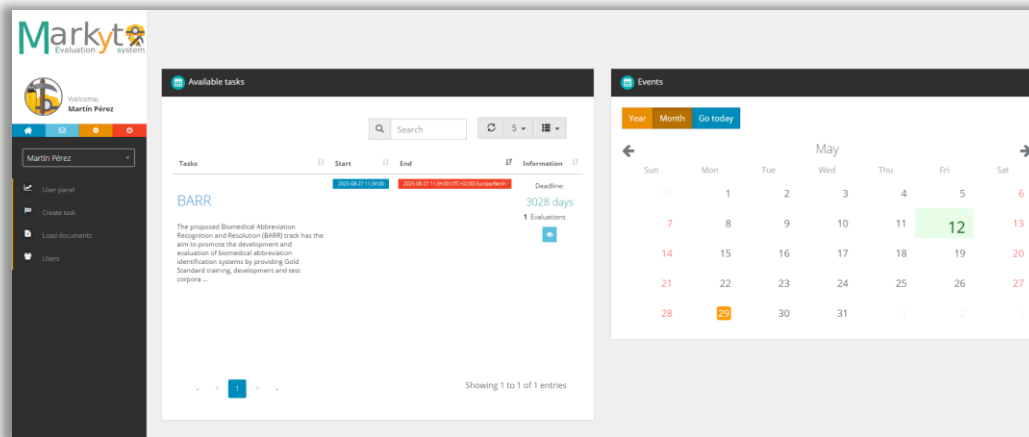
To access the platform go to the participant sign in area:

- 1) Login in to the system with your credentials; or,
- 2) Create a new account.



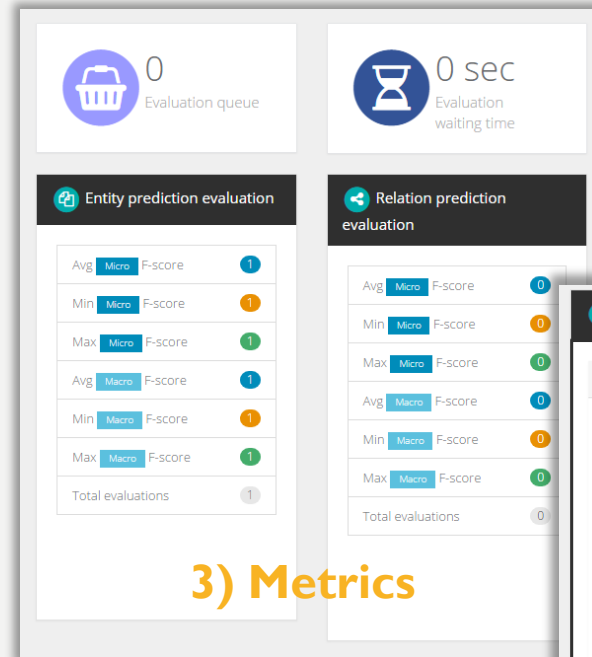
# USER'S MAIN PAGE

After logging in, you are granted access to the available competitions (e.g. BARR task).



# TASK VIEW

- For example, this are the general panels of the BARR task.
- Mainly, you can upload entity files to your private repository (1) and run entity evaluations (2).
- You can also check current overall/average performance metrics (3).



2) Evaluate uploaded entity files here

The figure shows the 'Entity evaluation' interface. It has a tab for 'Entity evaluation' and a tab for 'Relation evaluation'. The 'Entity evaluation' tab is active. The interface is divided into two main sections: 'Your prediction files repository' and 'Your entity evaluations'. The 'Your prediction files repository' section has a toggle switch for 'Final task submission?' and a list of files. The 'Your entity evaluations' section has a search bar and a table of evaluations.

1) Upload here your entity files

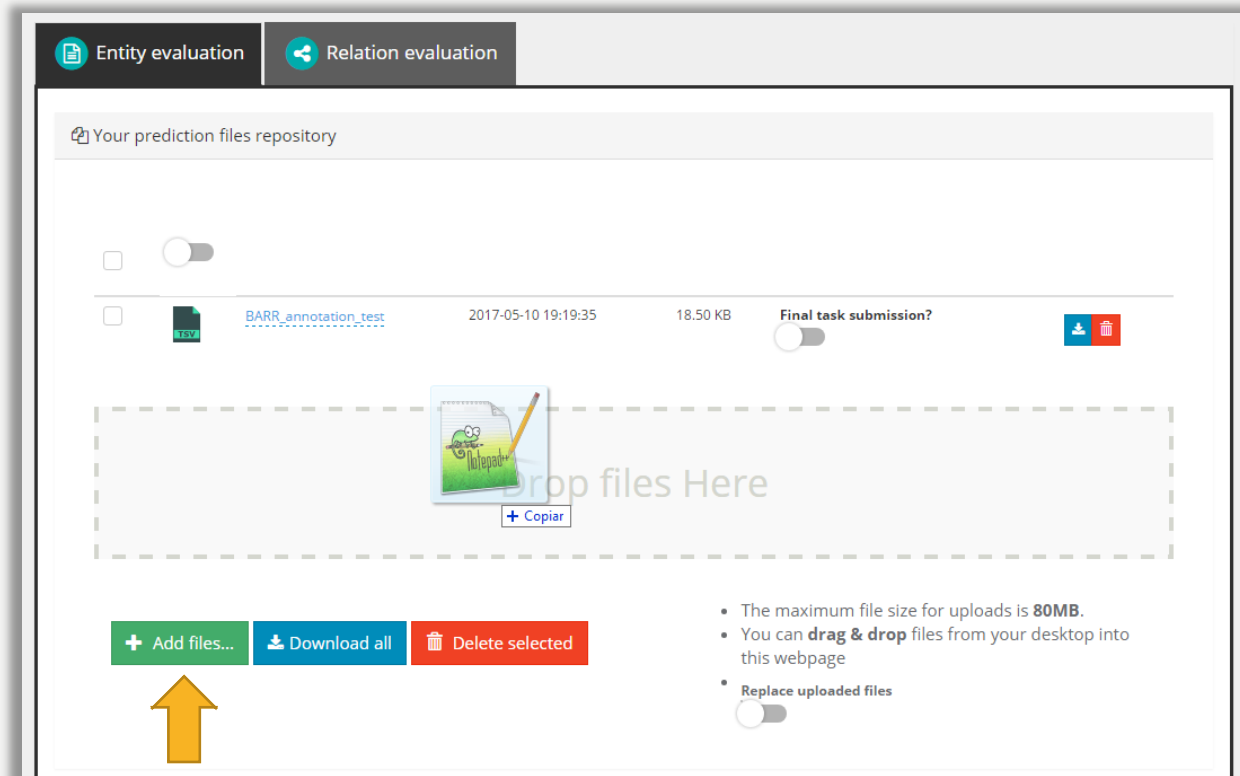
Final task submission?

2) Evaluate uploaded entity files here

Predictions	Created	F-score	Progress	State	Actions
BARR_annotation_test	2017-05-10 19:19:42	1.000	100%	SUCCESSFULLY TERMINATED	

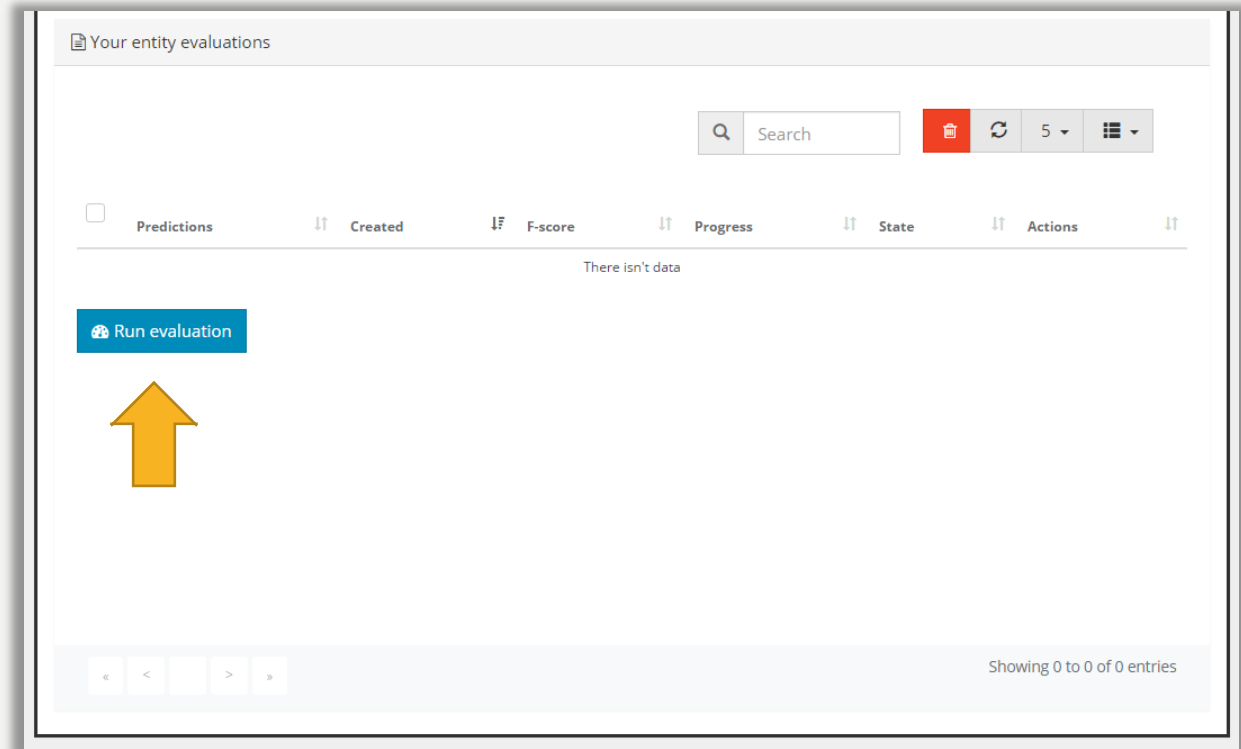
# PREDICTION REPOSITORY

- Each participant has a private entity repository.
  - Simply drag files to your browser or press the 'Add files...' button in order to upload files.
- Prediction files must be in TSV format and the encoding should be UTF-8.
  - Examples are provided in [Resources section](#) (inside Markyt Evaluation website).
  - Note that you have to download the example and upload it into the repository before using it (i.e. running any evaluation).



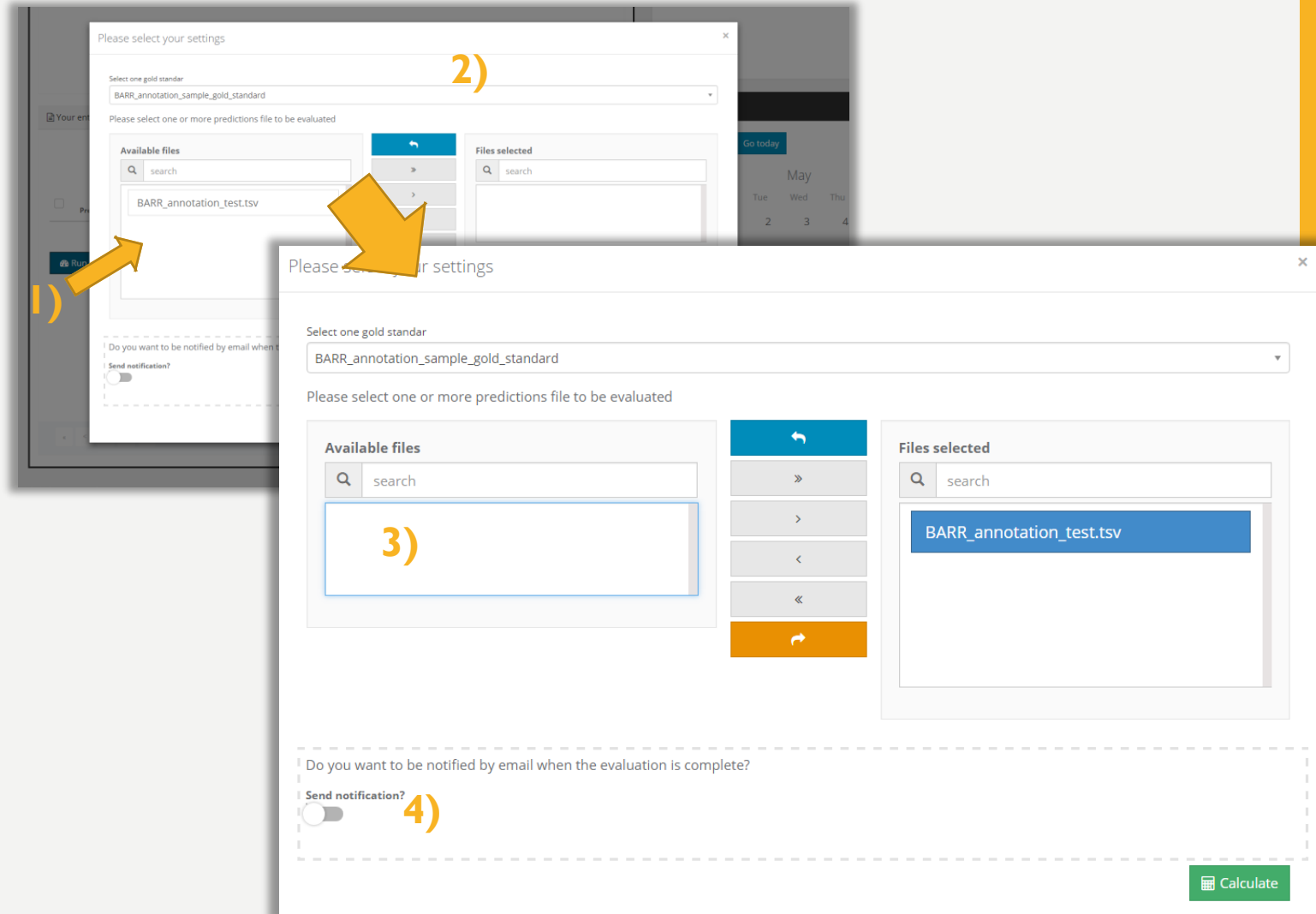
# RUN ENTITY EVALUATION (I)

- Click in the “Run evaluation” button to select entity files from your repository and run evaluations.



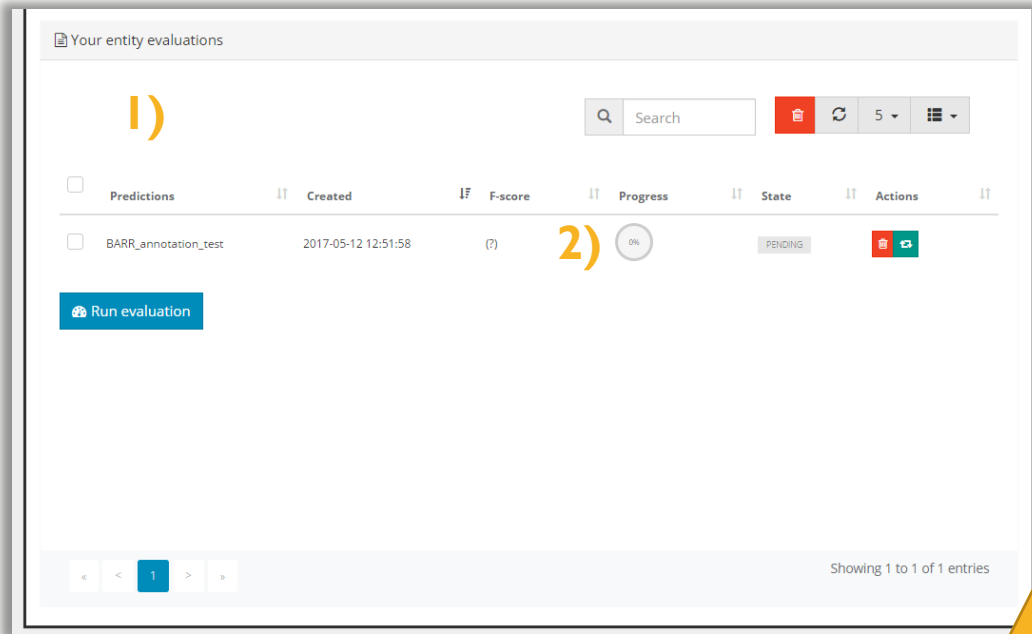
# RUN ENTITY EVALUATION (II)

- Once you click “Run evaluation” (1) a new window opens (2).
- Select the entity files that you wish to evaluate by clicking on their name (3).
  - Here, the file BARR\_annotation\_test.tsv was selected.
- You can also choose to receive an email notification when the evaluation is completed (4).
- Click on “Calculate” to run the evaluation.



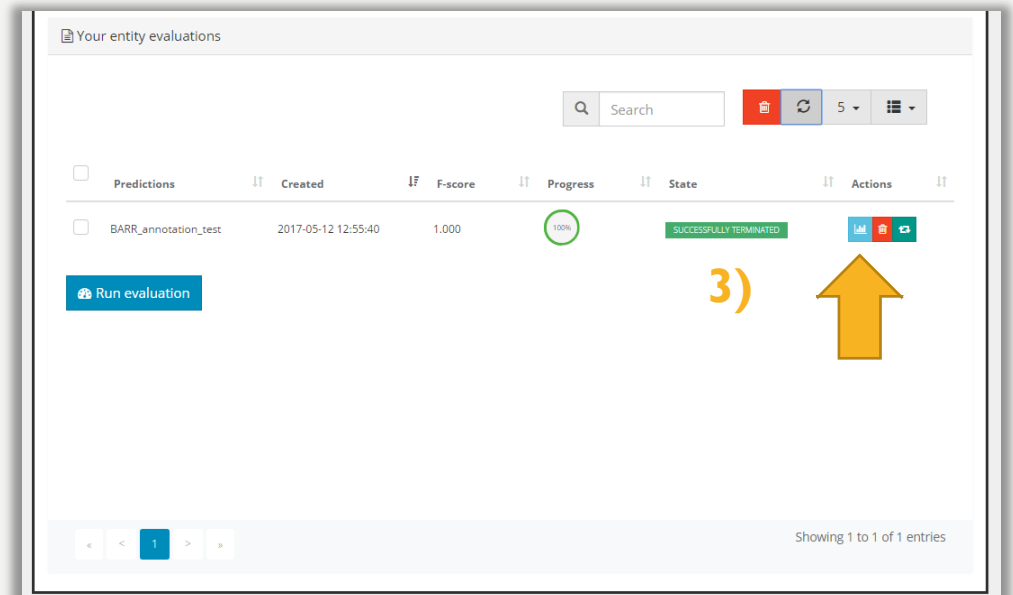


# RUN ENTITY EVALUATION (III)



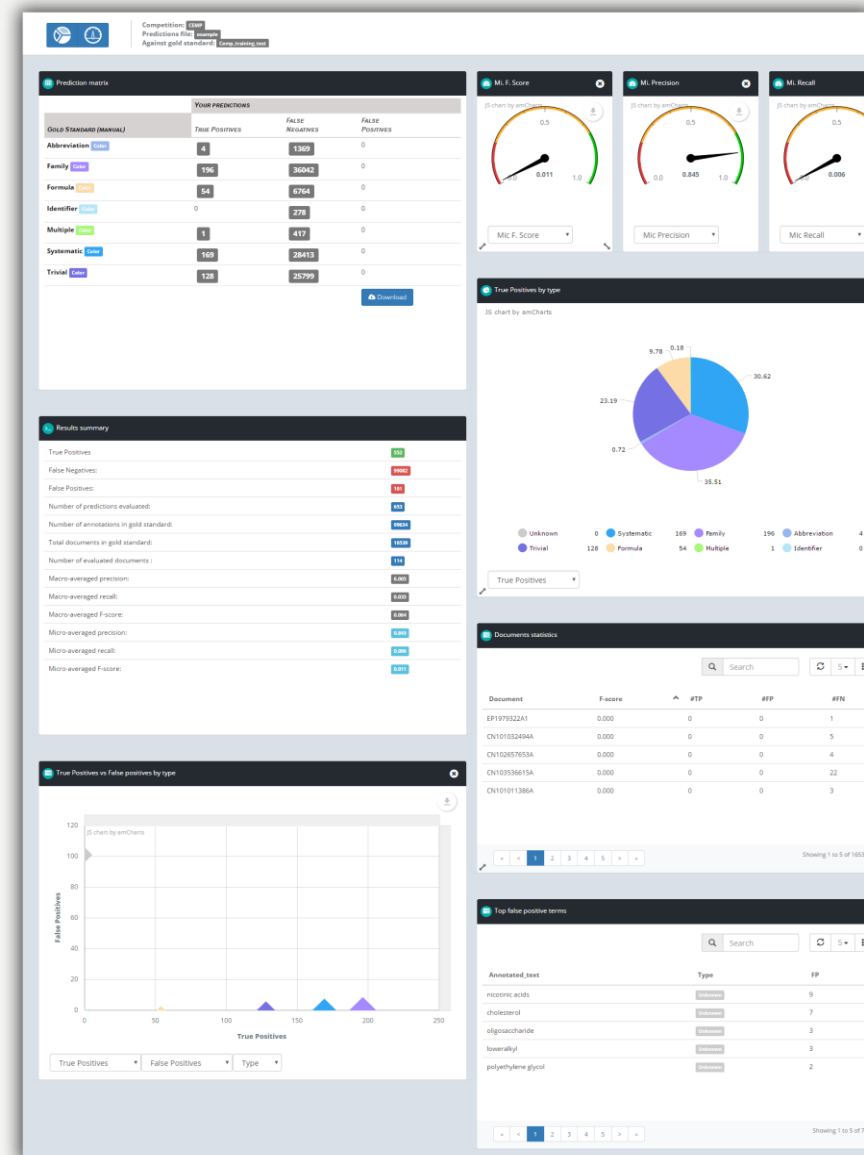
- When the evaluation ends you may click on the blue button to visualize evaluation statistics (3).

- Your evaluation request will be inserted into the Markyt Evaluation queue (1).
- You can check its current status at any point (2).



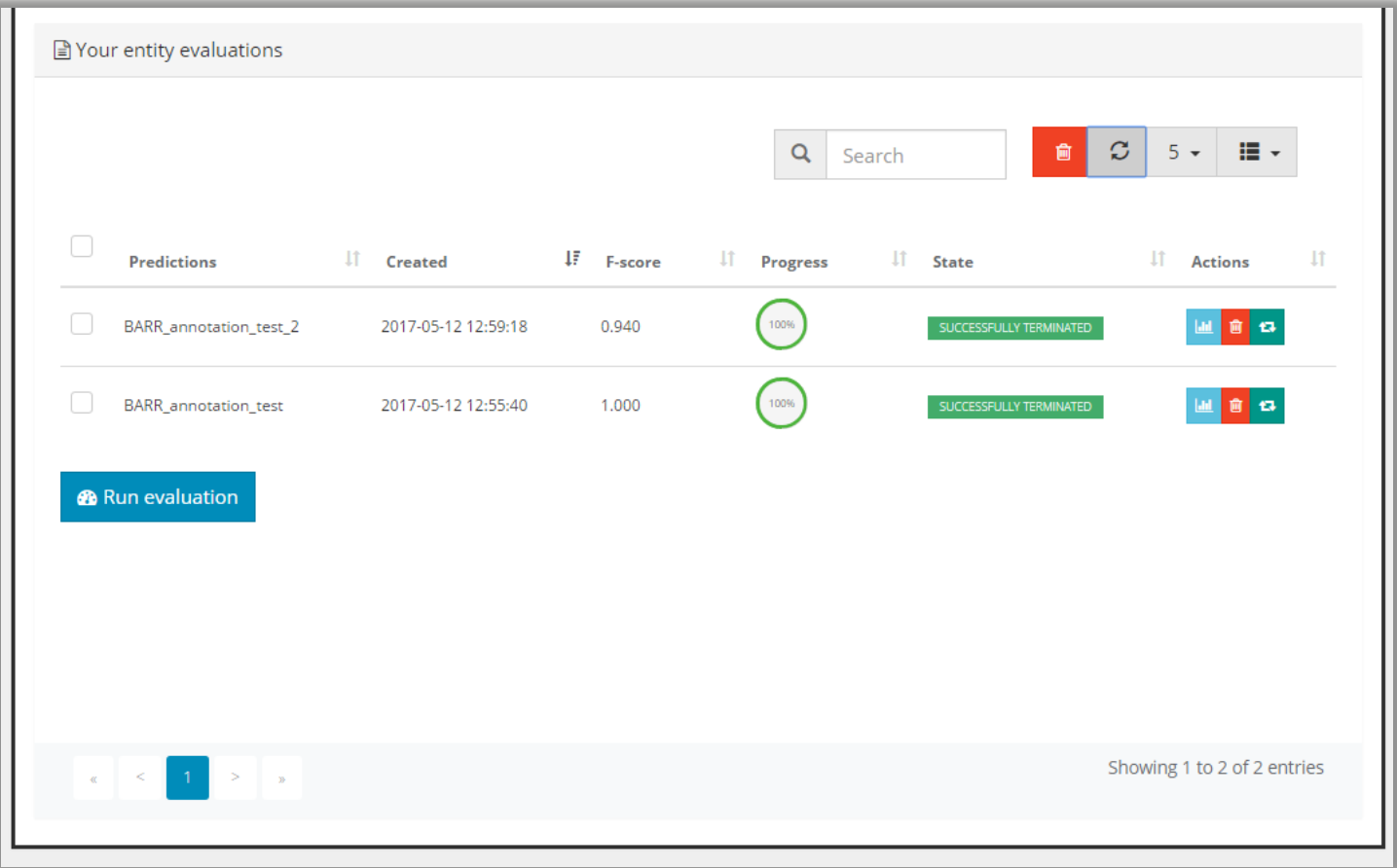
# EVALUATION RESULT VIEW

- This is an example of the general view of entity performance report.
- Typically, this report details performance in terms of F-score, precision, and recall (micro- and macro-averaged), and lists top false positives and negatives (by type and document).










# COMPARE EVALUATIONS(I)

- Once you have evaluated two or more entity files you may compare results. That is, evaluate whether your prediction ability has improved.
- For example, create a local copy of the prediction file that you previously uploaded and randomly remove some prediction entries from the file.
- Upload this new prediction file and evaluate it.



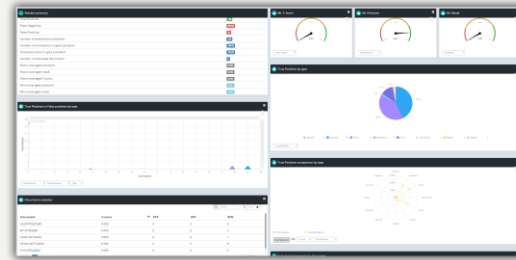
The screenshot displays a web interface titled "Your entity evaluations". It features a search bar and several action buttons (trash, refresh, list view, and a dropdown menu showing "5"). Below this is a table with columns for Predictions, Created, F-score, Progress, State, and Actions. Two evaluation entries are listed, both showing 100% progress and a "SUCCESSFULLY TERMINATED" state. A "Run evaluation" button is located below the table. At the bottom, there is a pagination control showing "1" and a status message "Showing 1 to 2 of 2 entries".

<input type="checkbox"/>	Predictions	Created	F-score	Progress	State	Actions
<input type="checkbox"/>	BARR_annotation_test_2	2017-05-12 12:59:18	0.940	100%	SUCCESSFULLY TERMINATED	  
<input type="checkbox"/>	BARR_annotation_test	2017-05-12 12:55:40	1.000	100%	SUCCESSFULLY TERMINATED	  

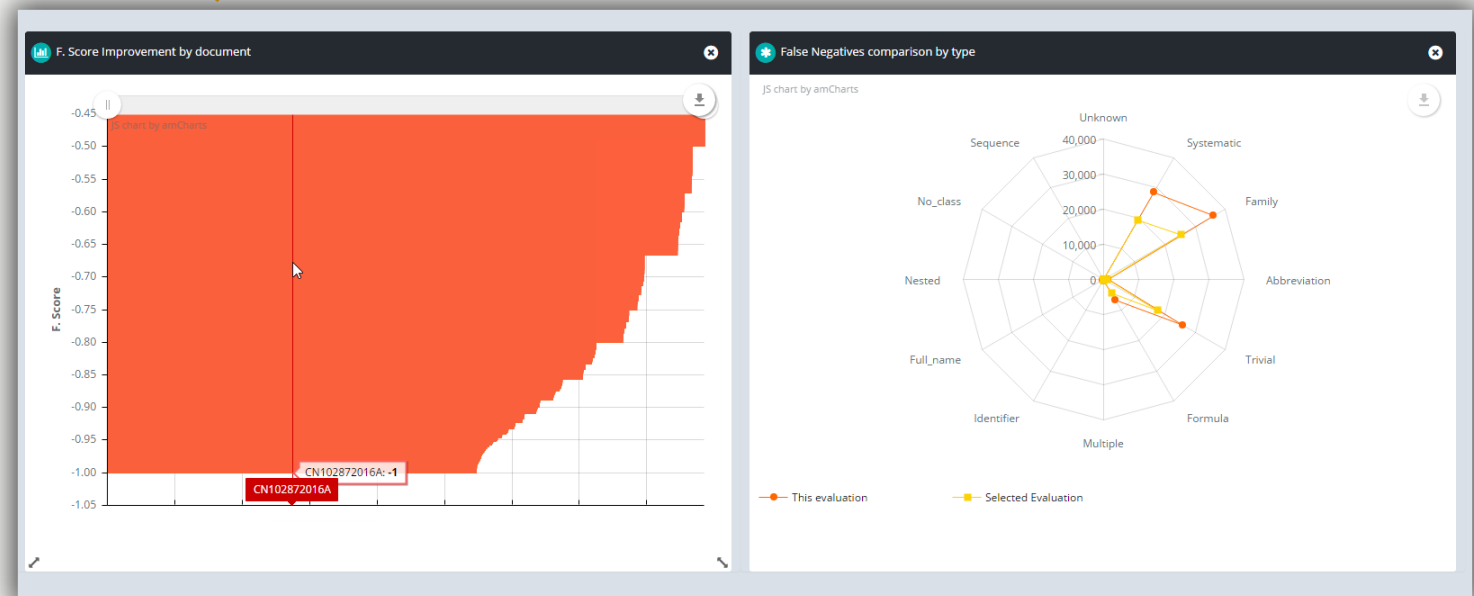
 Run evaluation

Showing 1 to 2 of 2 entries

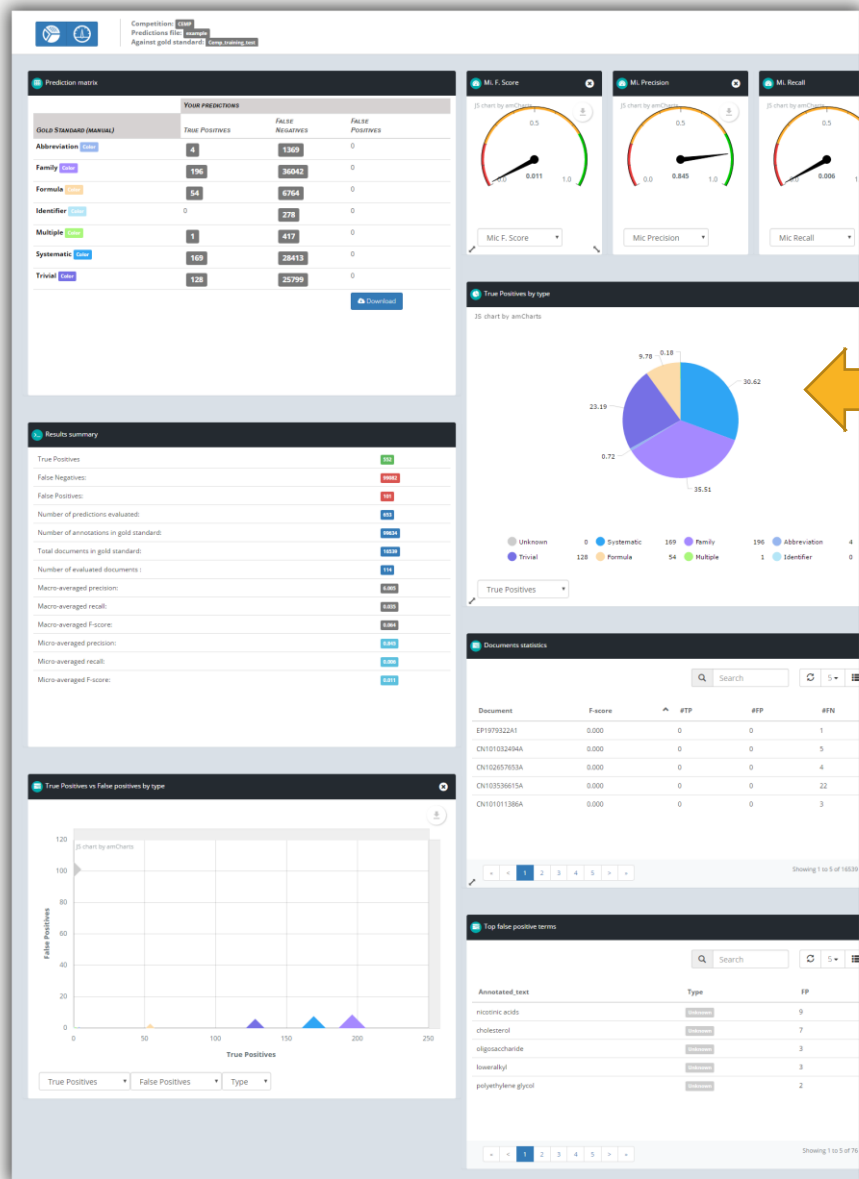
# COMPARE EVALUATIONS (II)



- By accessing the prediction report (as before), you have access to current performance as well as comparative figures.
- Some panels enable the comparison of the present statistics against the statistics obtained by any other entity file previously evaluated (e.g. check the entity evolution panel).

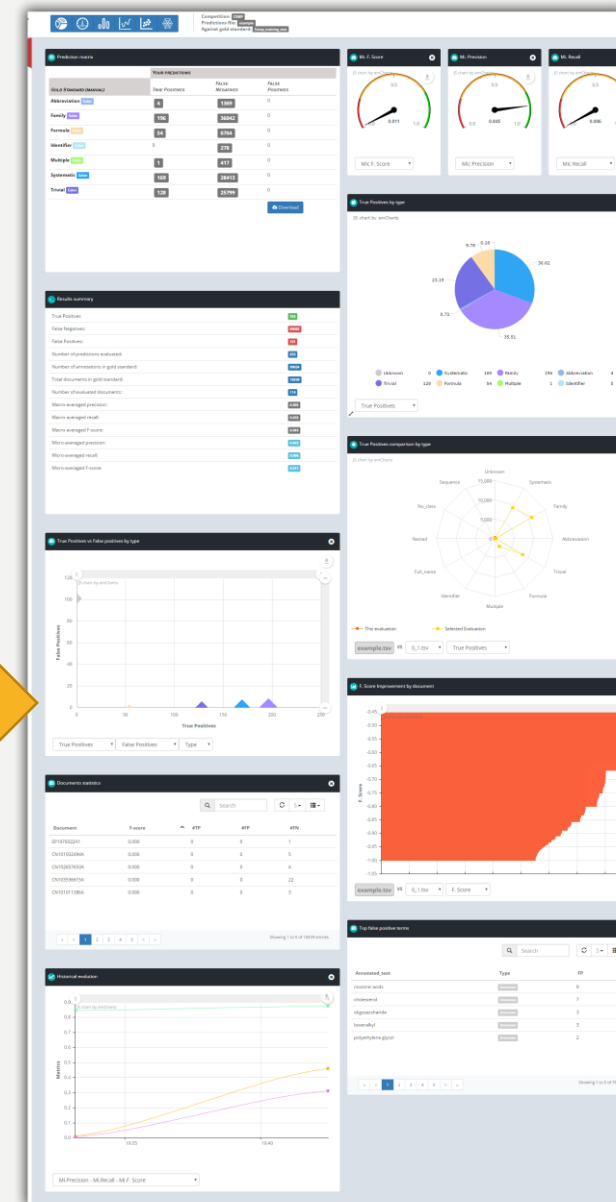


# COMPARE EVALUATIONS (III)



These are two general views of the evaluation report:

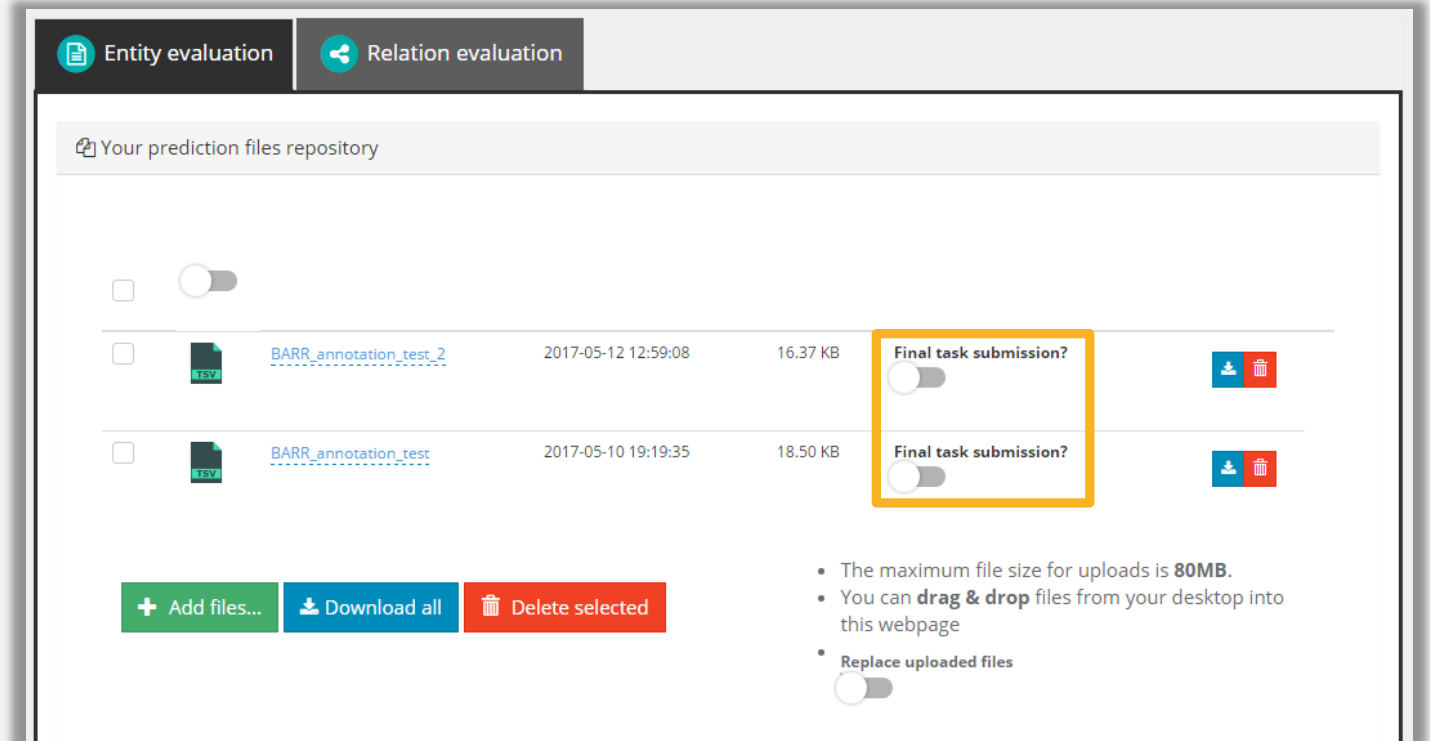
- the left one does not allow comparison while the right one enables entity comparison;
- comparisons are enabled automatically (once there are two or more evaluations you have new graphical artefacts).



# FINAL TASK SUBMISSION

From all the uploaded entity files you can choose the final task submissions:

- in the repository panel, switch the submit task button (slide the button to the right) of the file;
- BARR tasks allow a maximum of 5 entity file submissions per participant.



# CONTACT US

- All resources are available at <http://www.markyt.org/mmes/pages/resources>
- Contact us by clicking on the button on your account menu or the link at the bottom of the page.
- Help us make Markyt Evaluation functionalities as useful and intuitive as possible!

