

# **Information Retrieval**

Exercise – Winter term 2025/2026

[klara.gutekunst@uni-kassel.de](mailto:klara.gutekunst@uni-kassel.de)

# Agenda

1. TIRA Account
2. TIRA Token
3. TIRA Dry Run
4. TIRA Submission

# Assignment

- ❑ Implement one or more retrieval systems
- ❑ Due Date: Monday, 15.12.2025, 23:59
- ❑ Deliverable: TIRA submission(s)

# TIRA Account

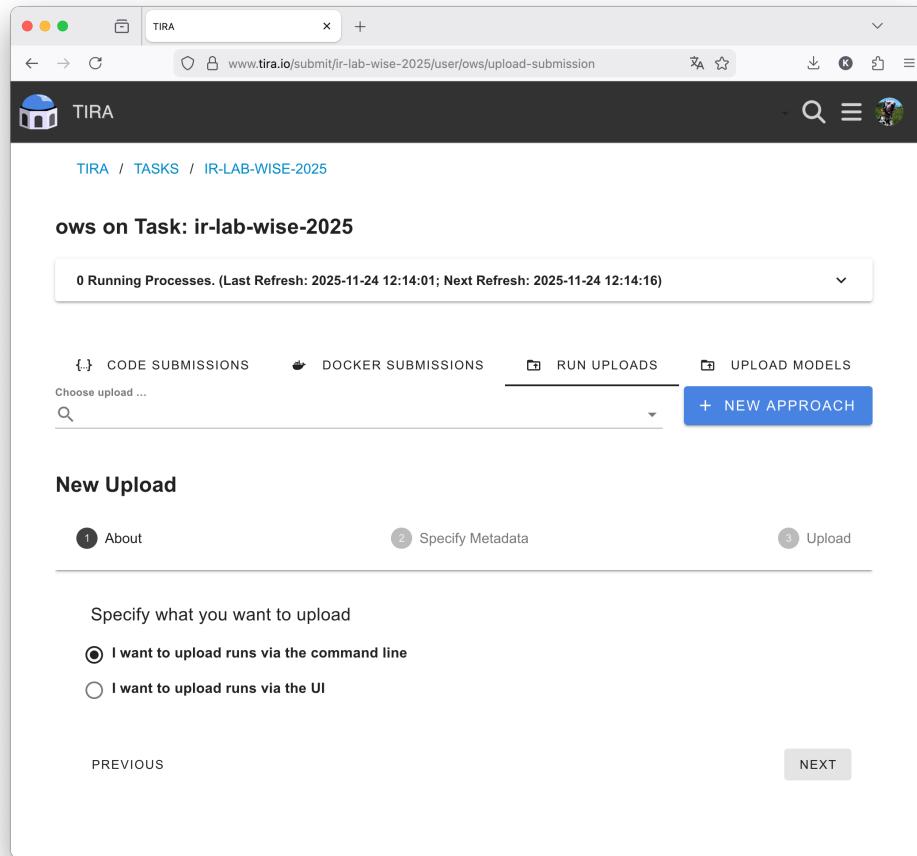
## TIRA Integrated Research Architecture

1. Sign up to TIRA.
  - You may use Login in with GitHub.
2. Go to GET STARTED.
3. Go to IR Lab Jena/Kassel/Radboud WiSe 2025.
4. Register your team.

# TIRA Token

## Upload Runs

(1) Go to IR Lab Jena/Kassel/Radboud WiSe 2025, (2) click on SUBMIT.



Display personal token for uploading runs to TIRA by clicking on NEXT.

# TIRA CLI

The TIRA CLI is included in the Python-based TIRA client.

To install it, simply install the TIRA client via: pip install tira.

```
● klara@ws04 pyterrier-baseline % tira-cli --help
usage: tira-cli [-h] [-v] {download,upload,evaluate,login,verify-installation,code-submission,dataset-submission} ...

positional arguments:
  {download,upload,evaluate,login,verify-installation,code-submission,dataset-submission}
    download      Download runs or datasets from TIRA.io
    upload       Upload runs or datasets to TIRA.io
    evaluate     Evaluate runs locally.
    login        Login your TIRA client to the tira server.
    verify-installation
                  Verify that your local TIRA client is correctly installed.
    code-submission  Make a code submission via Docker from a git repository.
    dataset-submission Submit a new task/dataset to tira.

options:
  -h, --help            show this help message and exit
  -v, --version         show program's version number and exit
```

TIRA CLI help page \* .

```
PROBLEME 5 AUSGABE TERMINAL ...
zsh - template-new-approach + ∨ □ ✎ ⌂ | ⌂ ×
● klara@ws04 template-new-approach % pwd
/Users/klara/Developer/Uni/WS2526/wows-code-ws2526/ecir26/template-new-approach
● klara@ws04 template-new-approach % ls output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title
ir-metadata.yml run.txt.gz
```

Ensure that the directory you upload follows the expected submission structure  
described in the [README] file.

\* As of 08.12.2025, TIRA version 0.0.192.

# TIRA Dry Run

# Verify your submission

! ir-metadata.yml x

ecir26 > template-new-approach > output > runs > radboud-validation-20251114-training > pyterrier-BM25-on-title > ! ir-metadata.yml

```
1 implementation:
2   executable: null
3   python:
4     interactive: false
5     modules: 3.10.12
6     packages:
7       - Deprecated==1.3.1
8       - GitPython==3.1.45
9       - Jinja2==3.1.6
10      - MarkupSafe==3.0.3
11      - PyGObject==3.42.1
12      - PyYAML==6.0.3
13      - Pygments==2.19.2
14      - asttokens==3.0.1
15      - beautifulsoup4==4.14.2
16      - cbor==1.0.0
17      - certifi==2025.11.12
18      - charset-normalizer==3.4.4
19      - click==8.3.1
20      - comm==0.2.3
21      - dbus-python==1.2.18
22      - debugpy==1.8.17
23      - decorator==5.2.1
24      - dill==0.4.0
25      - docker==7.1.0
26      - exceptiongroup==1.3.1
27      - executing==2.2.1
```

PROBLEME AUSGABE TERMINAL DEBUGGING-KONSOLE PORTS

zsh - template-new-approach + □ ✎ ⌂ ⌂ >

klara@ws04 template-new-approach % tira-cli upload --dry-run --directory output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title/ --dataset radboud-validation-20251114-training

\* Please specify the name of your system. Either:

Incorporate the tag into your ir-metadata (see <https://ir-metadata.org>),  
or, pass --system to tira-cli upload

Example for error upon invalid `ir-metadata.yml` file.

Placeholders for missing content of file is defined in the [submission-skeleton].

# TIRA Dry Run

## Verify your submission

**Example for valid `ir-metadata.yml` file.**

If `tira-cli upload --dry-run` fails, log in first using `tira-cli login -token <YOUR-KEY>`. You can find `<YOUR-KEY>` as described on the slide “TIRA Token”.

# TIRA Submission

## Upload your solution

Make sure that your `ir-metadata.yml` file specifies `ows` as the value for “actor: team:” (cf. previous slide).

```
▶ klara@ws04 template-new-approach % tira-cli upload --dataset radboud-validation-20251114-training --directory output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title/
I check that the submission in directory 'output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title/' is valid...
✓ I will check that the data in output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title is valid ...
✓ The run in directory output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title is valid.
✓ The file ir-metadata.yml is valid.

Upload output/runs/radboud-validation-20251114-training/pyterrier-BM25-on-title to TIRA: 100% [ 1.19M/1.19M ] [00:01<00:00, 634kB

✓ The data is uploaded.

I upload the metadata for the submission...
✓ Done. Your run is available as pyterrier-BM25-on-title at:
https://www.tira.io/submit/ir-lab-wise-2025/user/ows/upload-submission
```

Upload a valid submission following the steps described in the [TIRA](#) submission instructions.

You can find guidance on where to access the [TIRA](#) submission instructions on the slide “TIRA Token”.