

# UA Repository

## TNW - Tracking Research Objects

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Esther Plomp

# TNW - Tracking Research Objects



NPOS Accelerate Open Science Template <https://doi.org/10.5281/zenodo.4529129>

Presentation slides: <https://doi.org/10.5281/zenodo.15641473>

# Esther Plomp

- Currently Postdoc/Research Developer at **University of Aruba, Research Center**
- Data Steward at TU Delft (2018-2024), Faculty of Applied Sciences
- Member of several **Open Science communities** ([OKFN](#), [OLS](#), [The Turing Way](#), [IsoArch](#), [DRA](#), [Open Research Calendar](#))



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# Tracking research objects at TNW

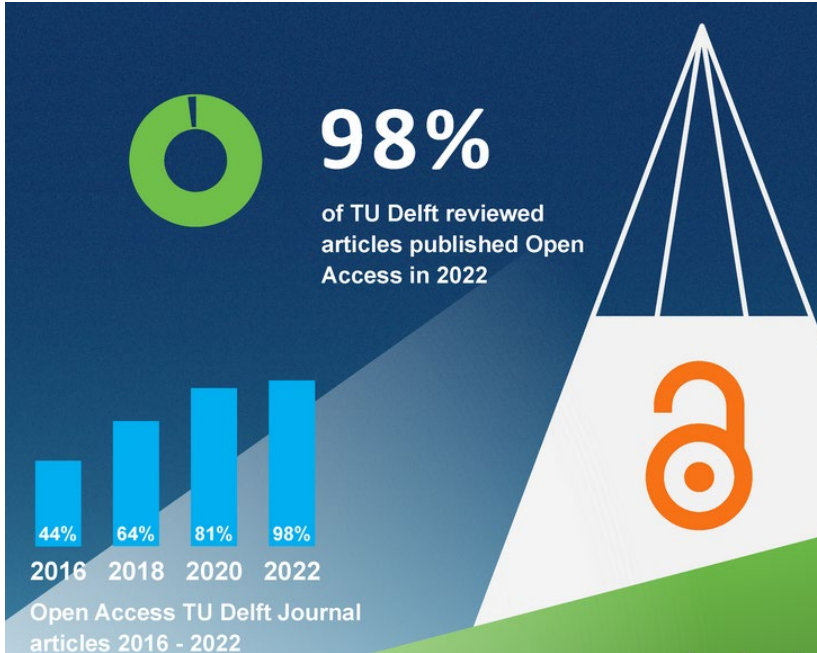
- eScience Fellowship project 2024-2025



netherlands  
**eScience** center

# Esther / TU Delft, Faculty of Applied Sciences case study

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vs



TU Delft Library | Research Support 30-06-2023



<https://www.tudelft.nl/en/library/library-for-researchers/publishing-outreach/creating-your-publishing-strategy/open-access-publishing>

<https://doi.org/10.5281/zenodo.13952612>

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# No automated approach

- It is not as easy to check sharing of research objects compared to whether a published research article is open access or not  
(there may be multiple research objects, no research objects, or research objects unrelated to articles)
- **Manually checking** of published articles takes a long time



<https://doi.org/10.5281/zenodo.10939832>

**Tracking  
Research  
Objects at  
the Faculty  
of Applied  
Sciences,  
TU Delft**

# **eScience Center Fellowship Programme 2024: Application Form**

Esther Plomp 8 April – <https://doi.org/10.5281/zenodo.10939832>

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# Challenges

- Monitors such as [Charité Metrics Dashboard](#), [French Open Science monitor](#) and previous projects ([SWORDS](#)) only track research objects at the **institutional level**
- Projects based on text scraping take up more resources (Vermaas, [ODDPub](#))
- No information to inspire change at the **department level**



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# eScience Center Fellowship

- What if you can **enter a list of DOIs** in a script and then see how many of those DOIs contain underlying research objects?
- Script set up by Ewan Cahen **checks cited DOIs** from DataCite (includes data/code/preprints)
- Positive hit where the author list of the publication and research output is similar
- Still a manual check involved



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# Challenges script

- Only works if authors self-cite research outputs
- Researchers tend to not do this 😊
- Likely an **underestimation** of the actual sharing
- Still requires a manual check



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# Open Science Festival session

- Discussion session with short intro to eScience Fellowship projects Meron/Esther, survey about tracking research objects
- [Blogpost](#) recap
- [Slides](#)



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# Checking popular repositories

- [4TU.ResearchData](#)
- [Zenodo](#)
- Conclusions: Data/code is shared – but **little links** to related publications and other research objects (preprints change names, DOIs not included in metadata or README)

<https://doi.org/10.5281/zenodo.15642720>



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# Moving forward

- How do we move from 0-30% to better numbers? (what are better numbers?)
- How can we link Research Objects better?
- **Data availability statements** are not machine readable – citation (/using DOIs) works better in this case (but see [ODDPub](#))
- What can publishers do? (#AddedValue)



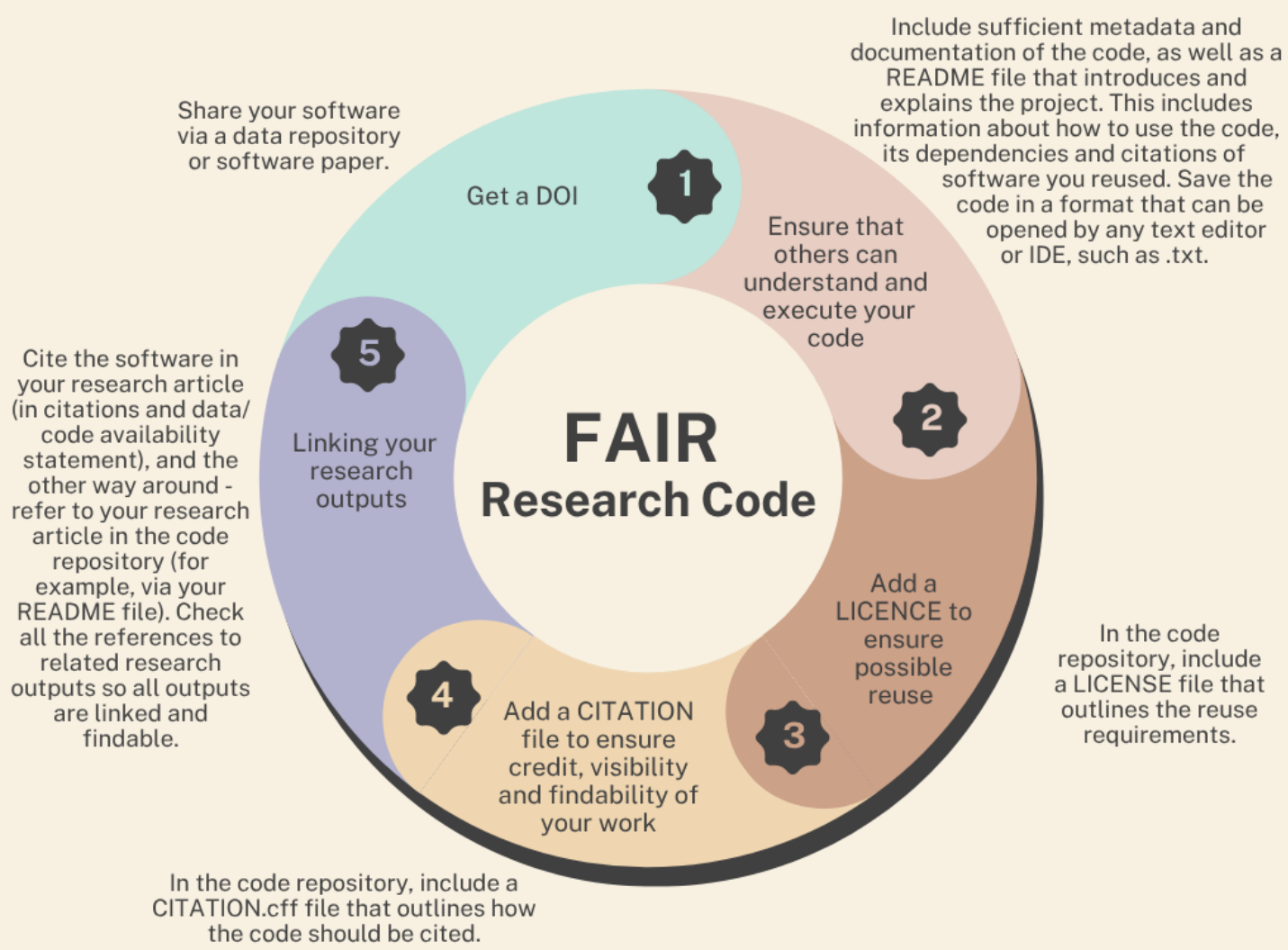
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# Moving forward – for researchers

- Set up guidelines for researchers to follow and make their research outputs more visible!



# Update of the A Guide to Reproducible Code in Ecology and Evolution




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# Include guidance on <https://fair-software.nl/>



- Currently little focus on how to cite research software & how to link research objects on this website












 **TNW-Tracking** Public

 Pin  Unwatch 2  Fork 0  Star 2

 main 

   Code

|   |  |  |
|---|--|--|
|  <b>EstherPlomp</b> Update abstract-OSF.md | 9a42e85 · 26 minutes ago                       |  45 Commits |
|  <b>dois</b>                               | add a first iteration of a script that can ... | 2 weeks ago  |
|  <b>.gitignore</b>                         | add a first iteration of a script that can ... | 2 weeks ago  |
|  <b>History.MD</b>                         | Update History.MD                              | 2 weeks ago  |
|  <b>LICENSE</b>                            | Initial commit                                 | 4 months ago   |
|  <b>README.md</b>                          | Update README.md                               | 2 weeks ago  |
|  <b>RS-Directory.md</b>                    | Update RS-Directory.md                         | 3 months ago   |
|  <b>abstract-OSF.md</b>                    | Update abstract-OSF.md                         | 26 minutes ago   |

 **README**  Apache-2.0 license  







## TNW-Tracking

Tracking Research Objects at the Faculty of Applied Sciences, TU Delft

Evaluation of researcher performance is currently a contested subject within academia. Although many researchers contribute to their field of expertise in a multitude of manners, the most stringent criteria of success is the number of research articles published. Subverting the current "publish or perish" culture requires a novel approach

### About

repository for the eScience Fellowship project on tracking research objects

-  **Readme**
-  Apache-2.0 license
-  Activity
-  2 stars
-  2 watching
-  0 forks




### Releases

No releases published  
[Create a new release](#)

### Packages

No packages published  
[Publish your first package](#)

### Contributors 3

-  **EstherPlomp** Esther Plomp
-  **c-martinez** Carlos Martinez
-  **ewan-esience**



## Relevant Projects and Resources

- [Charité Metrics Dashboard](#) (using [ODDPub](#))
  - ODDPub allows to obtain estimates of the prevalence of Open Data in the biomedical literature on a larger scale and independent of data availability statements. The ODDPub algorithm is freely available as R package on GitHub (<https://doi.org/10.5281/zenodo.4071699>, RRID:SCR\_018385). <https://github.com/quest-bih/oddpub/tree/v6>
- [French Open Science monitor](#) (using [GROBID](#) and [softcite](#)). See [Bassinet et al. 2023](#).
  - Softcite dataset [Howison et al. 2023](#), [Du et al. 2021](#) - and Softcite software mention recognizer [Lopez et al. 2021](#)
  - Note on softcite: only coverage/accuracy in Life Sciences and Economics, and to implement larger scale you'll need your own server
  - [University of Lorraine adaption](#) (see [website](#))



## Repository includes a history of relevant projects

- ✓ [Charité Metrics Dashboard](#)
- ✓ [French Open Science Monitor](#)
- ✓ [Open Science Monitoring Initiative](#)
- ✓ ??

# Thank You!

<https://doi.org/10.5281/zenodo.15641473>



<https://www.esciencecenter.nl/fellowship-programme>

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