# Publishing and archiving data with 4TU.ResearchData

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February 9, 2024



#### 4TU.ResearchData repository service

- Curated data and software repository for science, engineering & design:
- Supports publishing and "long-term" preservation:
- Expands the ability to re-use (collaborate) your data.



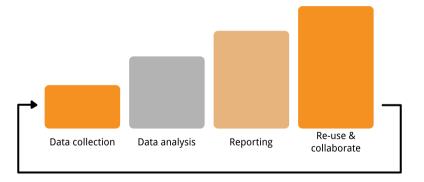








#### Our place in the research process



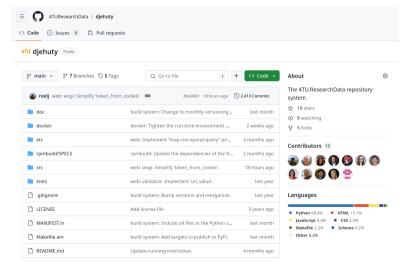


#### In the context of FAIR

- Findable: DOIs, landing page, curated metadata export to aggregators
- Accessible: Access control, format-specific optimizations (Git, NetCDF)
- Interoperable: Git, NetCDF, recommended file formats
- Reusable: File download, licencing options, NetCDF, Git



#### Free and Open Source



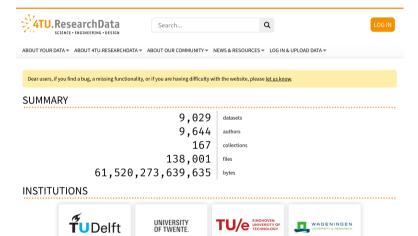


#### Benefits for you

- For researchers at TU Delft: Up to 1TB storage per year;
- Receive a persistent identifier for a published dataset;
- Find your dataset in aggregation services like DataCite;
- Find out how many times and where-from your data is downloaded.

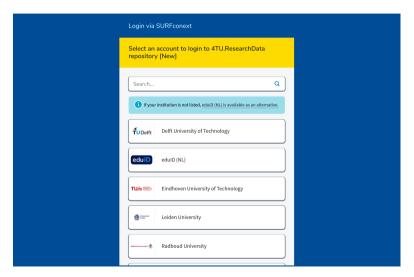


#### Step 1: 4TU.ResearchData repository



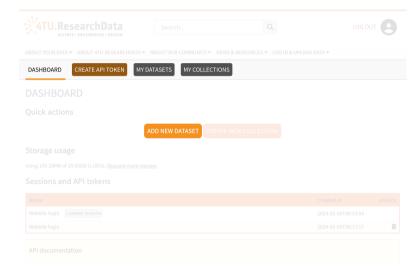


#### Step 2: Log in



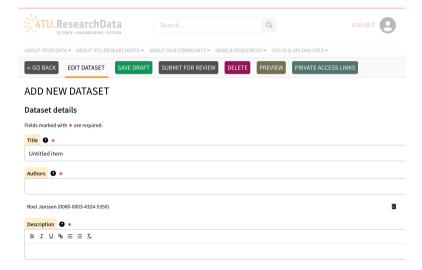


## Step 3: Create a dataset





#### Step 4: The metadata form (1/3)



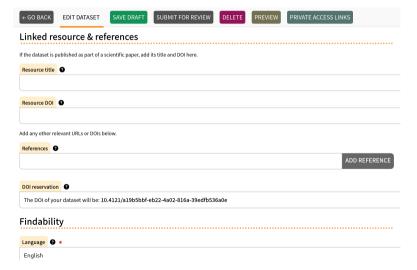


## Step 4: The metadata form (2/3)

← GO BACK									
Licence & Access									
Open access									
Open access is the default setting in 4TU.ResearchData by which your dataset will be directly accessible to others.									
Licence • *									
Select a licence	,								
Categories • *									
Select categories									
Group *									
Delft University of Technology									
Delft University of Technology									
Publisher									
4TU.ResearchData									
Funding ①									



### Step 4: The metadata form (3/3)



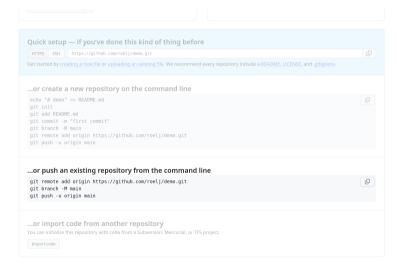


## Step 5: Interacting with Git (1/3)

← GO BACK	EDIT DATASET	SAVE DRAFT	SUBMIT FOR REVIEW	DELETE	PREVIEW	PRIVATE ACCESS LINKS
Files						
Туре						
Metadata-onl	y record External l	ink File deposit	Software deposit			
Publish sourc	e code through 0	Sit				
To publish from a	Git repository, push a	branch to the 4tu	remote.			
First, add the 4tu	remote:					
git remote	add 4tu https:	//data.4tu.nl/	/v3/datasets/445c935	e-2d80-476	3-92ae-001a8	3085a6ea.git
Then, push the re	pository to it:					
git push 4 git push 4						
Git repository	files and branch	nes &				
Git default bran	ch 🚱					
Git file list						



### Step 4: Interacting with Git (2/3)





## Step 4: Interacting with Git (3/3)

← GO BACK	EDIT DATASET	SAVE DRAFT	SUBMIT FOR REVIEW	DELETE	PREVIEW	PRIVATE ACCESS LINKS
Git repositor	y files and branc	hes 😅				
Git default bra						
main						
Git file list						
.gitignore						
LICENSE						
MANIFEST.in						
Makefile.am						
README.md						
configure.ac						
doc						
docker						
etc						
guix.scm						
main.py						
pyproject.to	ml.in					
	na danda					

