

Universität Stuttgart
FoKUS Forschungsdatenkompetenzzentrum



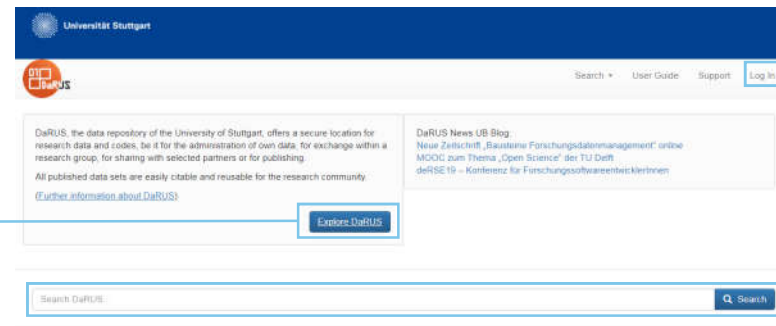
First Steps with DaRUS

The Data Repository of the
University of Stuttgart

DaRUS Homepage

https://darus.uni-stuttgart.de

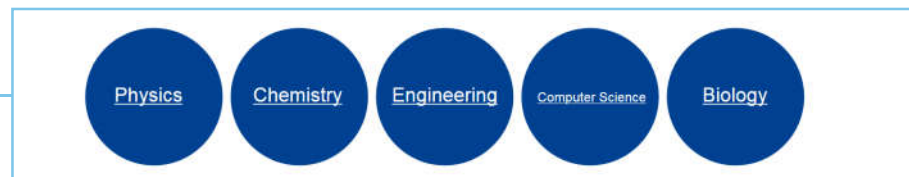
exploring the contents



log in with institutional account

full text search in all dataverses

discipline specific filtering



Log In

Log In

Log in or sign up with your institutional account — [learn more](#). Leaving your institution? Please contact [daRus support team](#) for assistance.

Your Institution

Universität Stuttgart
Universität Stuttgart

Wählen Sie Ihre Institution

[Institution selbst angeben](#)

Other options

Log In

Log in or sign up with your institutional account — [learn more](#). Leaving your institution? Please contact [daRus support team](#) for assistance.

Your Institution

Universität Stuttgart
Universität Stuttgart

Wählen Sie Ihre Institution

- Universität München
- Universität Münster
- Universität Oldenburg
- Universität Osnabrück
- Universität Paderborn
- Universität Passau
- Universität Potsdam
- Universität Regensburg
- Universität Rostock
- Universität Salzburg
- Universität Siegen
- Universität St. Gallen
- Universität Stuttgart**
- Universität Trier
- Universität Tübingen
- Universität Ulm
- Universität Vechta
- Universität Witten/Herdecke
- Universität Würzburg
- Universität zu Köln

Other options

Universität Stuttgart

Bitte melden Sie sich mit Ihrem **Universitätskonto** an

ACXXXXX

Besucher der Universitätsbibliothek ohne Universitätskonto geben hier bitte Kontonummer und Passwort der Universitätsbibliothek an, wenn sie sich in den Räumen der Universitätsbibliothek befinden, oder allgemein zugängliche Dienste wie Katalog, Aushelfsystem oder PL/DIA nutzen wollen.

choose institution → use institutional login for authentication

After the first login, the local admin(s) can “see” you in the system and give you access to unpublished dataverses and datasets.

Explore DaRUS

The screenshot shows the DaRUS website interface. At the top, it identifies itself as 'DaRUS (University of Stuttgart)' and shows '52 Downloads'. Below this is a navigation bar with 'Contact', 'Share', and 'Edit' options. A banner features logos for 'SimTech', 'SFB 1313', 'itt', and 'IAG'. A search bar is present with a 'Find' button and an 'Advanced Search' link. On the left, a sidebar provides filters for 'Dataverses (81)', 'Datasets (68)', and 'Files (120)', along with 'Publication Status' and 'Dataverse Category' facets. The main content area displays search results, including 'Yen-Cheng Yeh Dataverse' and several datasets with titles like 'Workflows for molecular dynamics simulations' and 'Wavelet-Based Compression Algorithm for Large-Scale CFD Simulations'. Annotations with blue lines point to various parts of the interface: 'direct access to featured Dataverses' points to the banner; 'full text search' points to the search bar; 'filter results via search facets, configurable by local admin' points to the sidebar; 'Dataverse' points to the top result; and 'Dataset' points to the list of dataset entries.

direct access to featured Dataverses

full text search

filter results via search facets, configurable by local admin

Dataverse

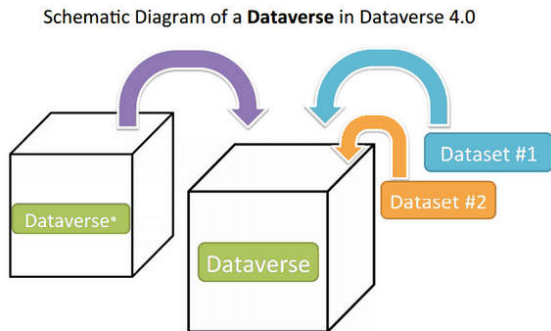
Dataset

Explore DaRUS

The screenshot displays the DaRUS (University of Stuttgart) website interface. Key elements and annotations include:

- Admin Menu:** A dropdown menu titled "DaRUS (University of Stuttgart)" is shown, listing options: "General Information", "Theme + Widgets", "Permissions", "Groups", "Dataset Templates", "Dataset Guestbooks", and "Featured Databases". An annotation "configure Dataverse (admin)" points to this menu.
- Navigation:** A "Metrics" bar shows "52 Downloads". A "Contact Share Edit" menu is visible. An annotation "add Dataverse/-set" points to a "+ Add Data" button, which has a dropdown menu with "New Dataverse" and "New Dataset".
- Logos:** Logos for "SimTech", "SFB 1313", "itt", and "IAG" are displayed.
- Search:** A search bar with "Find" and "Advanced Search" buttons. An annotation "detailed search" points to the "Advanced Search" button.
- Results:** A search result for "Yen-Chern Yeh Dataverse (Universität Stuttgart (Test))" is shown. An annotation "sort results" points to a "Sort" dropdown menu with options: "Name (A-Z)", "Name (Z-A)", "Newest", and "Oldest".
- Filters:** A sidebar on the left contains filters for "Publication Status", "Dataverse Category", "Metadata Source", "Publication Year", and "Author Name".

Dataverses and Datasets



Container for your **Datasets** and/or **Dataverses***

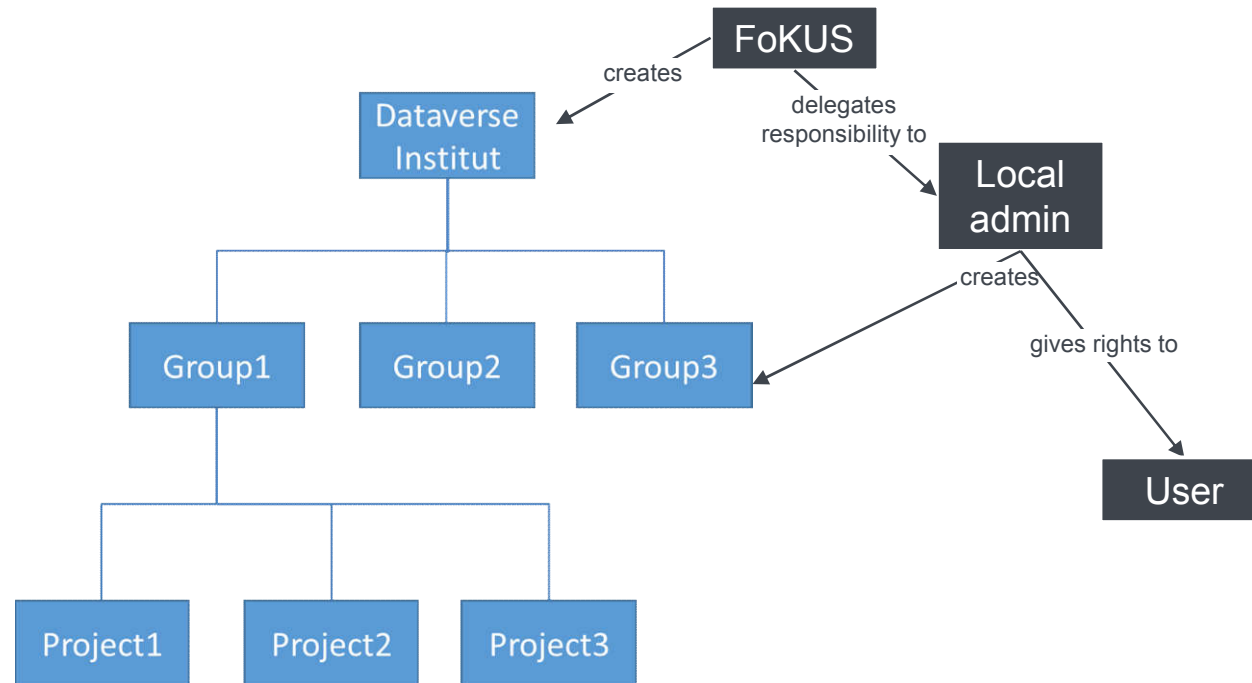
* Dataverses can now contain other Dataverses (this replaces Collections & Subnetworks)

Source: Dataverse User Guide,

<http://guides.dataverse.org/en/latest/user/dataverse-management.html>

- A Dataverse contains other Dataverses or Datasets (Container)
- A Dataset includes metadata and one or several files

Organisation of Dataverses



do not think in folders (Dataverses), but build structure over metadata and then filter
→ Dataverses important only for rights

Using APIs

Create API-Token

The image shows two screenshots of the DaRUS web application. The top screenshot is a close-up of the navigation menu, where the 'Fokus Testgast' dropdown is open, and the 'API Token' option is highlighted with a blue box. The bottom screenshot shows the 'DaRUS > Account' page with the 'API Token' tab selected. The page contains a message: 'Your API Token is displayed below after it has been created. Check out our API Guide for more information on using your API Token with the Dataverse APIs.' Below this is a grey box with the text 'API Token for Fokus Testgast has not been created.' and a 'Create Token' button.

Check API-Guide: <http://guides.dataverse.org/en/latest/api/native-api.html>

Create Dataset via API

Automation

```
curl -H "X-Dataverse-key: $API_TOKEN" -X POST https://darus.uni-stuttgart.de/api/dataverses/$DV_ALIAS/datasets --upload-file $FILE.json
```

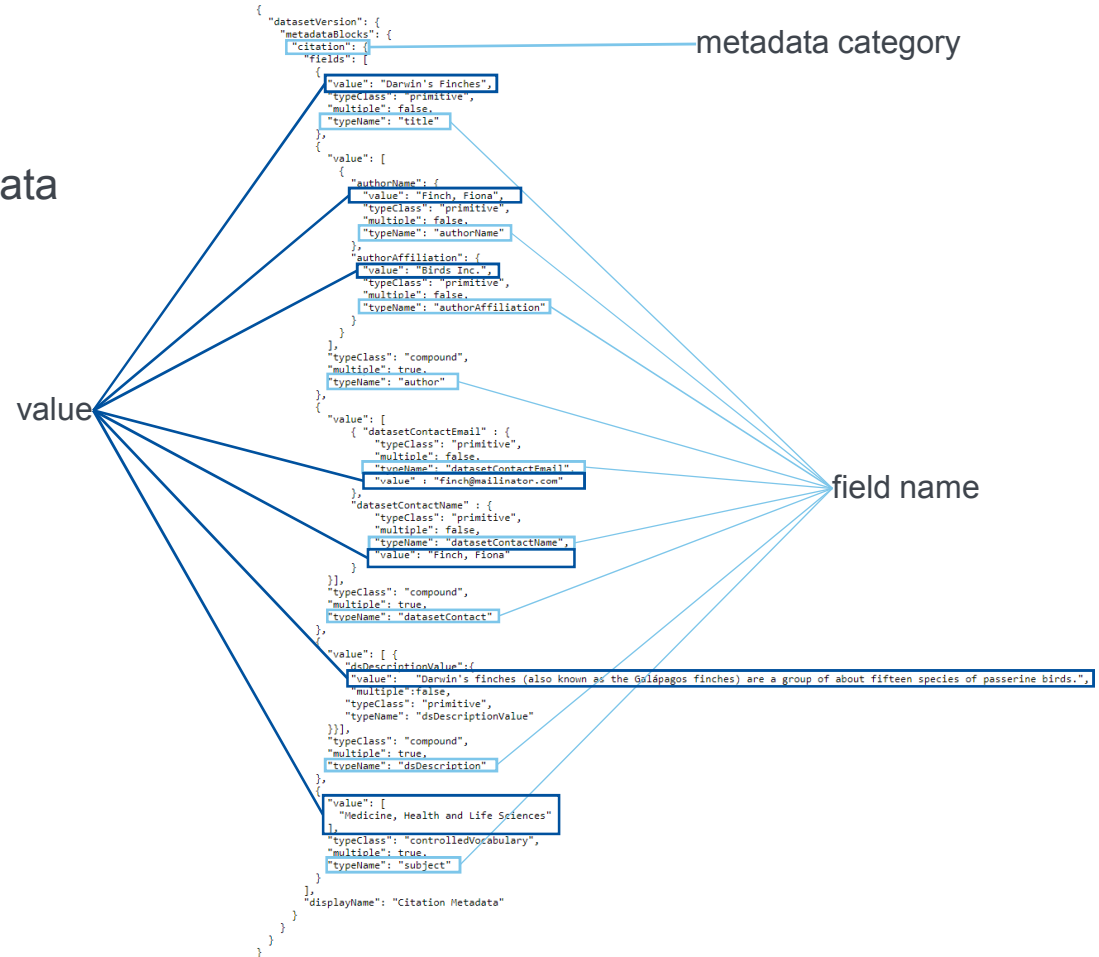
- \$API_TOKEN: Personal API-Token created on the Web-Interface:
<https://darus.uni-stuttgart.de/dataverseuser.xhtml?selectTab=apiTokenTab>
- \$DV_ALIAS: Unique ID of the dataverse: Last part of Dataverse-URL



Create Dataset via API

Metadatafile

- \$FILE.json: Metadata in JSON-Format



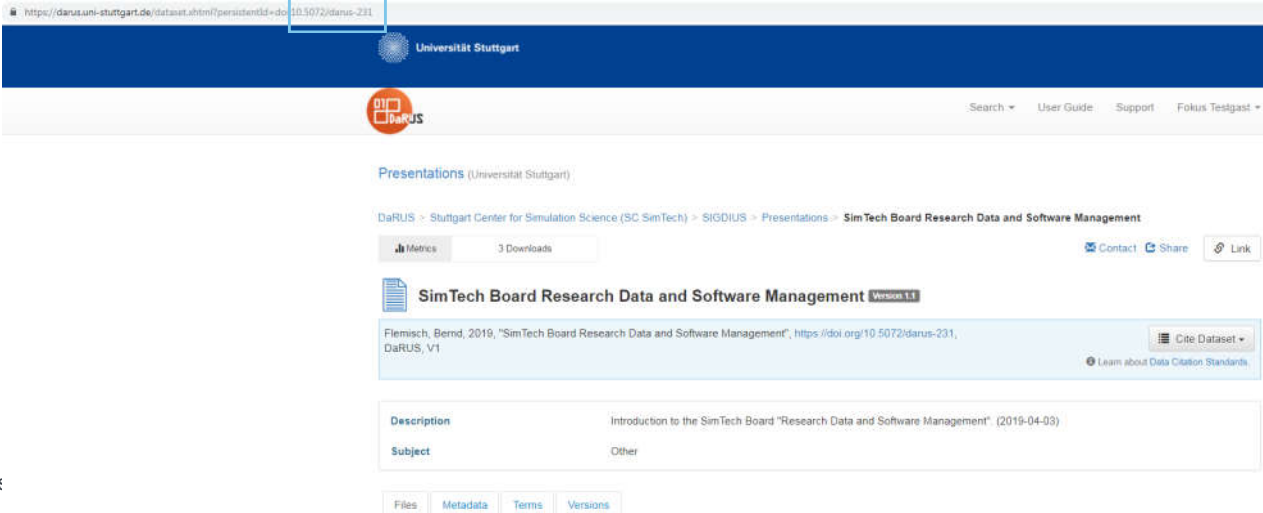
Add Files via API

For Files > 2 GB and < 100 GB

optional: additional information about the file

```
curl -H "X-Dataverse-key:$API_TOKEN"  
-X POST -F 'file=@$FILENAME'  
-F 'jsonData={"description":"My description.", "directoryLabel":"data/subdir1", "categories":["Data"], "restrict":"true"}'  
https://darus.uni-stuttgart.de/api/datasets/:persistentId/add?persistentId=$PERSISTENT_ID"
```

- \$API_TOKEN: Personal API-Token created on the Web-Interface: <https://darus.uni-stuttgart.de/dataverseuser.xhtml?selectTab=apiTokenTab>
- \$FILENAME: File to upload
- \$Persistent_ID: Unique ID of the Dataset: Last part of Dataset-URL



The screenshot shows the DaRUS web interface. The URL in the browser is <https://darus.uni-stuttgart.de/dataset.xhtml?persistentId=doi:10.5072/darus-231>. The page title is "Presentations (Universität Stuttgart)". The breadcrumb trail is "DaRUS > Stuttgart Center for Simulation Science (SC SimTech) > SIGDIUS > Presentations > SimTech Board Research Data and Software Management". The page shows a "Metrics" section with "3 Downloads", a "Contact Share Link" section, and a "Cite Dataset" section with the citation: "Flemisch, Bernd, 2019, 'SimTech Board Research Data and Software Management', https://doi.org/10.5072/darus-231, DaRUS, V1". The "Description" section contains the text: "Introduction to the SimTech Board 'Research Data and Software Management' (2019-04-03)". The "Subject" section contains the text: "Other". At the bottom, there are tabs for "Files", "Metadata", "Terms", and "Versions".

First Step:

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Getting Help

In that Order, please 😊

- Dataverse User Guide: <http://guides.dataverse.org/en/latest/user/index.html>
- Dataverse API Guide: <http://guides.dataverse.org/en/latest/api/index.html>
- DaRUS FAQ: <https://www.izus.uni-stuttgart.de/fokus/darus/>
- Is it a bug? <https://github.com/TIK-NFL>
- Ask your local admin:
It's the one with the role „DaRUS Admin“ in the Identity Management
- Ask the DaRUS-User-Mailinglist: darus@listserv.uni-stuttgart.de
- Ask the FoKUS-Team: fokus@izus.uni-stuttgart.de