



**SWISS  base**

# **A Multidisciplinary Archiving Service for Research Data**

Stefan Buerli, Bojana Tasic

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Swiss Research Data Day, 22 October 2020



# The Partners



SWITCH



supported by:  
**swissuniversities**

# Roadmap



# Key Features

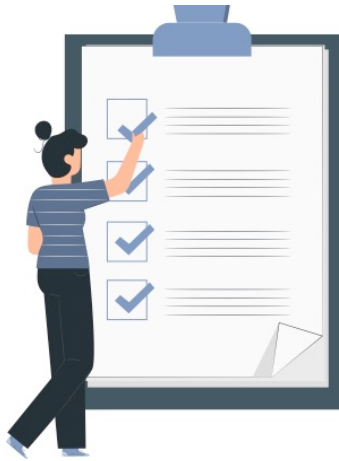
- > Cross-disciplinary
- > Modular, discipline-specific metadata schemas
- > FAIR, OAIS-compliant, and non-commercial repository
- > Embedded institutional projects and data catalogue
- > Access control to data and customisable contracts

# Future Stakes

- > Accessibility: easy
- > Interoperability: a little more difficult
- > The major stakes in the future will be the **findability** and **reusability** of research data
  - > human expertise and rich metadata needed

# What makes SWISSUbase unique?

> Rich metadata

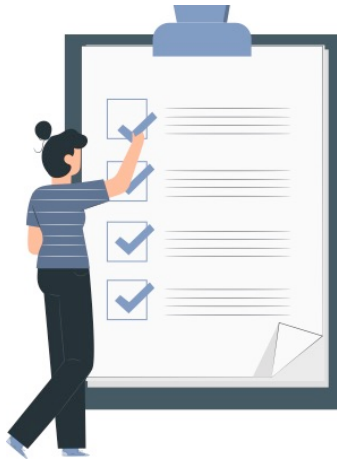


> Services and expertise



# What makes SWISSUbase unique?

> Rich metadata





# Catering to researchers and institutions

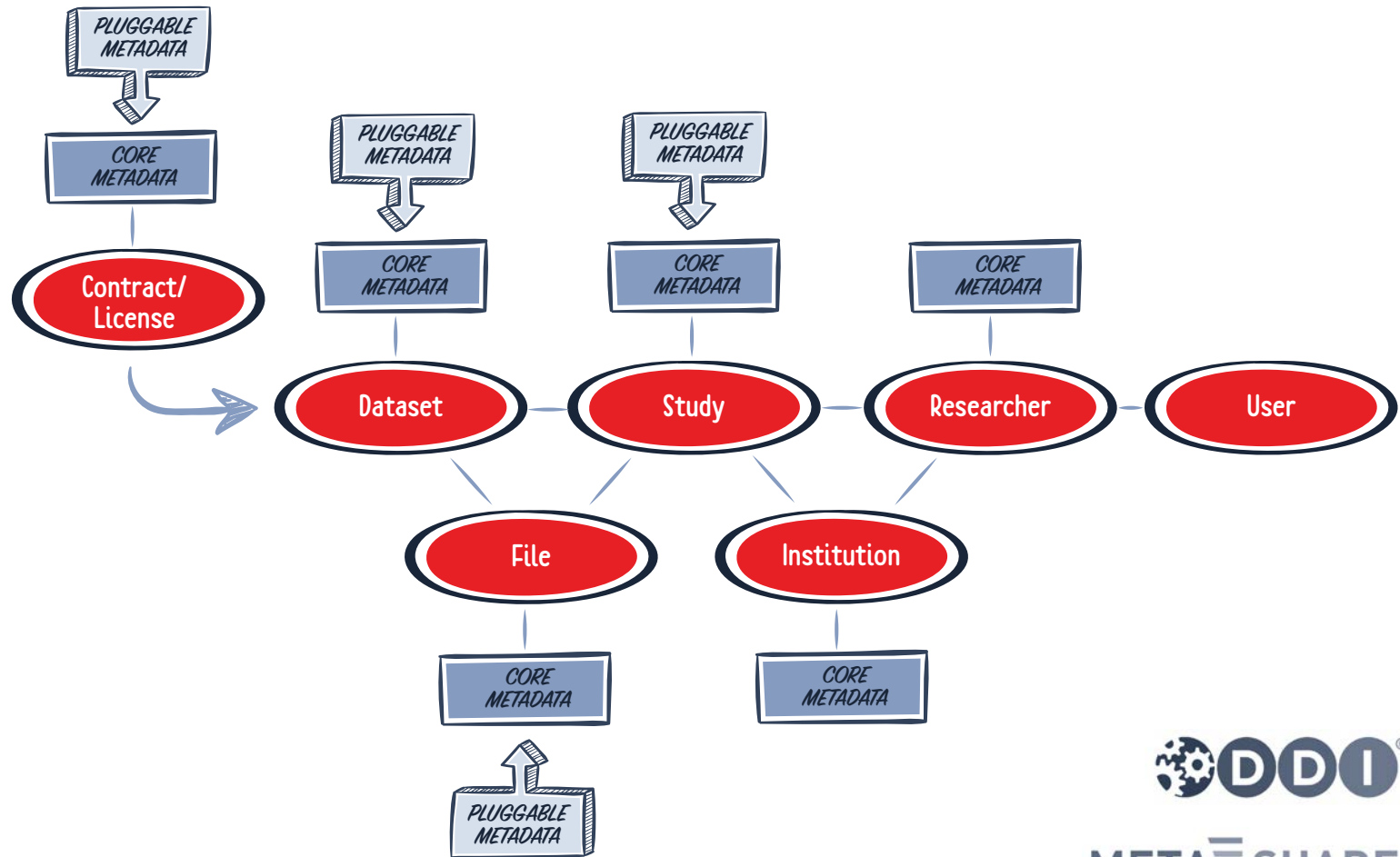


- > Institutions want to a cross-disciplinary solution that allows their researchers from all scientific domains to describe and deposit their data



- > Researchers want a domain-specific solution that allows them to precisely describe their data and make it findable in discipline-specific research catalogues

# Pluggable rich metadata



# Different metadata schemas

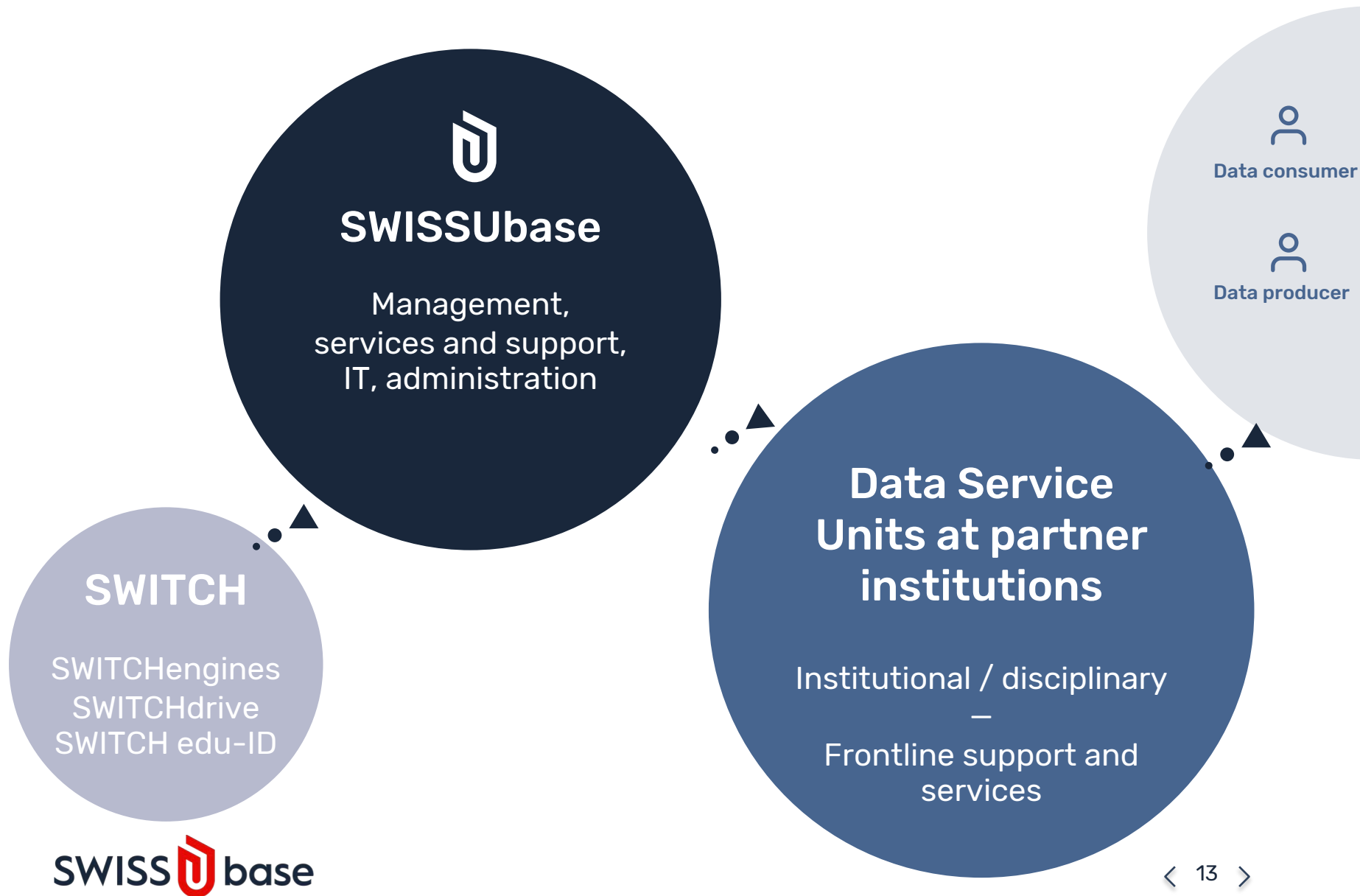
- > General metadata schema that suits all disciplines
- > Domain-specific metadata schemas:
  - > Social Sciences
  - > Linguistics
  - > Humanities (2021)
  - > Geosciences (2021)

# What makes SWISSUbase unique?

> Services and expertise



# Institutional Framework



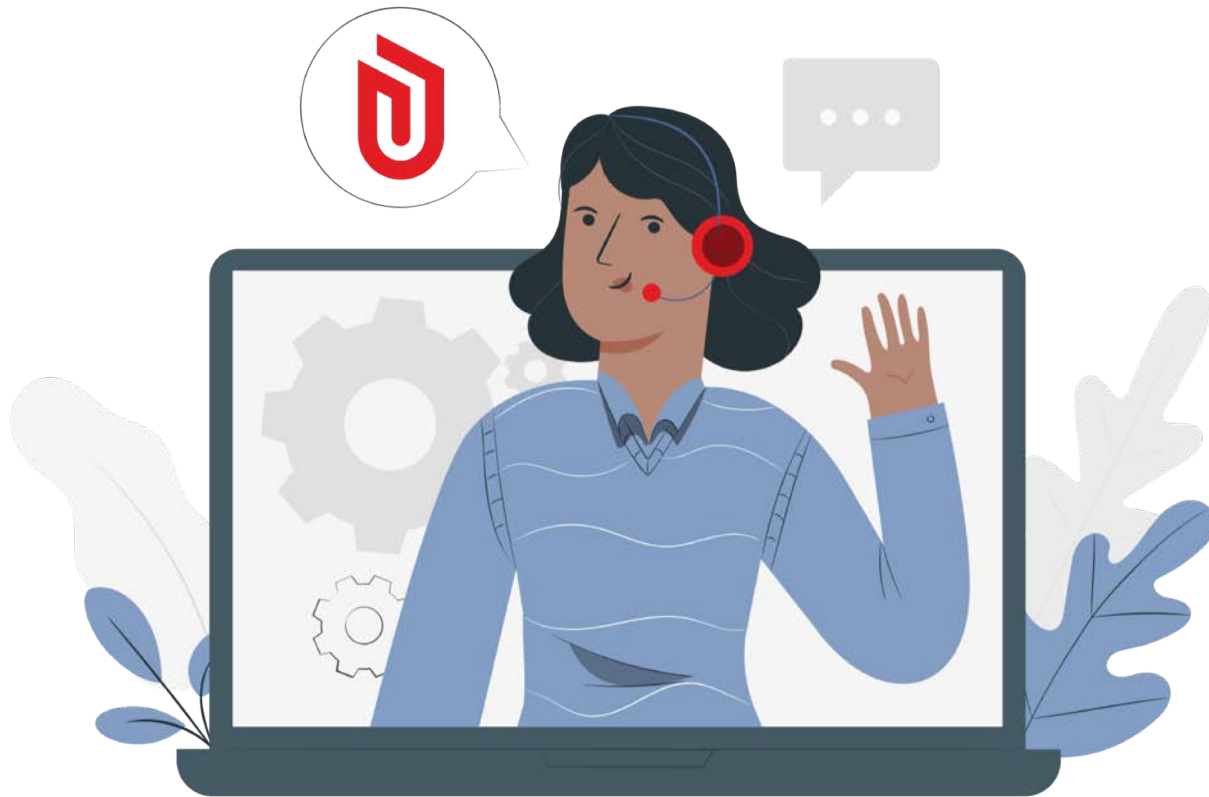
# Services

- > Services and expertise based on over 20 years of experience in archiving of research data
  - > Guides
  - > Trainings
  - > Helpline
  - > Policy Support
  
- > Community-building and knowhow-sharing

# Train the trainers

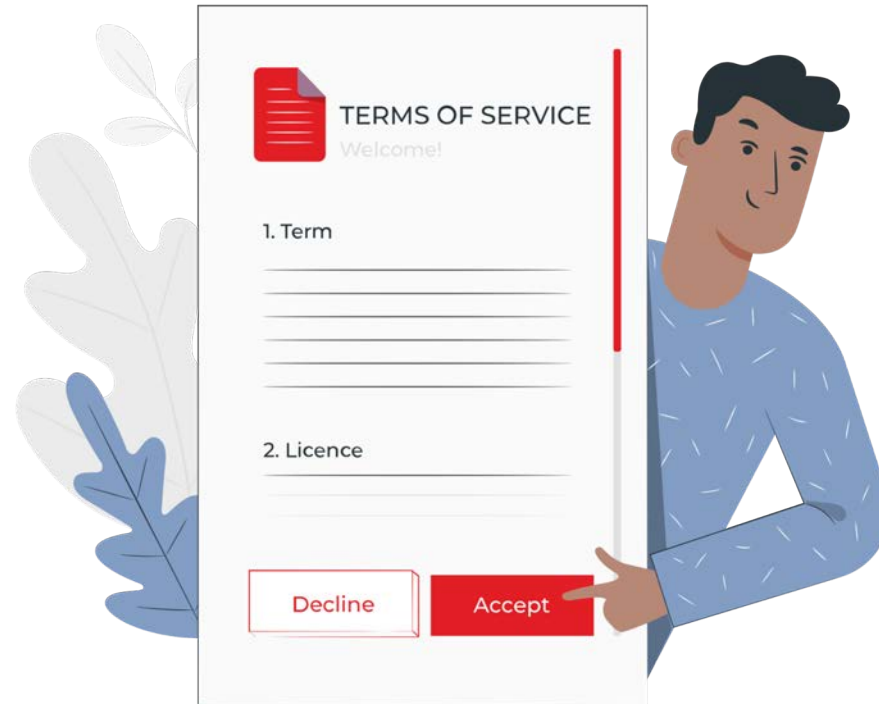


# Support Service - Helpline





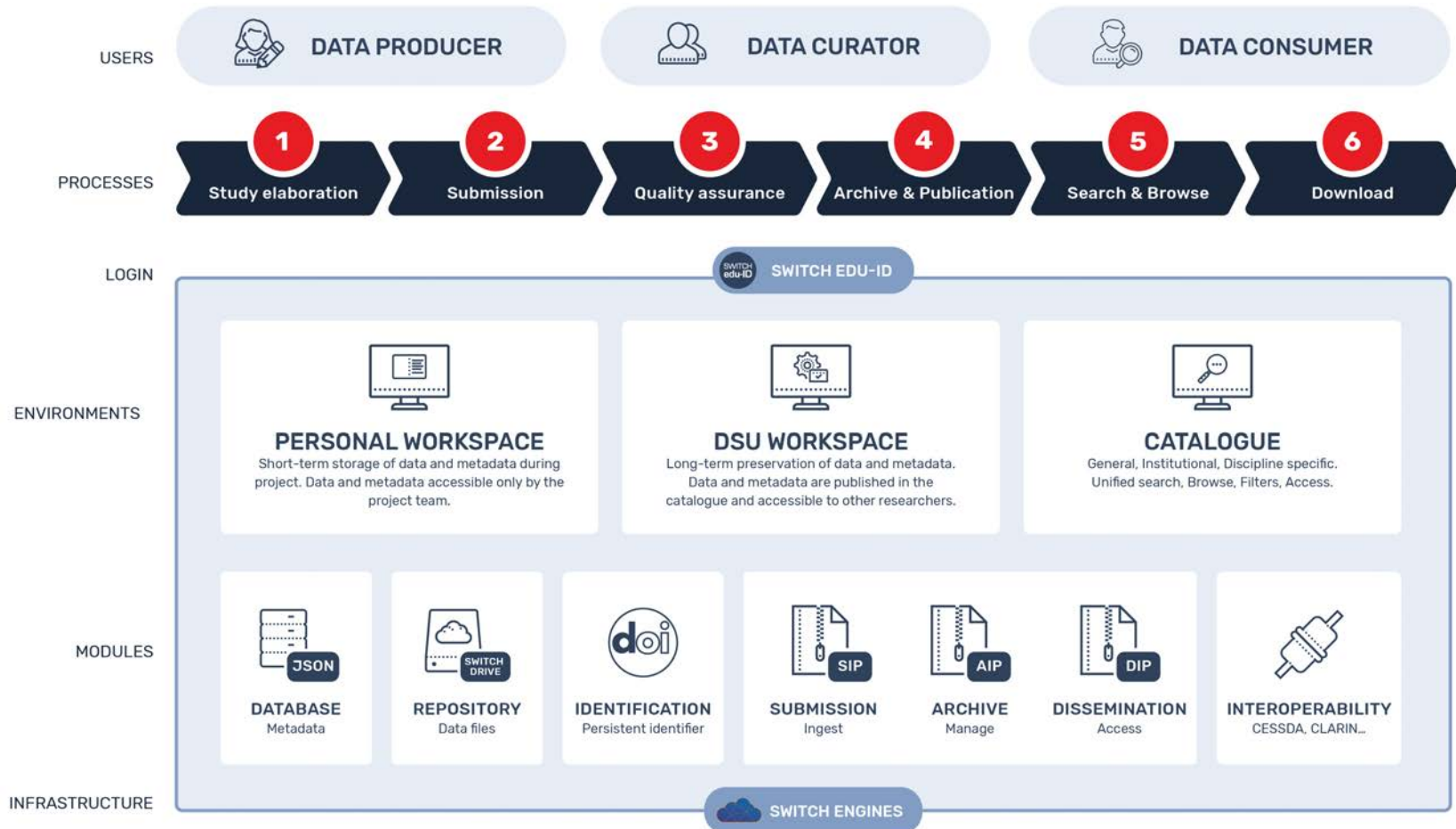
# Support Policies



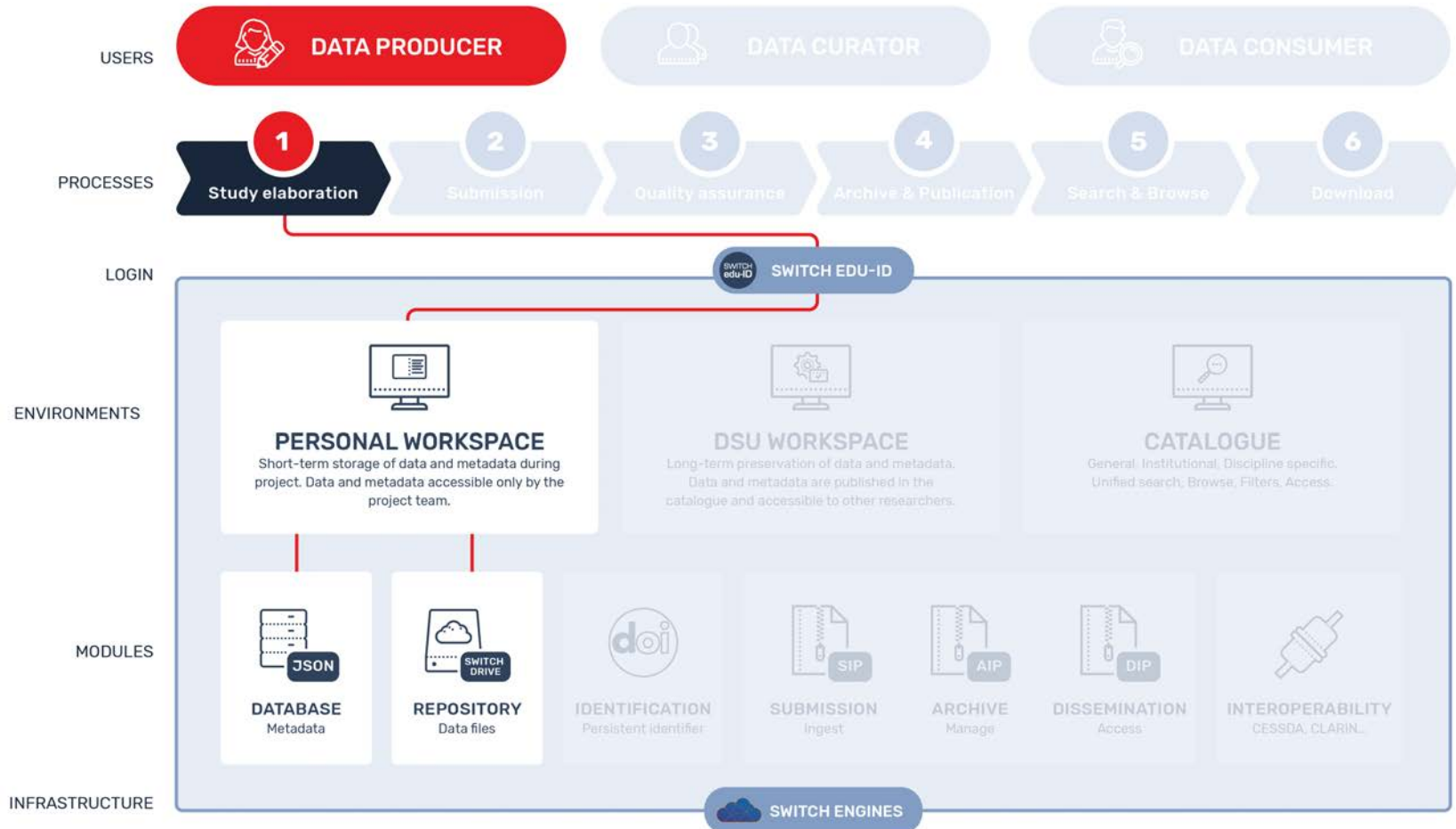
# Community-building



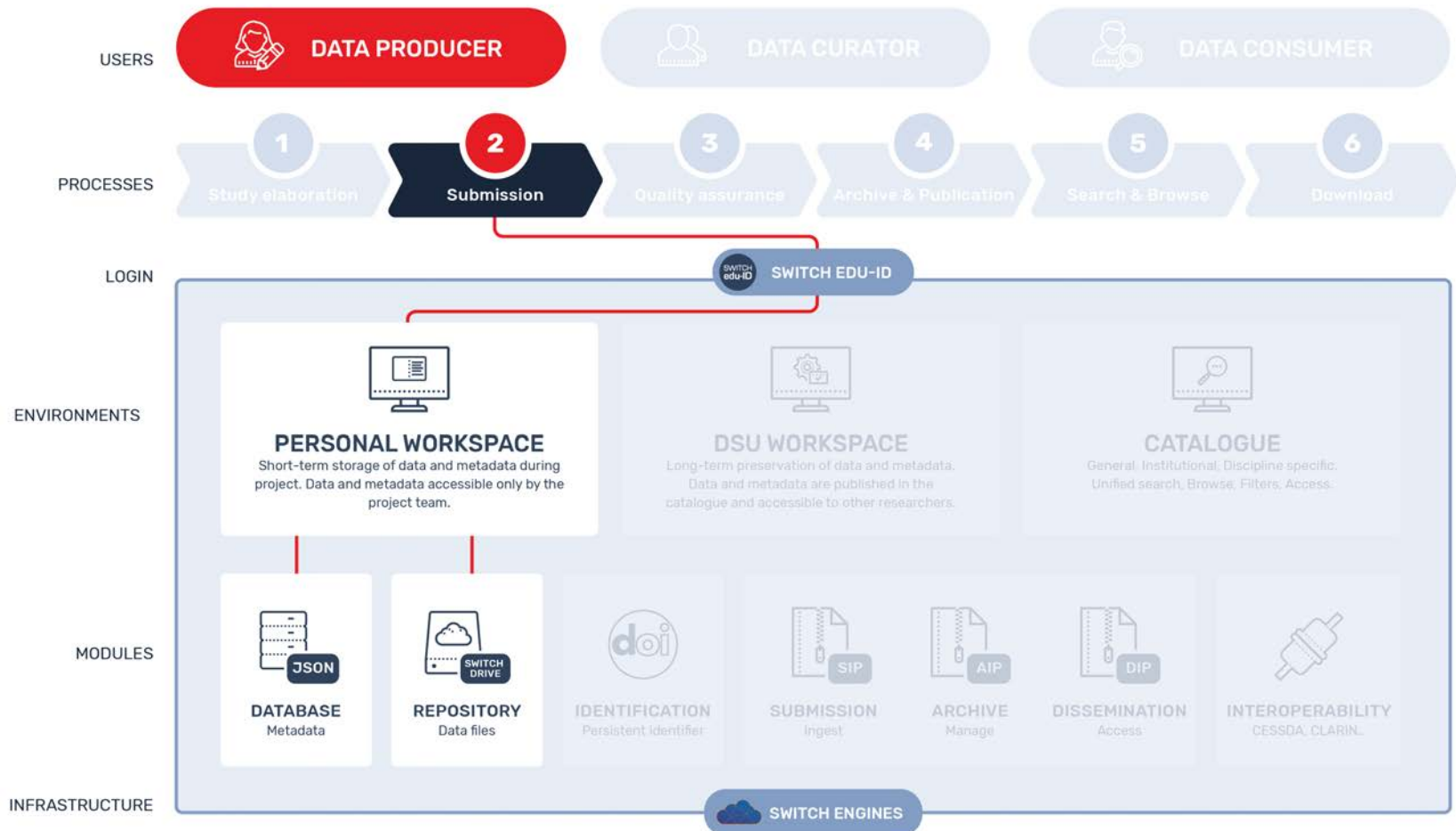
# Workflow



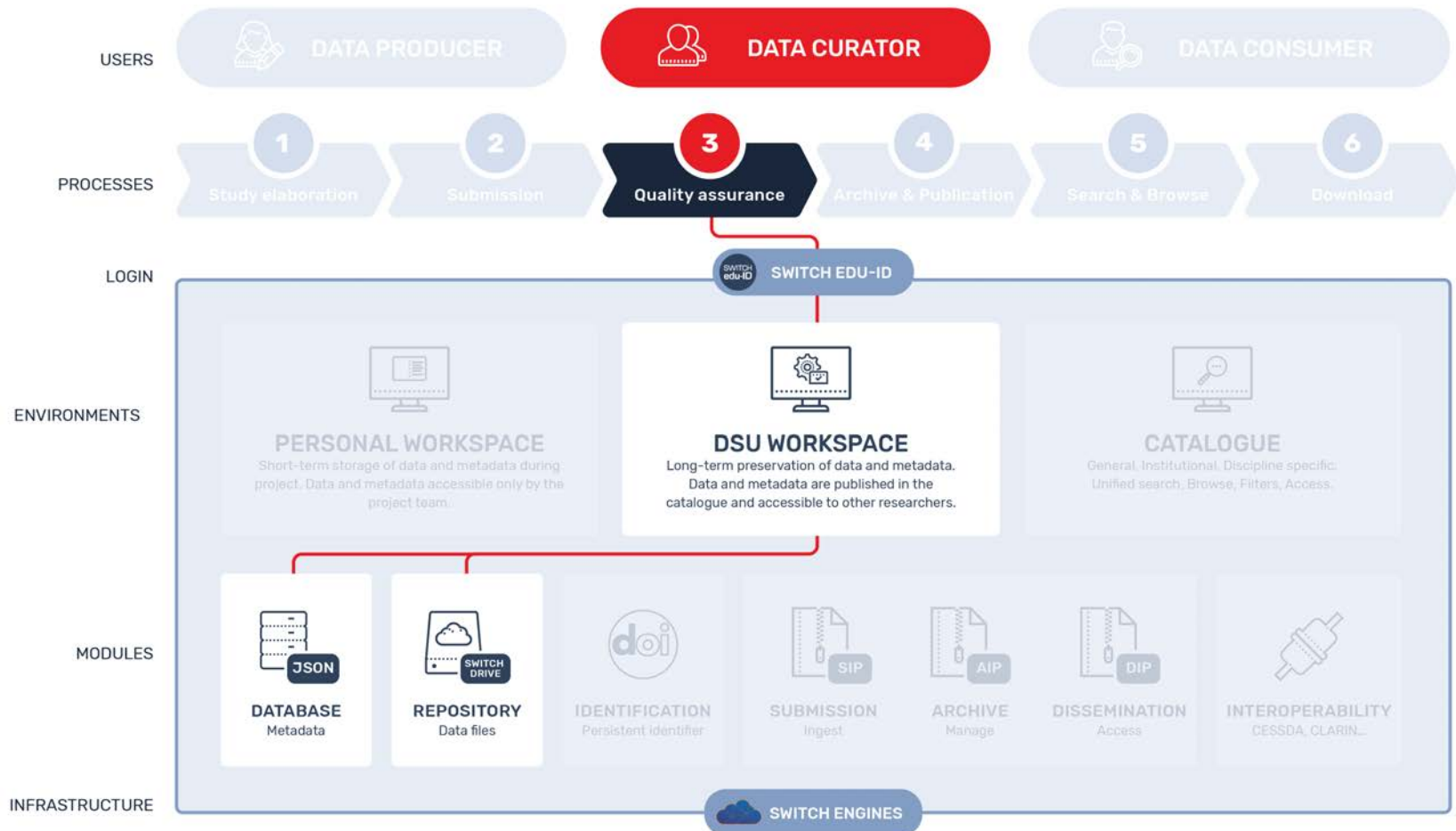
# Workflow



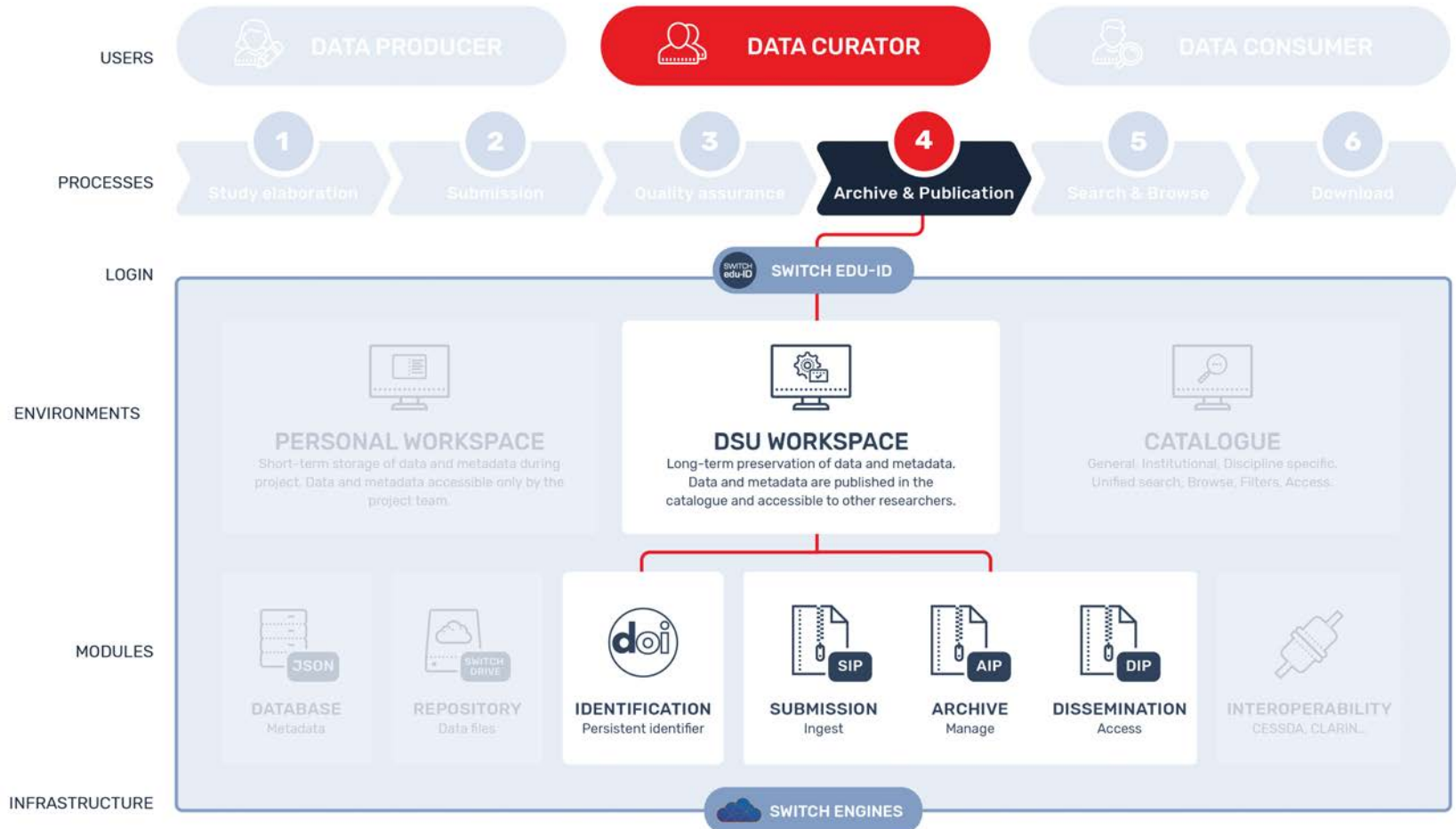
# Workflow



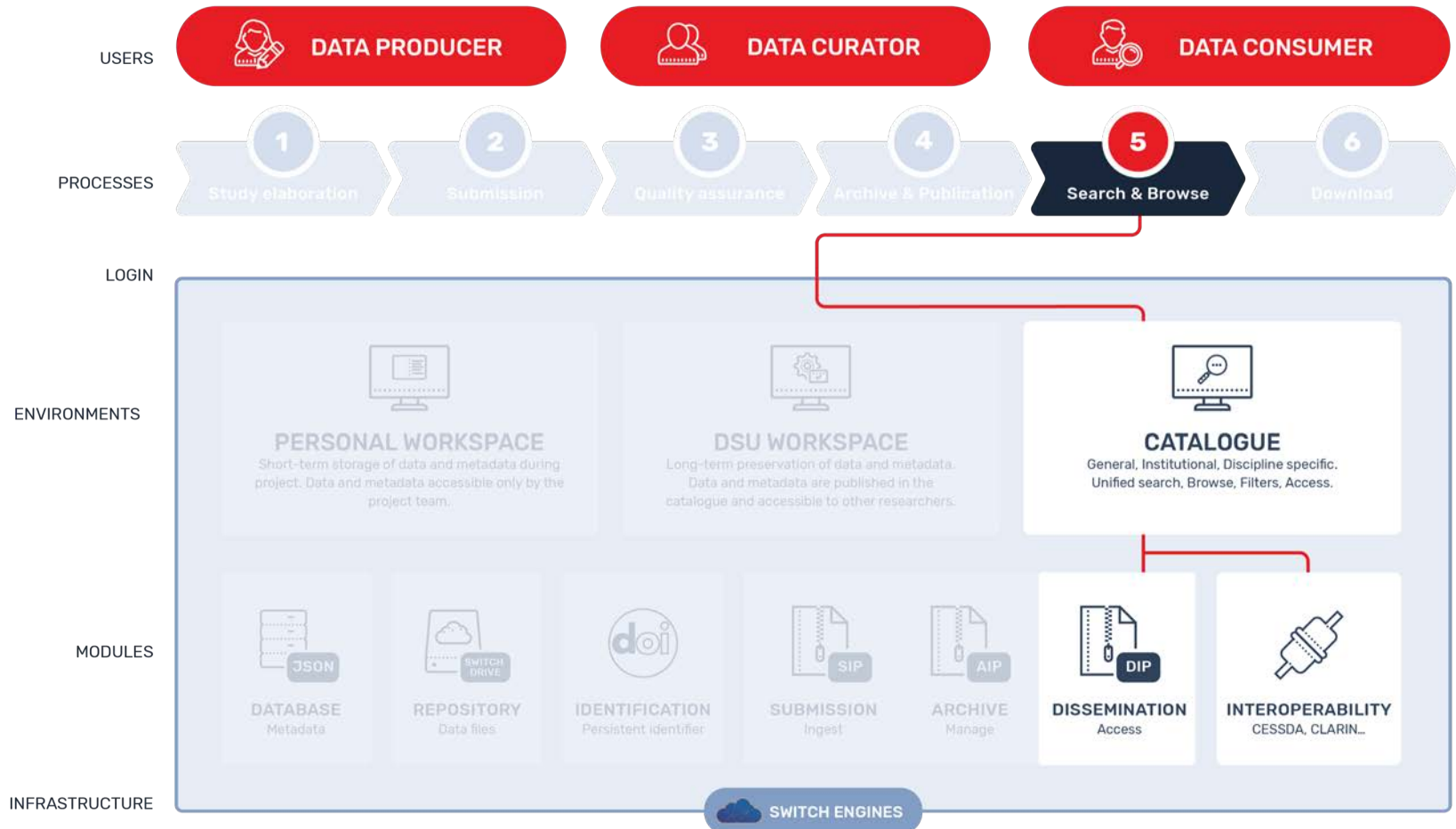
# Workflow



# Workflow

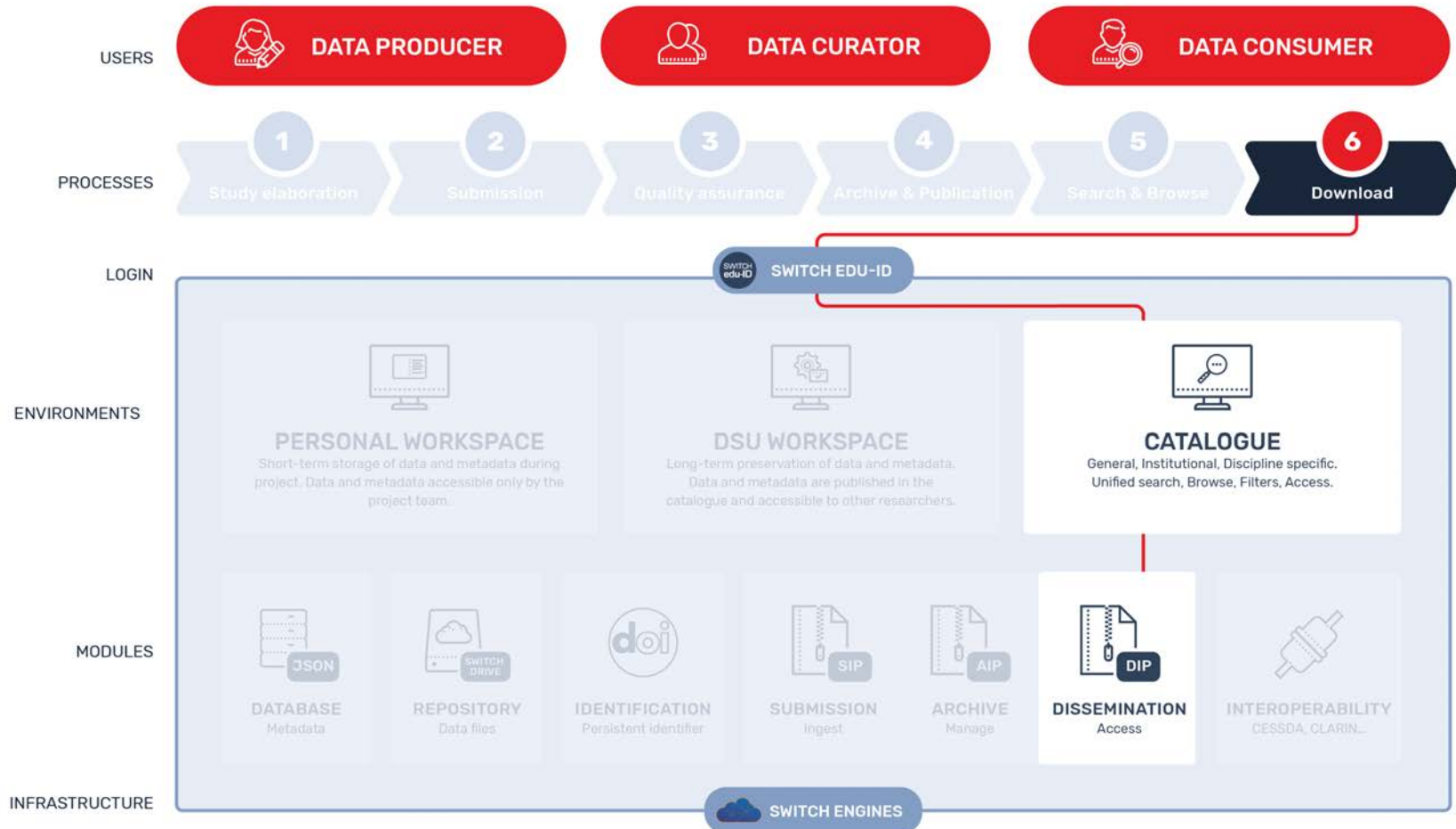


# Workflow





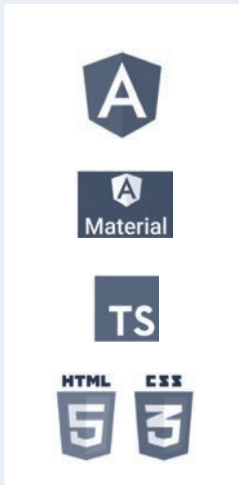
# Workflow



# Technology Stack



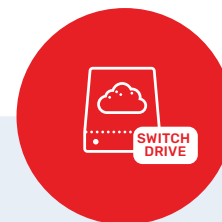
FRONT-END



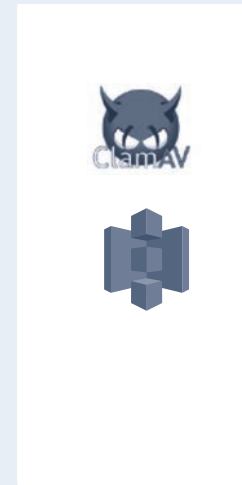
BACK-END



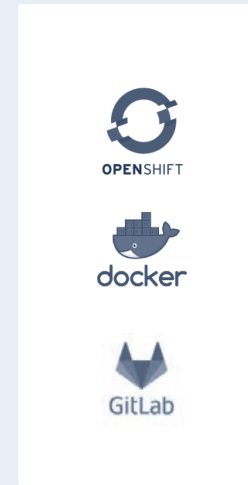
METADATA



DATA



INFRASTRUCTURE



# Sneak Preview

The screenshot shows the SWISSUbase website interface. At the top left is the SWISSUbase logo. To its right is a 'Catalogue' link. Further right are language selection buttons for EN, DE, and FR, along with 'Register' and 'Login' buttons. Below the navigation is a dark blue header with the text 'Find data and projects within Switzerland' and a search bar containing '17821 studies'. The main content area features a paragraph about SWISSUbase's mission, followed by four service cards: 'Explore the catalogue', 'Get data', 'Publish your study', and 'Deposit your data'. Each card includes an icon, a brief description, and a 'Read the guide' button. The footer contains 'Partnerships' with logos for FORS, UNIL, Universität Zürich, and SWITCH, and 'Contact' information including address, phone number, email, and a data privacy policy link.

# Sneak Preview

The screenshot shows the SWISSbase Catalogue search results for the query 'Non-discrimination'. The interface includes a search bar, a filters sidebar, and a results table.

**SWISSbase Catalogue** EN DE FR Register Login

Catalogue // Search results

**Search** Non-discrimination

**Filters** Reset

- Only studies with dataset
- Metadata schema**
  - Humanities and Social Sci...
- Disciplines**
- Study language**
  - English
  - German
- Financed by**
- Countries**
  - Switzerland

**Results 23**

Ref.	Study title	End date	Dataset
12345	Influence sociale et discrimination: Les limites de la norme de non-discrimination	30.11.2019	1
12345	Efficiency of non-discrimination law and Enforcement against discrimination of people with HIV/AIDS at work and employment	30.11.2019	3
12345	Legal Protection Against HIV/Aids-related Discrimination in Employment. A Comparative Study of the Legal Regulation in Germany, France, Great Britain, Canada and Switzerland	30.11.2019	12
12345	Zur Situation des Personals in der schweizerischen Langzeitpflege		0
12345	Discrimination et stigmatisation des handicapés: leur impact sur les différentes sphères de la vie. Etude comparative de six groupes	30.11.2019	3
12345	Influence sociale et discrimination: Les limites de la norme de non-discrimination	30.11.2019	0
12345	Situation des femmes en Suisse	30.11.2019	3
12345	Migration Governance through Trade Mobilities		2
12345	The Adoption, Implementation and Sustainability of Minority Protection Rules in the Context of EU Conditionality - A Comparative Analysis of Ten New Member States in Central and Eastern Europe	30.11.2019	2
12345	Signaling Trustworthiness in Laboratory and Field Experiments	30.11.2019	3

Row per page: 10 1-10 of 23 studies

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# Sneak Preview

The screenshot shows the SWISSbase interface for a study overview. At the top, there is a navigation bar with the SWISSbase logo, a 'Catalogue' link, and language options (EN, DE, FR) along with 'Register' and 'Login' buttons. Below this, a dark blue header contains the study title 'Efficiency of non-discrimination law and Enforcement against discrimination of people with HIV/AIDS at work and employment' and the reference number 'Ref. 12345'. A left sidebar lists navigation options: 'Study overview' (selected), 'General description', 'Study type', 'Publications', 'Archiving', 'Method X', 'All datasets', and 'All files'. The main content area is titled 'Study overview' and includes the following sections: 'Humanities and Social Sciences / UZH, University of Zurich', 'Study title' (with language tabs EN, DE, FR), 'Study language' (English), 'Institutions' (listing the University of Lausanne and the University of Zurich), 'Authors' (Stefan Buerli), 'Former collaborators' (a list of names), 'Main disciplines' (Art studies, musicology, theatre and film studies, architecture; Psychology, educational studies; Engineering studies), and a table with 'State' (Finished), 'Start Date' (01.09.1996), and 'End Date' (01.09.2000).

SWISSbase Catalogue EN DE FR Register Login

Catalogue // Study 12345 [Back to search results](#)

**Efficiency of non-discrimination law and Enforcement against discrimination of people with HIV/AIDS at work and employment** Ref. 12345

**Study overview**

Humanities and Social Sciences / UZH, University of Zurich

**Study title**

EN DE FR

Efficiency of non-discrimination law and Enforcement against discrimination of people with HIV/AIDS at work and employment

**Study language**

English

**Institutions**

(a) [Université de Lausanne, Institut des sciences sociales et pédagogiques](#)  
ISSP, Anthropole, 1015 Lausanne

(b) [University of Zurich](#)  
HRM, Plattenstrasse 14, 8032 Zürich

**Authors**

[Stefan Buerli](#) / Principal Investigator (a)

**Former collaborators**

[Wonka Willy](#) (a) / [Donovan Fitzsimons](#) (a) / [Tonia Luft](#) / [Cedrick Thorp](#) (b) / [Jami Ivy](#) (b) / [Frederick Smelcer](#) (a) / [Alonso Oswalt](#) (a) / [Lala Iniguez](#) / [Floy Misecarver](#) (b) / [Therese Thetford](#) / [Sparkle Vickary](#) (b) / [Yi Dewitt](#) (b)

**Main disciplines**

Art studies, musicology, theatre and film studies, architecture Psychology, educational studies

Engineering studies

State	Start Date	End Date
Finished	📅 01.09.1996	📅 01.09.2000

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# Sneak Preview

The screenshot displays the 'My studies' page on the SWISSbase website. At the top, there is a navigation bar with 'Catalogue', 'My studies' (underlined), and 'Downloads'. The user is logged in as 'Dimitris Stoja', with language options for EN, DE, and FR. A dropdown menu for the user profile shows 'Researcher Dimitris Stoja', 'My account', and a 'Logout' button. The main content area is titled 'My studies' and contains a sidebar with filters for 'All studies', 'Editing', 'Submitted', and 'Published'. The main table, 'All studies', lists five entries with columns for reference number, study title, role, status, progress, end date, and dataset size. The first entry is in German, while the others are in Latin. The status column uses colored circles to indicate the study's state: blue for 'Editing', orange for 'Submitted', and green for 'Published'. At the bottom right, there is a pagination control showing 'Results per page: 5' and '1-5 of 8'. A red alert box with a close button is visible in the bottom right corner.

SWISSbase

Catalogue My studies Downloads

EN DE FR

My studies

Researcher  
Dimitris Stoja

My account

Logout

My studies

All studies

Editing

Submitted

Published

All studies

Search\_

Need help? Create new study

Ref.	Study title	Role	Status	Progress	End date	Dataset
12345	Auswirkungen der Flexibilisierung von Arbeitszeiten und der Technisierung von Haushalten auf Freizeitsnutzung, Alltagsorganisation	Scientific collaborator	Editing	Planned	30.11.2019	3
12345	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor.	Scientific collaborator	Editing	Planned	30.11.2019	3
12345	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor	Scientific collaborator	Submitted	Planned	30.11.2019	3
12345	Lorem ipsum dolor sit amet	Collaborator	Published	Finished	30.11.2019	3
12345	Lorem ipsum dolor sit amet	Collaborator	Published	Finished	30.11.2019	3

Results per page: 5 1-5 of 8

I'm a negative alert lorem ipsum component example!

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# Sneak Preview

The screenshot shows the 'Create new study' interface on the SWISSbase website. At the top, the SWISSbase logo is on the left, and navigation links for 'Catalogue', 'My studies' (which is underlined), and 'Downloads' are in the center. On the right, there are language selection buttons for 'EN', 'DE', and 'FR', along with a user profile icon. Below the navigation bar, a dark blue header contains the text 'My studies // Create new study' and a larger 'Create new study' title. On the left side of the main content area, there are two links: 'Need some help?' and 'How to create a study?'. The main form is titled 'New study' and includes a 'Cancel' button and a 'Create' button. The form fields are: 'Schema discipline' with a dropdown menu showing 'Humanities and Social Sciences' (selected), 'Mathematics, Natural and Engineering Sciences', and 'Biology and Medicine'; 'Qualitative assurance institution' with radio buttons for 'FORS, Swiss Centre of Expertise in the Social Sciences', 'UNIL, University of Lausanne', and 'UZH, University of Zurich' (selected); 'Study title' with a text input field containing 'Effects of the flexibilisation of working hours and the mechanisation of households on leisure use, everyday organisation and social relations' and a character count '142/500'; and 'Study language' with a dropdown menu set to 'English'. A tooltip is visible over the 'Mathematics, Natural and Engineering Sciences' option, containing the text: 'Includes the study of such topics as quantity, algebra, geometry, biology, chemistry, physics, astronomy, earth science, materials sciences, computer sciences, electronics and systems engineering.' At the bottom of the page, there is a small copyright notice: 'Copyright ©2020 SWISSbase. Powered by EORS.'

# Sneak Preview

The screenshot shows the SWISSbase interface for a study. At the top, there is a navigation bar with 'Catalogue', 'My studies', and 'Downloads'. The study title is 'Auswirkungen der Flexibilisierung von Arbeitszeiten und der Technisierung von Haushalten auf Freizeitsnutzung, Alltagsorganisation'. The study overview section includes details about the institutions (University of Lausanne and University of Zurich), the principal investigator (Stefan Buerli), former collaborators, and main disciplines (Art studies, psychology, and engineering studies). A success alert is visible at the bottom right.

**SWISSbase** Catalogue My studies Downloads EN DE FR

My studies // Study 12345

Auswirkungen der Flexibilisierung von Arbeitszeiten und der Technisierung von Haushalten auf Freizeitsnutzung, Alltagsorganisation Ref. 12345 Editing Submit study

**Study overview** Edit

Humanities and Social Sciences / UZH, University of Zurich

**Study title** EN DE FR

Effects of the flexibilisation of working hours and the mechanisation of households on leisure use, everyday organisation and social relations

**Study language** English

**Institutions**

- > [Université de Lausanne, Institut des sciences sociales et pédagogiques](#)  
Université de Lausanne, Institut des sciences sociales  
ISSP, Anthropole, 1015 Lausanne
- > [University of Zurich](#)  
HRM, Plattenstrasse 14, 8032 Zürich

**Authors**

- > [Stefan Buerli](#) / Principal investigator  
Scientific collaborator

**Former collaborators**

[Monika Willy](#) / [Donovan Fitzsimons](#) / [Tonia Luft](#) / [Cedrick Thorp](#) / [Jami Ivy](#) / [Frederick Smelcer](#) / [Alonso Oswald](#) / [Lala Iniguez](#) / [Ploy Misecarver](#) / [Therese Thefford](#) / [Sparkle Vickery](#) / [Yi Dewitt](#)

**Main disciplines**

Art studies, musicology, theatre and film studies, architecture Psychology, educational studies Engineering studies

**State** Finished

**Start Date** 01.09.1996

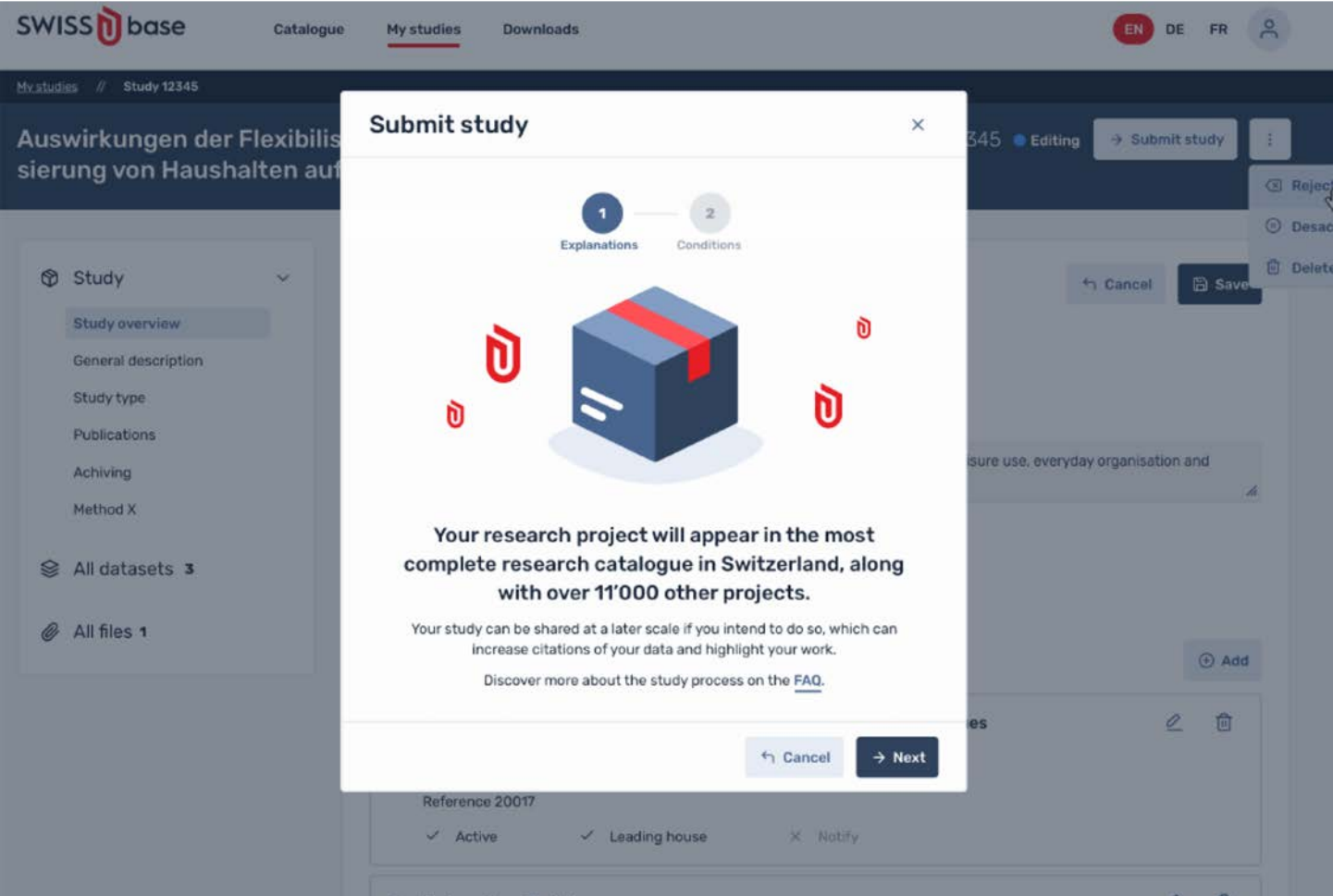
**End Date** 01.09.2000

I'm a success alert lorem ipsum component example X

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# Sneak Preview



# Sneak Preview

The screenshot shows the 'My studies' page in the SWISSbase application. At the top, there is a navigation bar with 'Catalogue', 'My studies' (underlined), and 'Downloads'. On the right, there are language options 'EN', 'DE', 'FR' and a user profile icon. Below the navigation bar, a dark blue header contains the study title 'Auswirkungen der Flexibilisierung von Arbeitszeiten und der Technisierung von Haushalten auf Freizeit- nutzung, Alltagsorganisation', the reference number 'Ref. 12345', a status indicator 'Editing', and a 'Submit study' button. A left sidebar contains a 'Study' menu with a right arrow, 'All datasets 5', and 'All files 1'. The main content area is titled 'All datasets' and includes a 'Need help?' link and an 'Add dataset' button. Below this is a table with columns for 'Ref.', 'Dataset title', 'Status', and 'Version'. The table lists eight datasets with various statuses like 'Editing', 'In review', 'Deposited', 'Not archived', 'Published', and 'Withdraw'. At the bottom right of the table area, there is a 'Results per page' dropdown set to '5' and a pagination indicator '1-5 of 8'.

SWISSbase

Catalogue My studies Downloads

EN DE FR

My studies // Study 12345

Auswirkungen der Flexibilisierung von Arbeitszeiten und der Technisierung von Haushalten auf Freizeit- nutzung, Alltagsorganisation Ref. 12345 Editing Submit study

Study >

All datasets 5

All files 1

### All datasets

Need help? Add dataset

Ref.	Dataset title	Status	Version
287	Opinion on Switzerland's security and defence policy I	Editing	1.0.0
334	Meinungsbild zur Sicherheits und Verteidigungspolitik der Schweiz I - 1999 - long title example	In review	1.0.0
643	Meinungsbild zur Sicherheits und Verteidigungspolitik der Schweiz	Deposited	2.0.0
824	Meinungsbild zur Sicherheits und Verteidigungspolitik der Schweiz	Not archived	1.0.0
134	Meinungsbild zur Sicherheits und Verteidigungspolitik der Schweiz	Published	1.2.0
092	Meinungsbild zur Sicherheits und Verteidigungspolitik der Schweiz	Withdraw	1.0.0

Results per page: 5 1-5 of 8

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# Sneak Preview

SWISSbase Catalogue My studies Downloads EN DE FR

My studies // Study.12345 // Dataset.287 // File.123

Lorem ipsum file name Ref. 123

Document file  
Description  
Physical file

**Physical file** Cancel Save

Upload physical file

Drag and Drop here  
or  
[Browse files](#)

Accepted files: .abc, .def, .ghi, .jkl

- ✓ IMG\_20200220\_12334.png (31 Mo)
- ✗ IMG12334.app (321 Mo) The file format is not accepted.

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# Sneak Preview

The screenshot displays the SWISSbase web interface. At the top, the logo 'SWISSbase' is on the left, and navigation links 'Catalogue', 'My studies', and 'Downloads' are in the center. On the right, there are language options 'EN', 'DE', 'FR' and a user profile icon. Below the navigation bar, a breadcrumb trail reads 'My studies // Study 12345 // Dataset 287 // File 123'. The main header area contains the text 'Corpus example lorem ipsum file name' and 'Ref. 123' with a dropdown menu icon. A left sidebar shows a 'Collection file' dropdown menu with options for 'Description', 'Collection parts' (which is selected), and 'Physical file'. The main content area is titled 'Collection parts' and features an illustration of a blue folder with several papers and red SWISSbase logos. Below the illustration, there is a bold heading: 'Annotate your collection to lorem ipsum dolor sit amet, consectetur adipiscing elit.' followed by a paragraph of Lorem Ipsum text. Underneath, a section titled 'The collection parts' lists various annotation types: 'Annotation:', 'Audio:', 'Image:', 'Software:', and 'Video:', each followed by a short Lorem Ipsum description. At the bottom of this section, there is a link: 'Discover more on the [FAQ](#).' The footer of the page contains the text 'Copyright ©2020 SWISSbase. Powered by FDSS.'

# Sneak Preview

The screenshot displays the SWISSbase web interface for managing a collection. At the top, the SWISSbase logo and navigation links (Catalogue, My studies, Downloads) are visible. The page title is 'Corpus example lorem ipsum file name' with a reference ID 'Ref. 123'. A sidebar on the left shows 'Collection file' with options for 'Description', 'Collection parts', and 'Physical file'. The main area is titled 'Collection parts' and contains a table of collection items. A 'Add part' dropdown menu is open, showing options for Annotation, Audio, Image, Software, Video, and Language.

Folder1/Subfolder3	
Add some collection parts and indicate directly their location to render the list below.	
Folder1/Subfolder3	
Add part	
Annotation	
Audio	
Image	
Software	
Video	
Language	

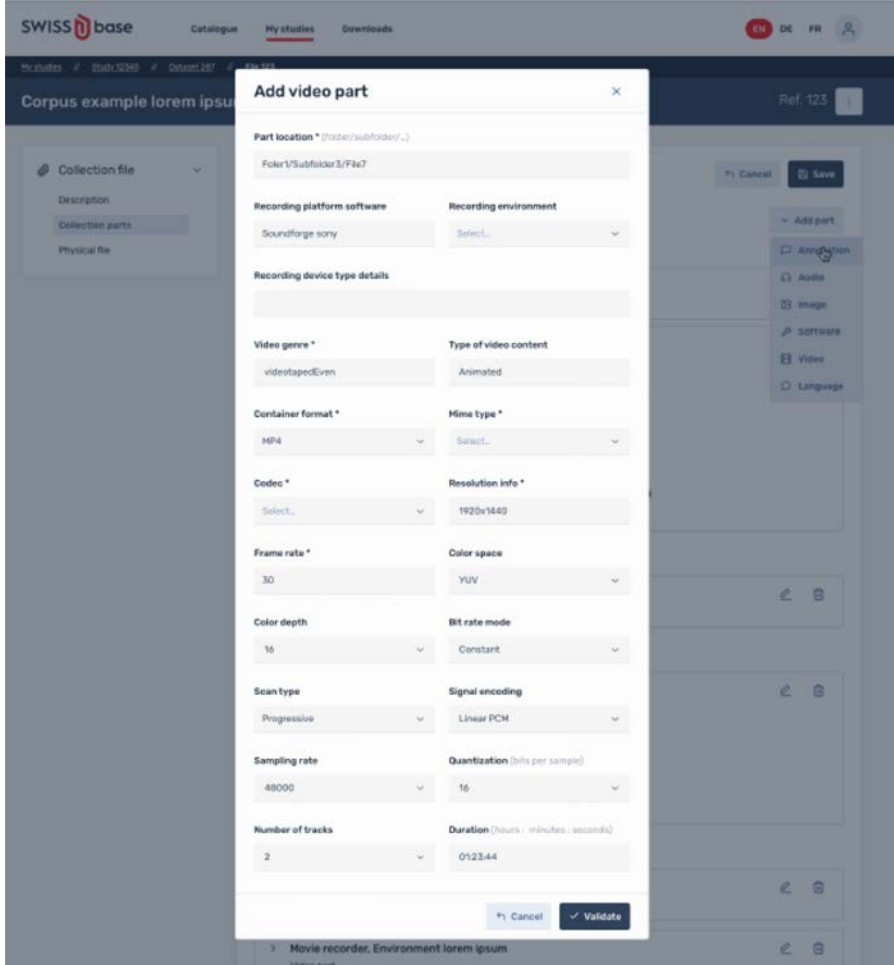
Folder1/Folder3	
Lemmatization, Manual Annotation part	
Segmentation, Manual Annotation part	
Annotation files Internal	Annotation format -
Meta type XML	Controlled vocab STTS
Controlled vocab extension -	Segmentation level Phoneme

Folder1/Folder3/File7	
Song, Presentation Video part	

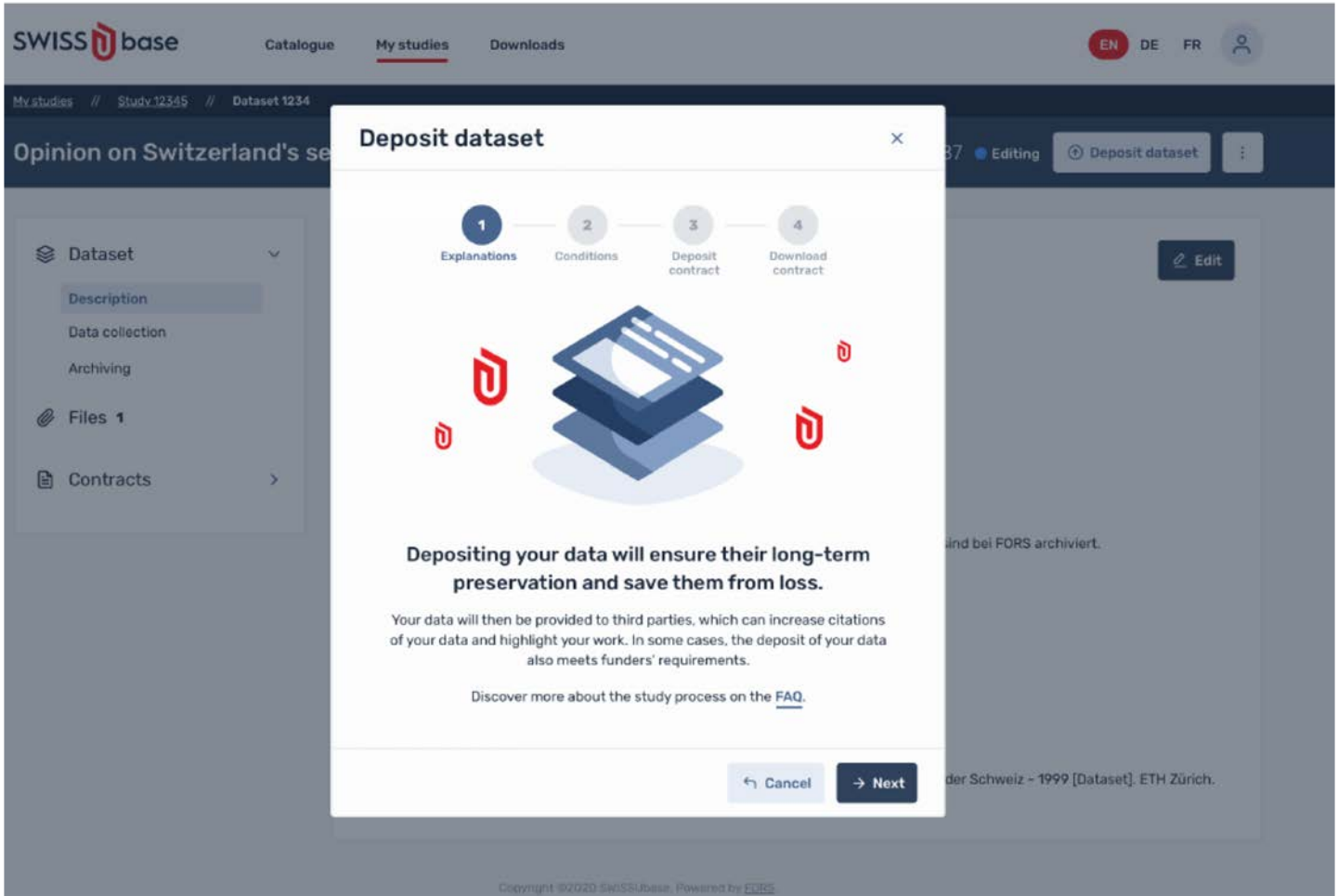
Folder1/Folder4	
Praat Scripting, Audio capture Annotation part	
Platform used Mac OS X 10.2	Platform used Mac OS X 10.2
Input encoding UTF	Output format Textgrid

Folder1/Folder6	
Soundforge sony Audio part	
Movie recorder, Environment lorem ipsum Video part	
Movie recorder, Environment lorem ipsum Image part	
Linguinity type example, German Language part	

# Sneak Preview



# Sneak Preview



# Questions





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