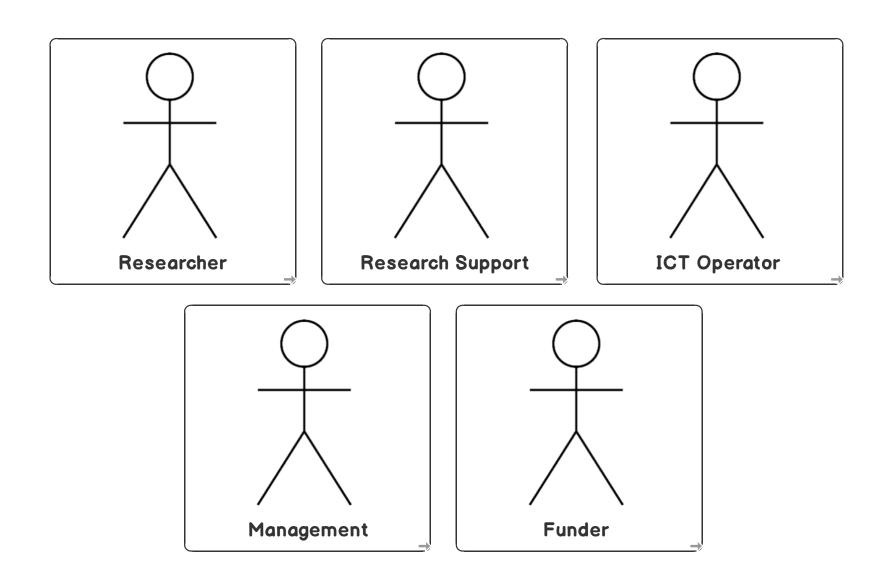
# Machine-actionable Data Management Planning

Please select a stakeholder to launch the associated mockup!







Q https://dmap.tuwien.ac.at



DMap,



# Welcome to DMap

the Machine-actionable Data Management planning application

DMap assists you in creating Data Management Plans (DMPs) for your research projects. lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est

Get started

the Machine-actionable Data Management planning application

Sign In DMap assists you in creating lorem ipsum dolor sit amet, co with your institutional account magna aliqua. Ut enim ad mini ut aliquip ex ea commodo consequat. Duis aut pariatur. Excepteur sint occae runt mollit anim id est Sign In with your ORCID iD account Create or Connect your ORCID iD

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Anttps://iu.zid.tuwien.ac.at/AuthServ.authenticate?app=XX







TU Wien > TU.it > Standardsoftware > Dateninfrastruktur

#### **TU Intranet Portal**



#### **Authentifizierung**

Das Authentifizierungsportal erlaubt die gleichzeitige Anmeldung zu einer Reihe von Diensten (→ Single Sign-On), sowie die gleichzeitige Abmeldung von den geöffneten Anwendungen.

Als Benutzername kann Folgendes verwendet werden:

- Der Username eines bestehenden → Accounts. Enthält dieser ein "@", ist nur der Teil vor diesem Zeichen anzugeben.
- Die **generische E-Mail-Adresse** der Form → Vorname.[Mittelteil.]Nachname@tuwien.ac.at. Der Teil ab dem "@" kann weggelassen werden.
- Familienname Vorname/Institutskurzzeichen (z.B. Mustermann Max/E000).

  Bei Eindeutigkeit kann der Vorname bzw. das Institutskurzzeichen entfallen. Die Schreibweise muss dem

  → Adressbuch entsprechen.
- Die Matrikelnummer ohne vorangestellten Universitätsbuchstaben.

Der zeitabhängige Schlüssel darf nur bei aktivierter → Zwei-Faktor-Authentifizierung angegeben werden.

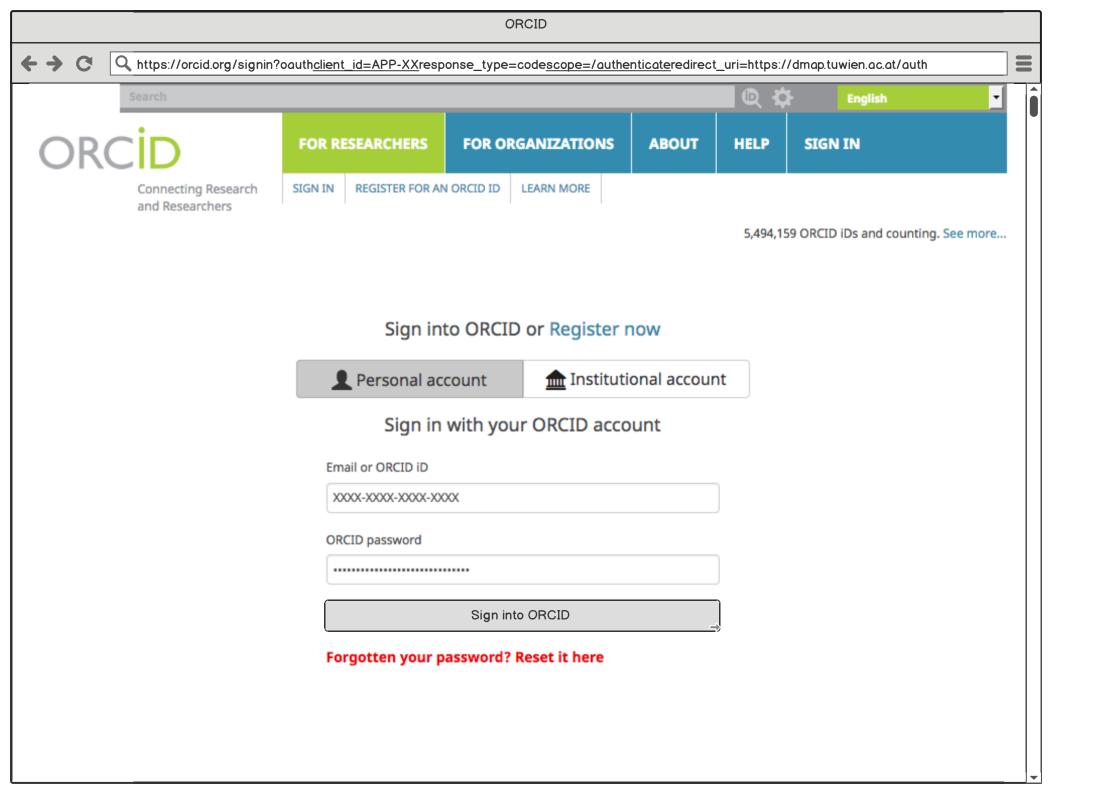
| Benutzername | johndoe  |  |  |  |  |  |
|--------------|----------|--|--|--|--|--|
| TU-Passwort  | ••••••   |  |  |  |  |  |
| Schlüssel    | optional |  |  |  |  |  |
| Reset OK_    |          |  |  |  |  |  |

Nach der Anmeldung erfolgt die Weiterleitung zur Anwendung TUWEL E-Learning-Plattform.

▶ Passwort vergessen ?

Hinweis: Das Authentifizierungsportal benutzt und benötigt Cookies.

Die TU Wien hat keine Kenntnis von und übernimmt keine Haftung für Inhalte, die von Angehörigen der TU Wien







Q https://dmap.tuwien.ac.at

 $\textbf{DMap}, \mid \underline{\text{MyDMPs}}$ 



# Create a new DMP

### MyDMPs

Q search DMPs

| Project title     | ♣ Project start ♣ | Project end \$ | Funder 💠 | Funding Status 🖨 | PI <b>♦</b>      | My Role 💠    | Created <b>\$</b> | Modified <b>\$</b> | DMP Granularity |
|-------------------|-------------------|----------------|----------|------------------|------------------|--------------|-------------------|--------------------|-----------------|
| Example Project 1 | 2018-05-23        | 2019-08-31     | FFG      | funded           | John Doe         | PI           | 2018-10-25        | 2018-11-01         | initial         |
| Example Project 2 | 2017-01-14        | 2018-12-31     | FWF      | funded           | Herbert Arnold   | Data Manager | 2017-06-02        | 2018-11-15         | detailed        |
| Example Project 3 | 2016-02-26        | 2018-03-01     | FWF      | funded           | Esther Mcgee     | Co-PI        | 2016-04-13        | 2018-03-20         | sophisticated   |
| Example Project 4 | 2018-12-01        | 2019-11-30     | ÖAW      | rejected         | Delia Wilson     | Data Manager | 2018-09-30        | 2018-10-15         | initial         |
| Example Project 5 | 2017-07-01        | 2018-12-31     | EU       | funded           | Tomas Harrington | Data Manager | 2017-11-12        | 2018-11-04         | detailed        |
| Example Project 6 | 2018-12-01        | 2021-11-30     | EU       | pending          | Julia Smith      | Co-PI        | 2018-11-01        | 2018-11-10         | initial         |
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A https://dmap.tuwien.ac.at



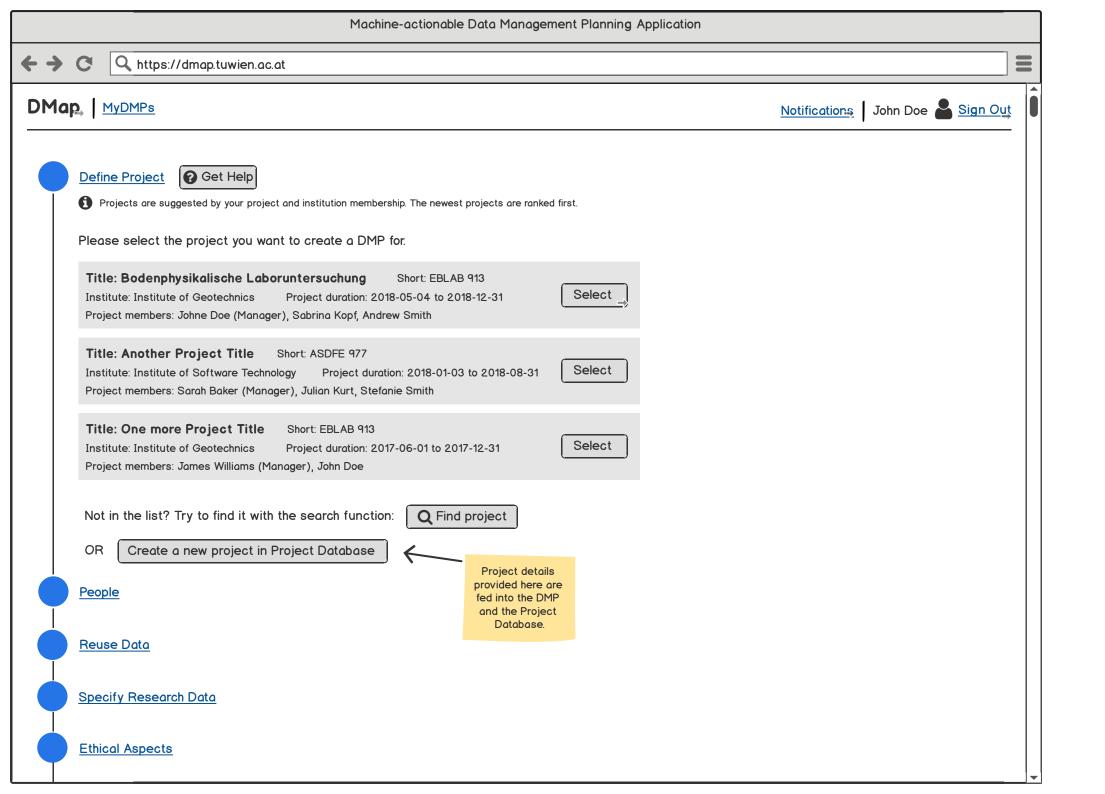
### $\textbf{DMap}, \mid \underline{\text{MyDMPs}}$

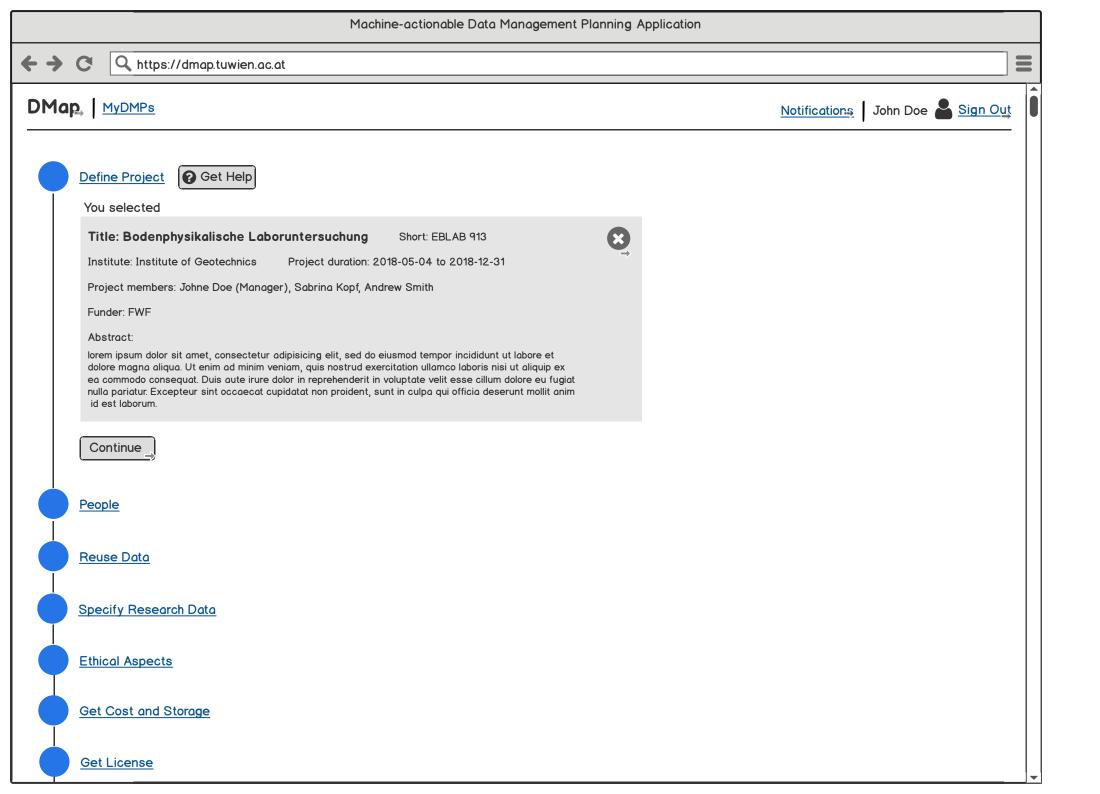


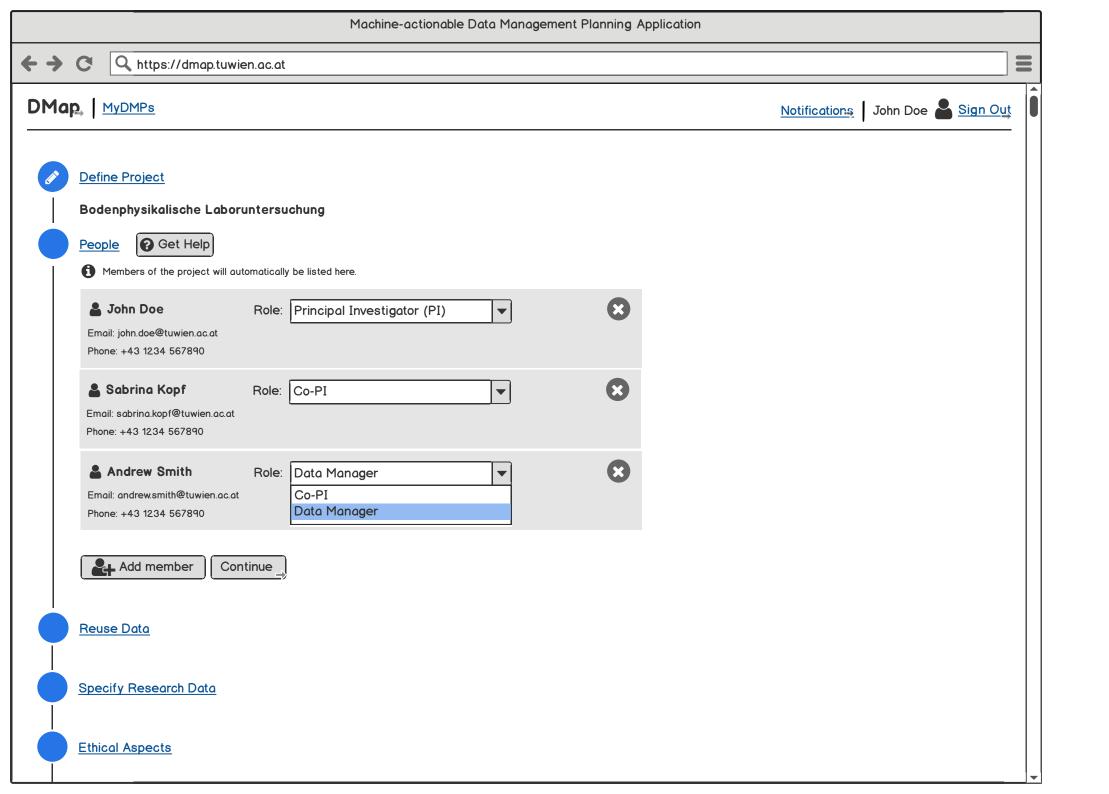
## MyDMPs

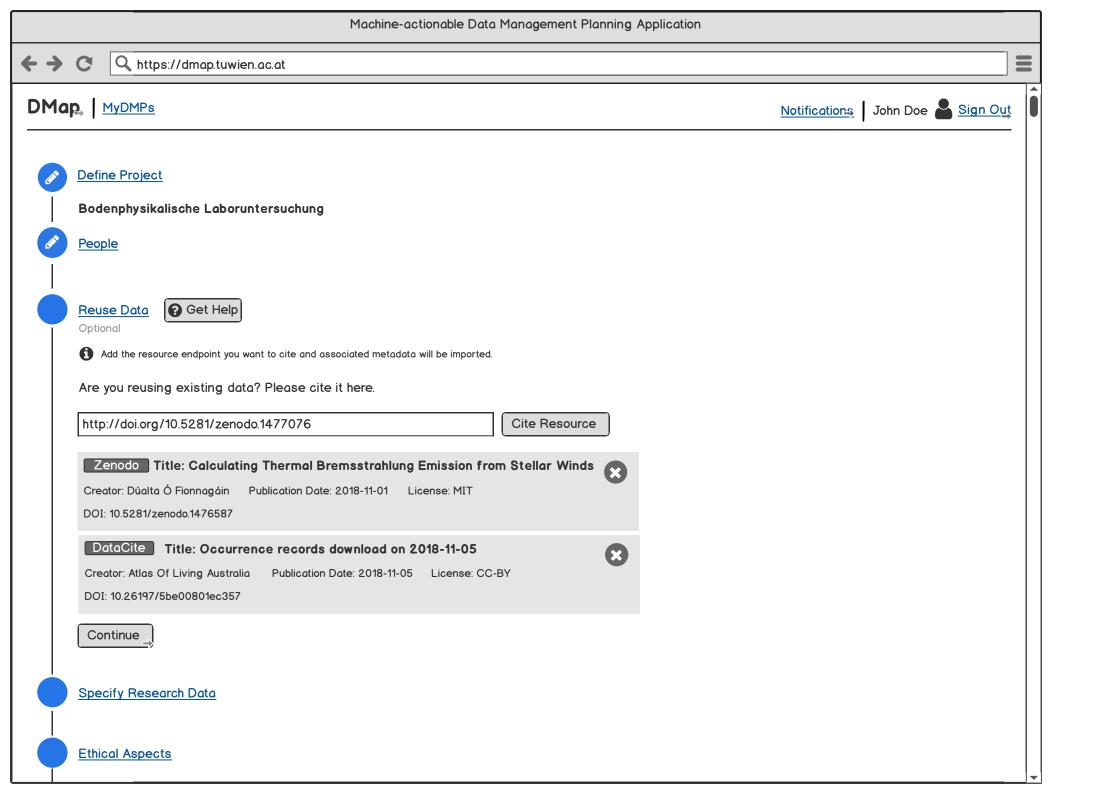
### Q search DMPs

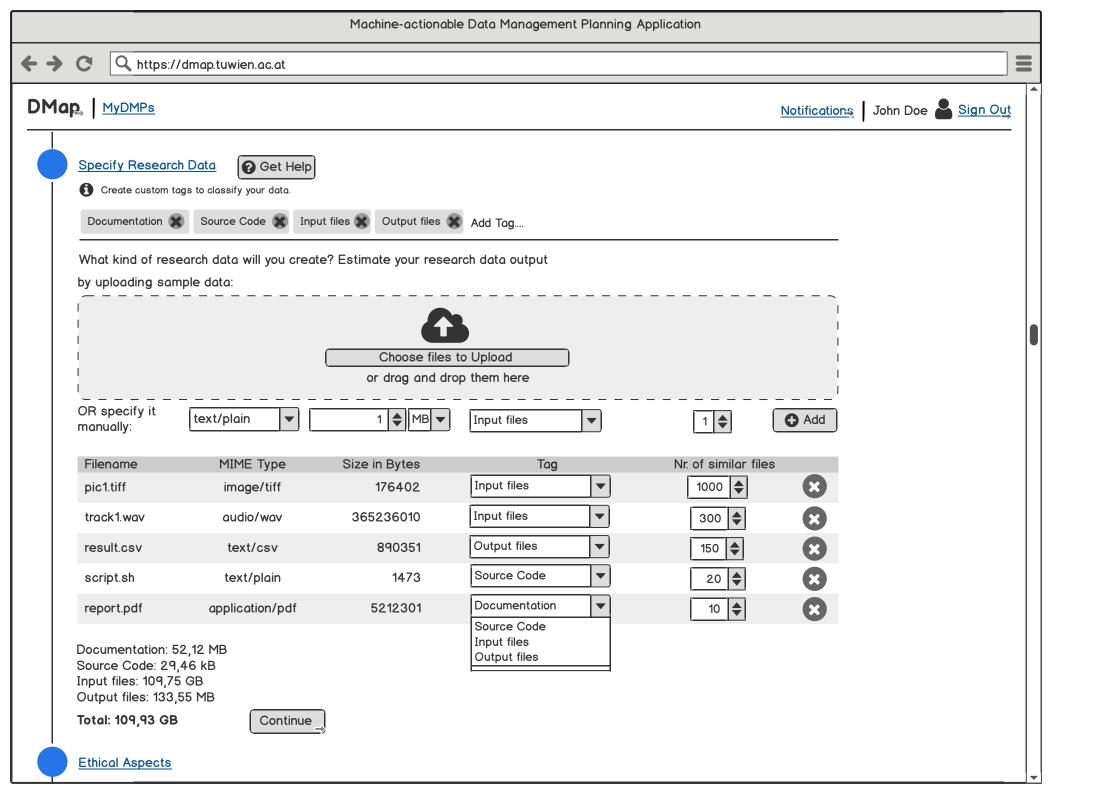
| Project title     | ♣ Project start ♣ | Project end \$ | Funder \$ | Funding Status 🖨 | PI <b>♦</b>      | My Role 💠    | Created \$ | Modified \$ | DMP Granularity |
|-------------------|-------------------|----------------|-----------|------------------|------------------|--------------|------------|-------------|-----------------|
| Example Project 1 | 2018-05-23        | 2019-08-31     | FFG       | funded           | John Doe         | PI           | 2018-10-25 | 2018-11-01  | initial         |
| Example Project 2 | 2017-01-14        | 2018-12-31     | FWF       | funded           | Herbert Arnold   | Data Manager | 2017-06-02 | 2018-11-15  | detailed        |
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| Example Project 6 | 2018-12-01        | 2021-11-30     | EU        | pending          | Julia Smith      | Co-PI        | 2018-11-01 | 2018-11-10  | initial         |
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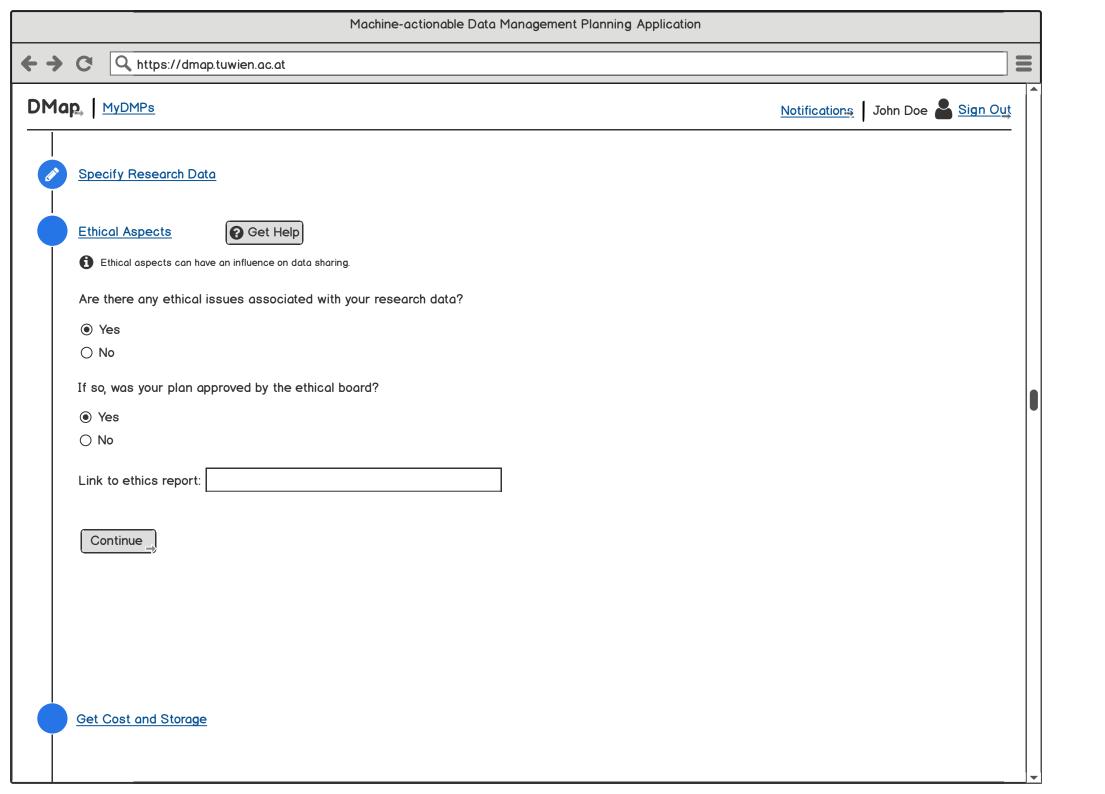


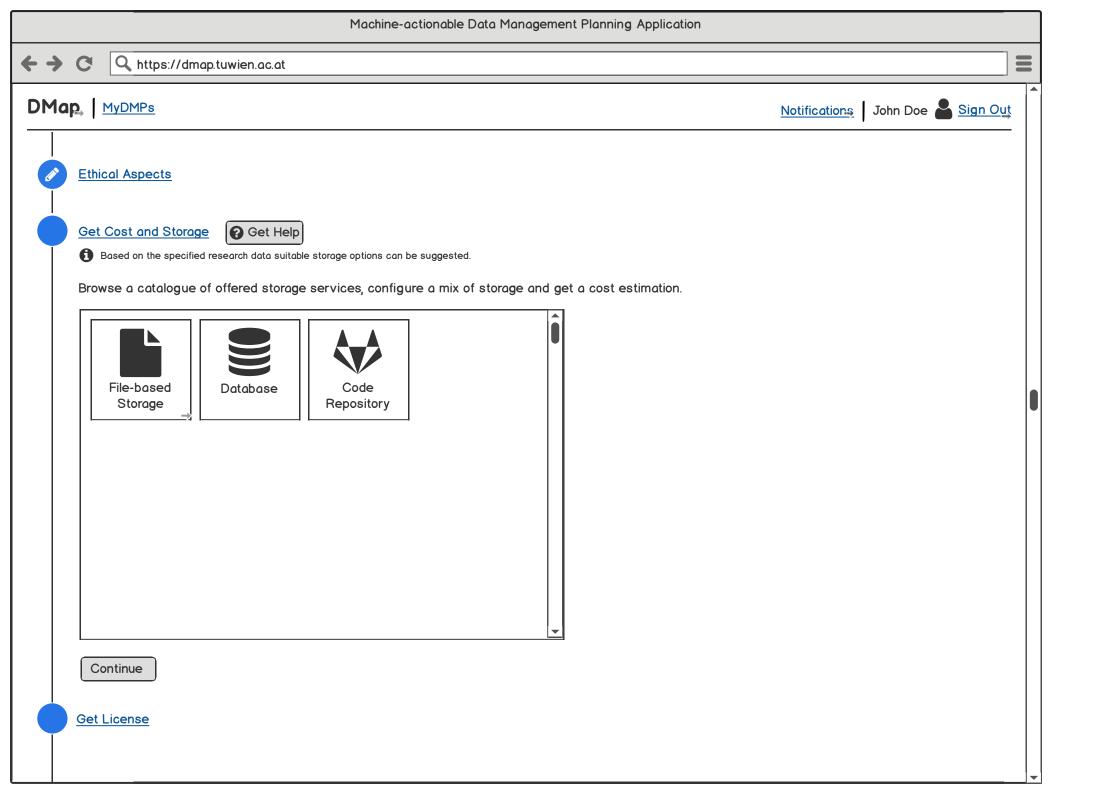


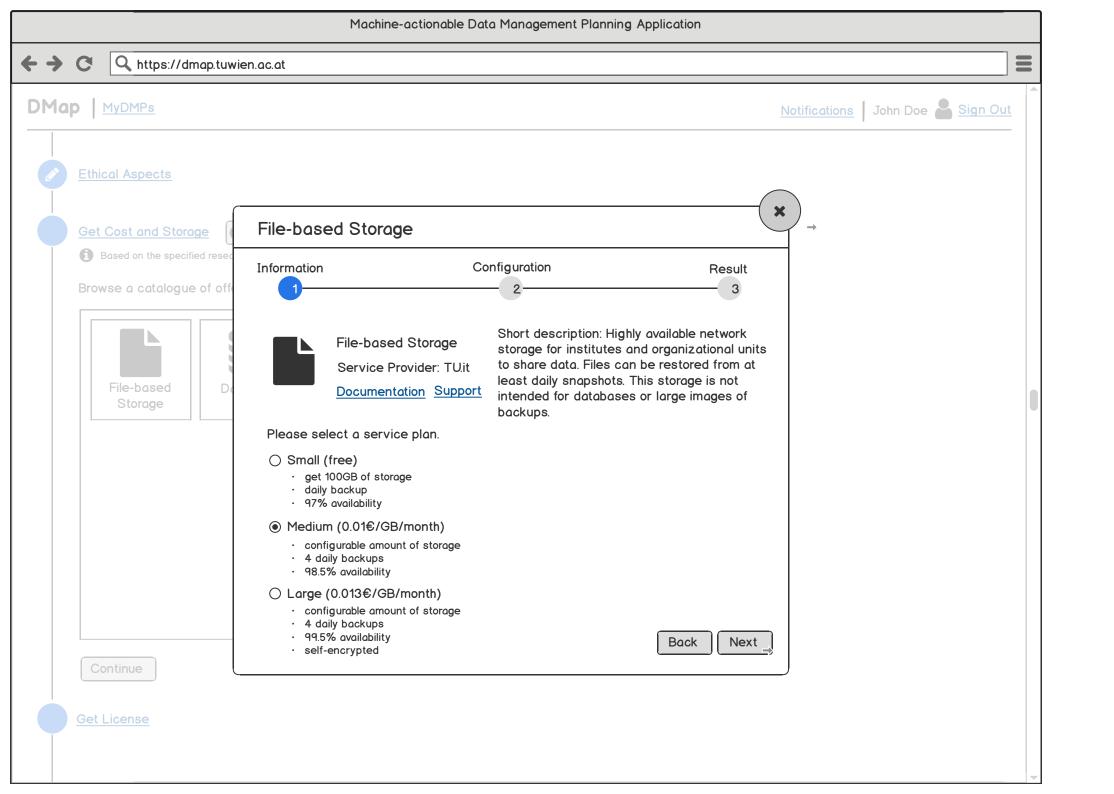


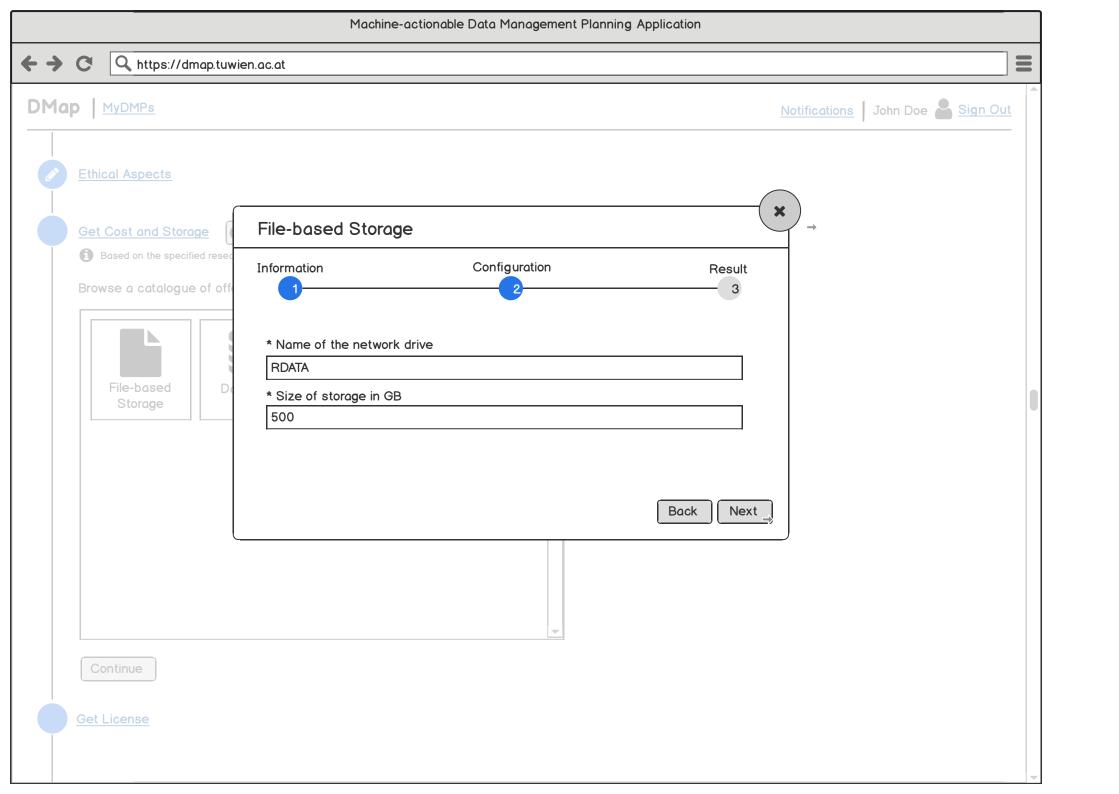


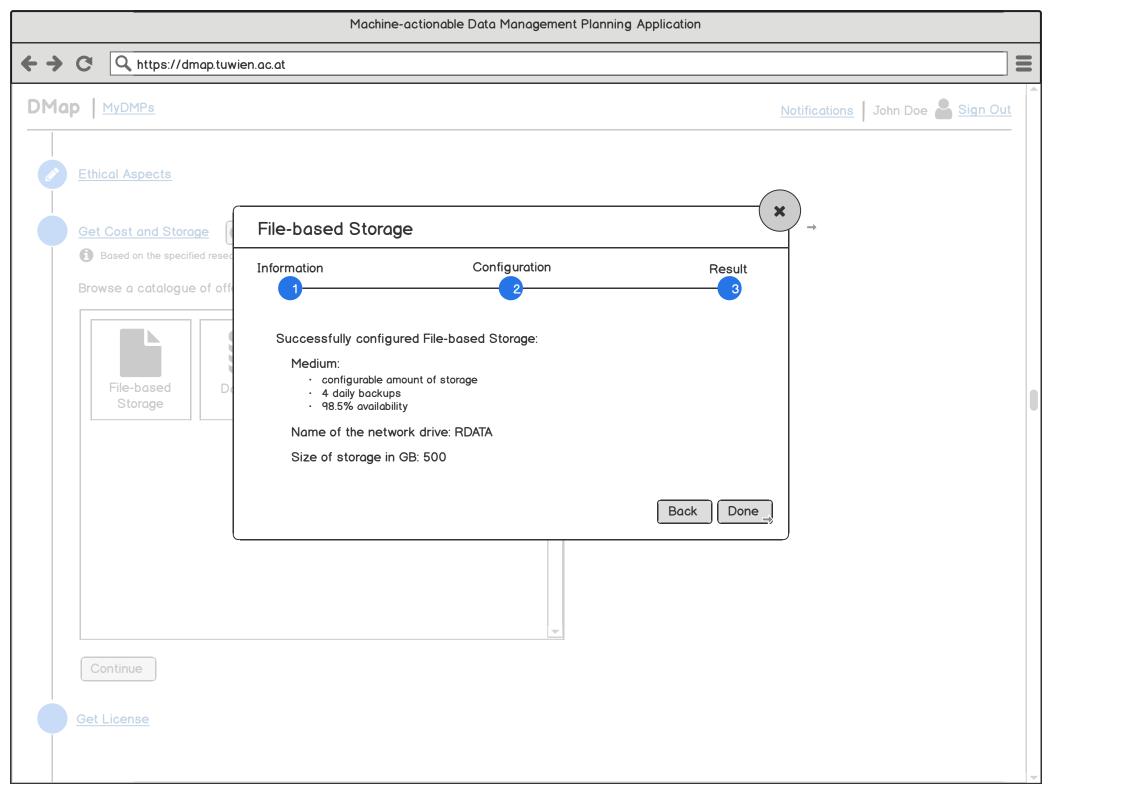


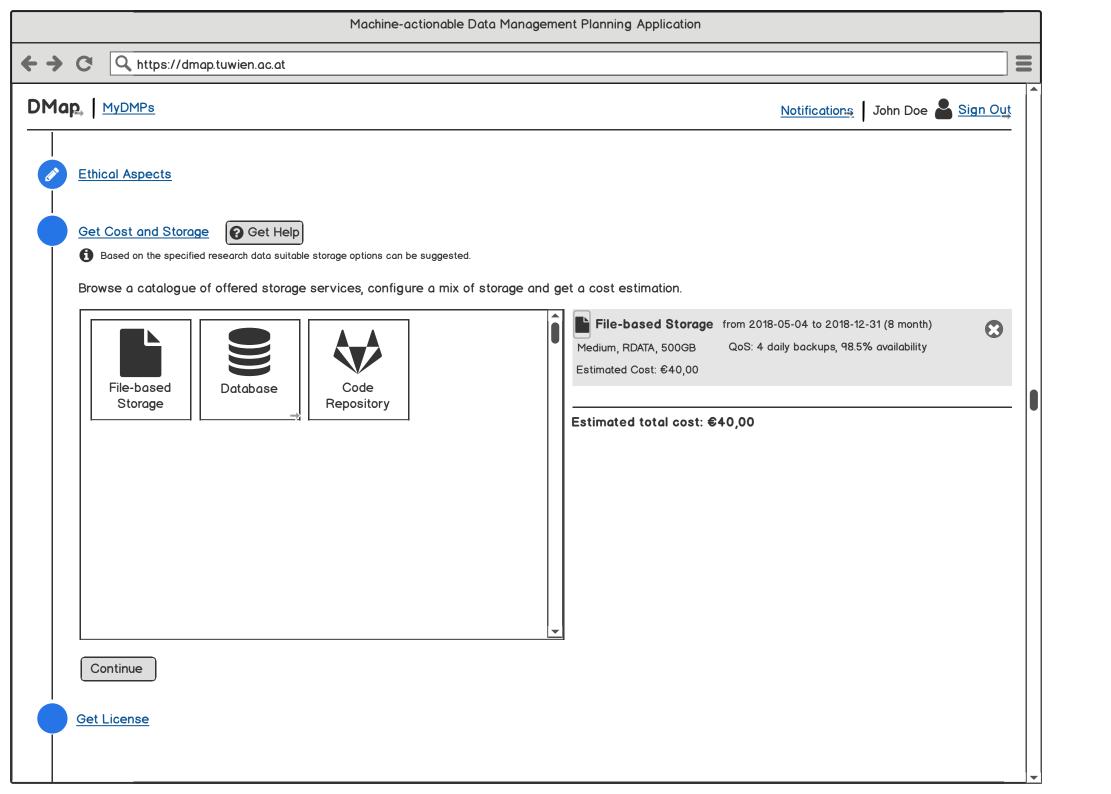


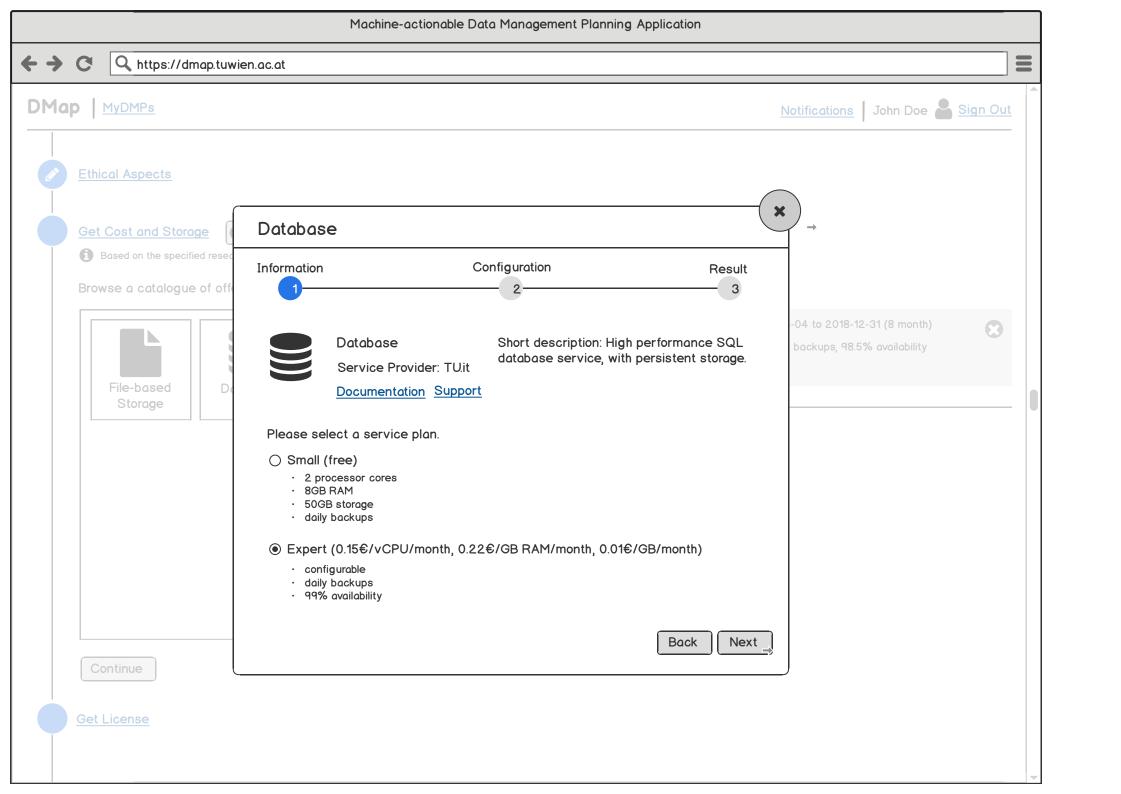


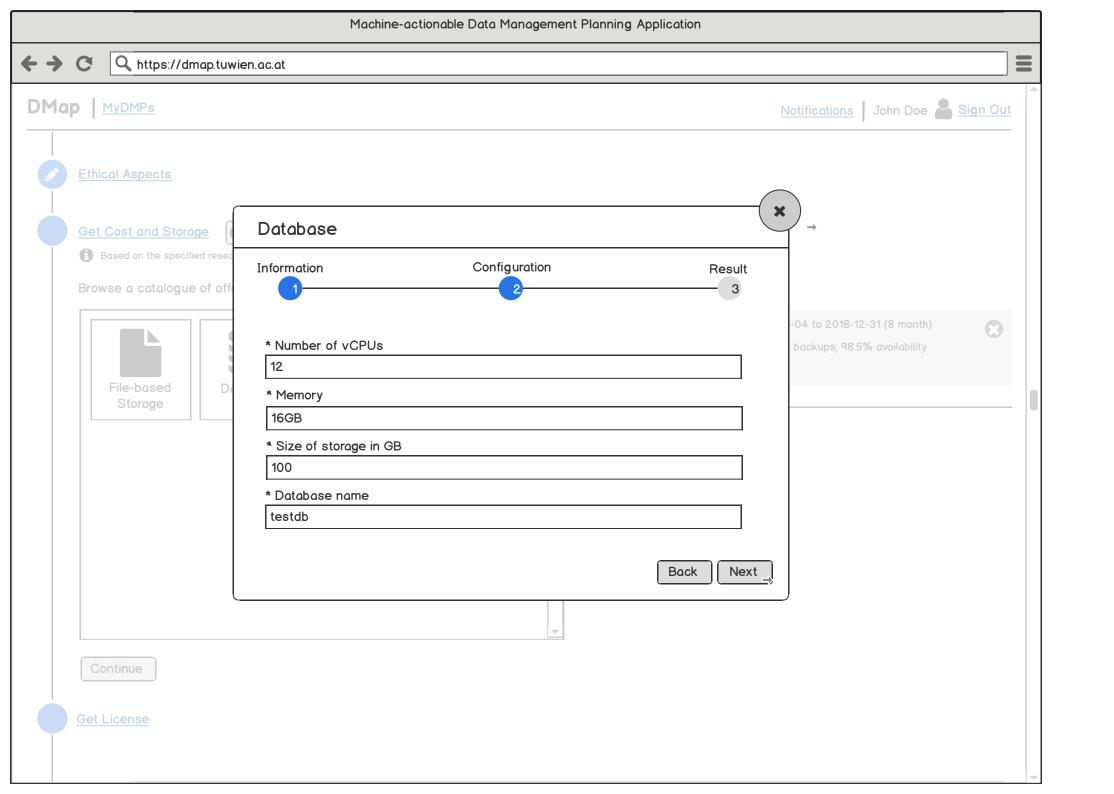


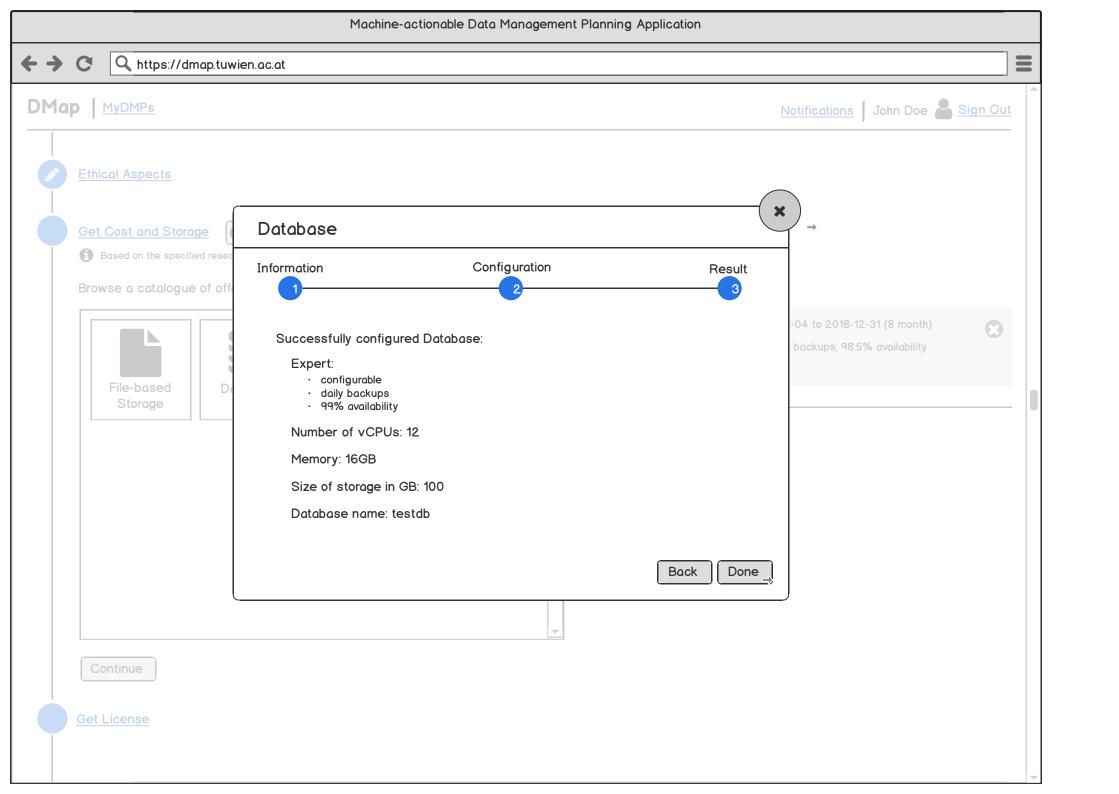


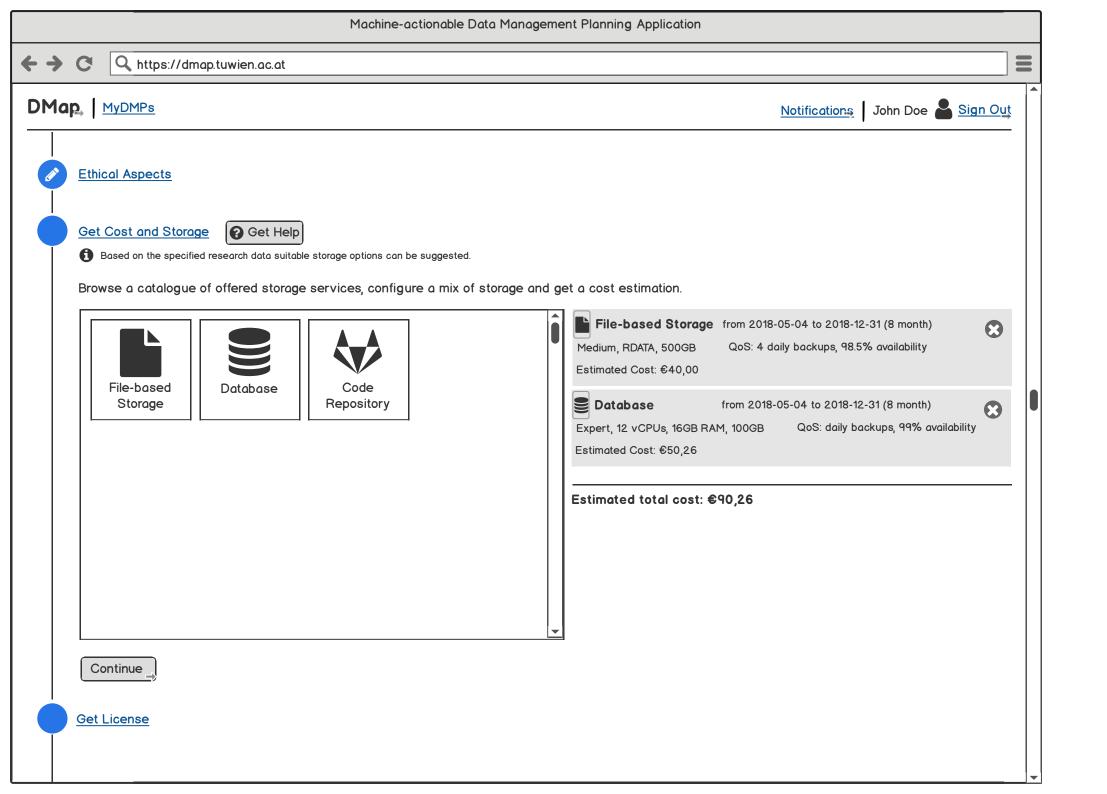


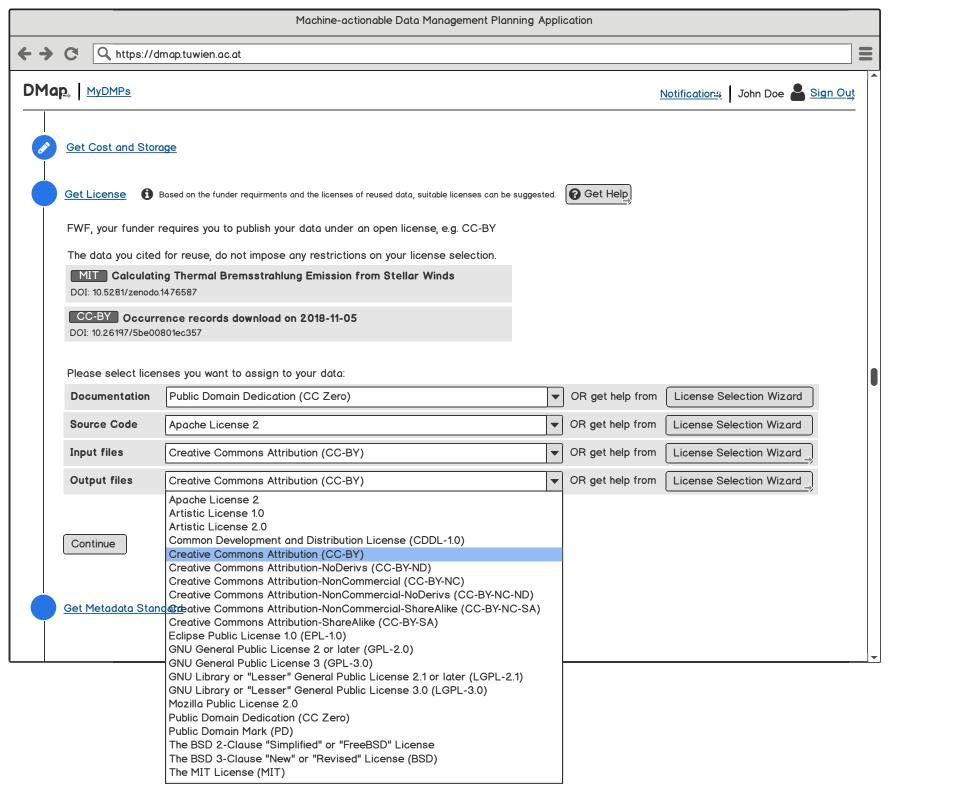


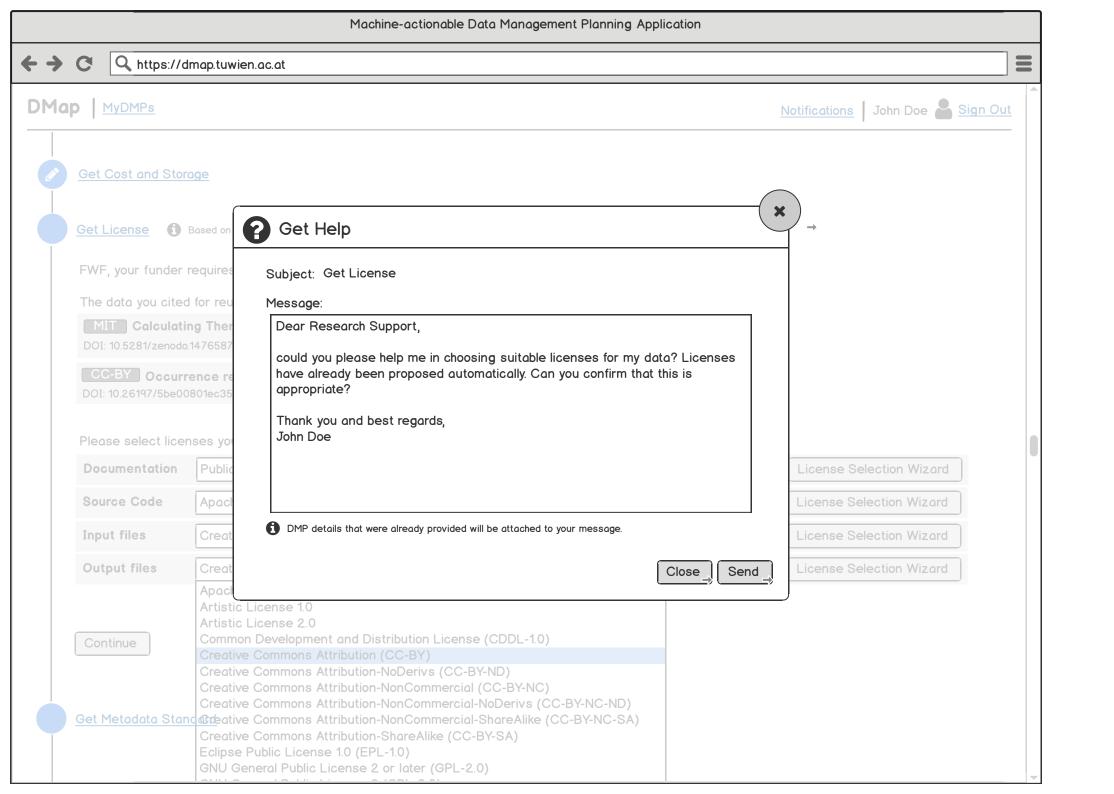


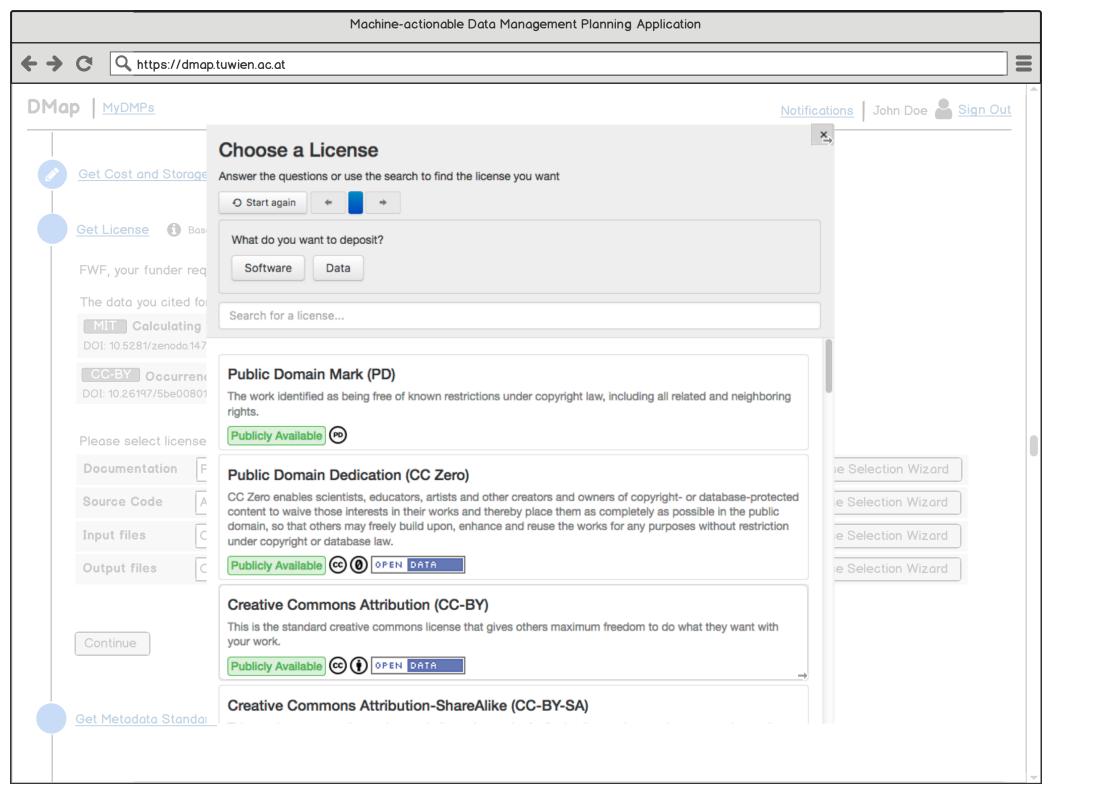


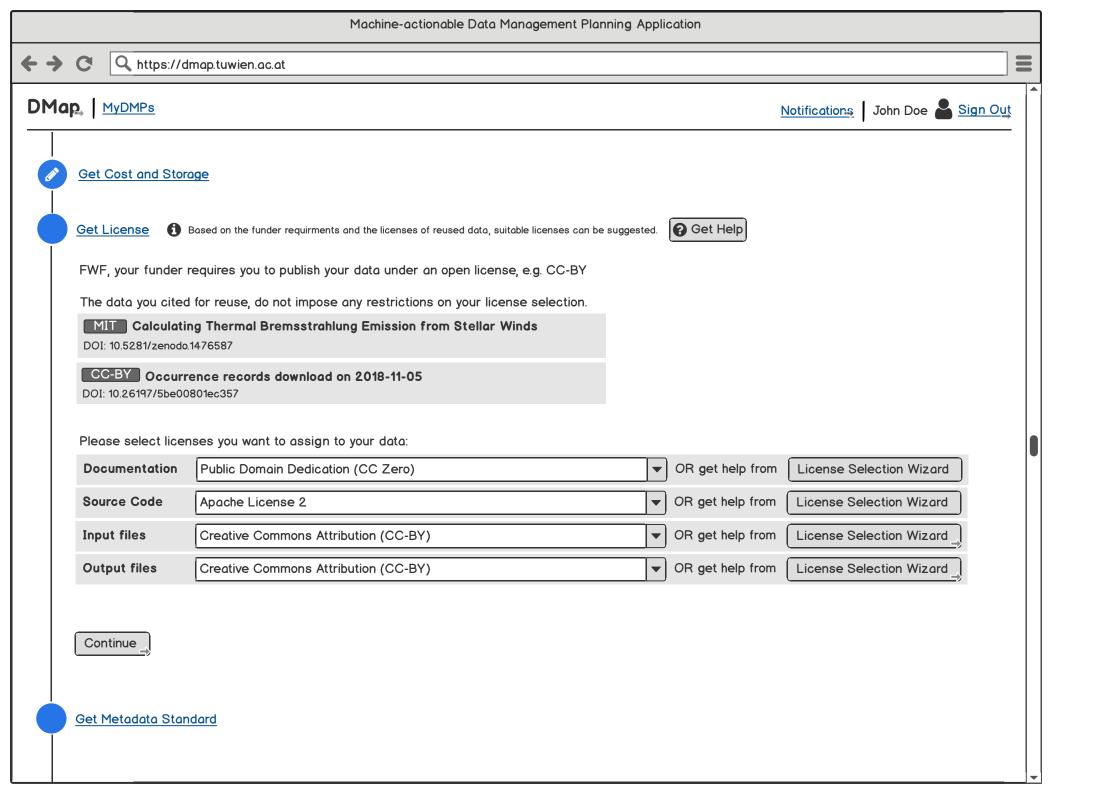


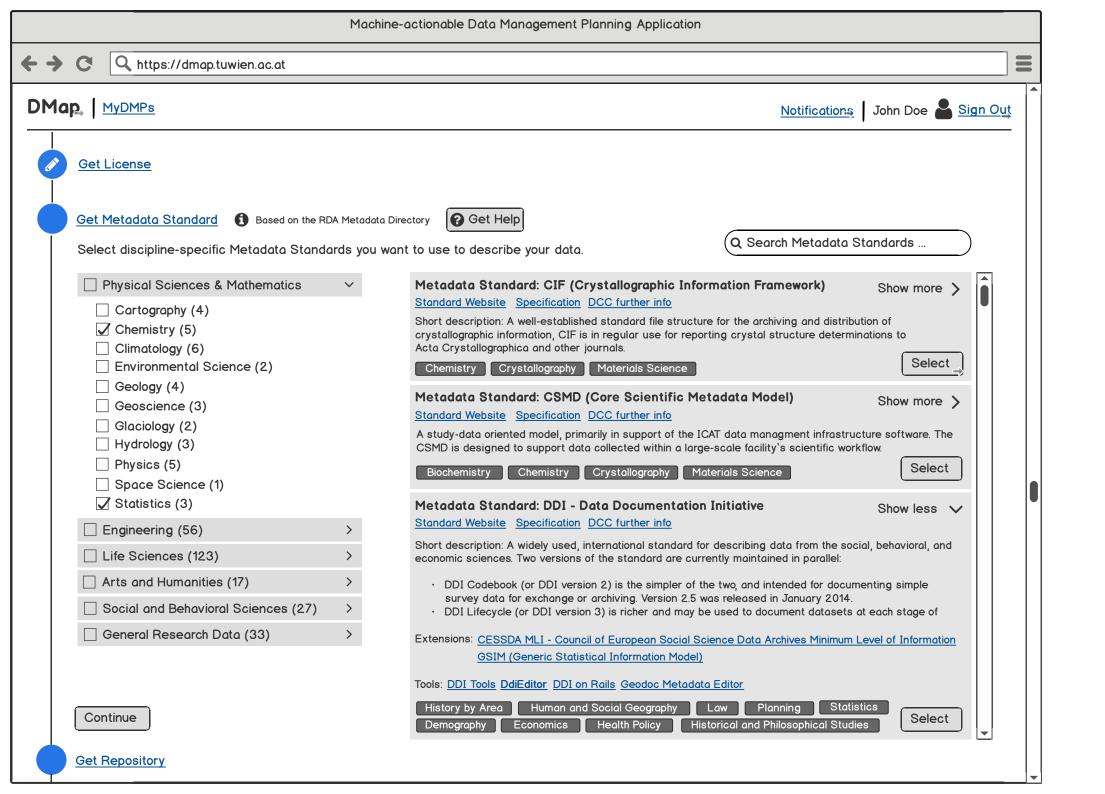






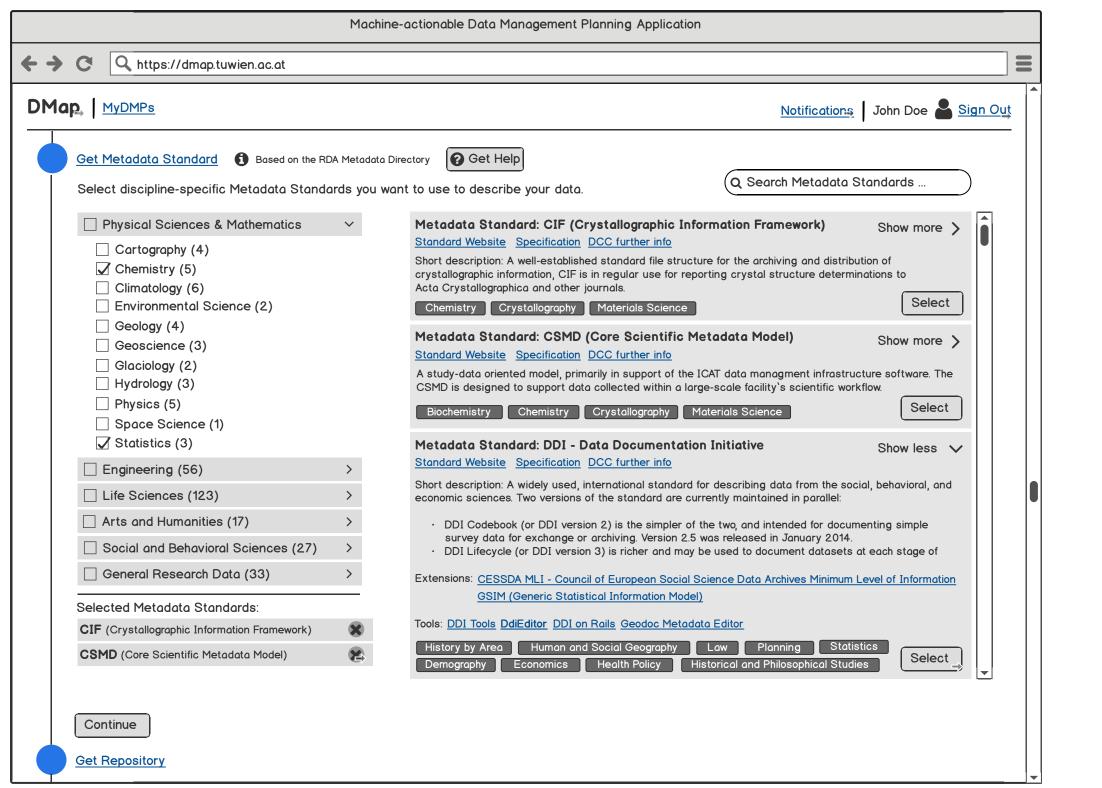


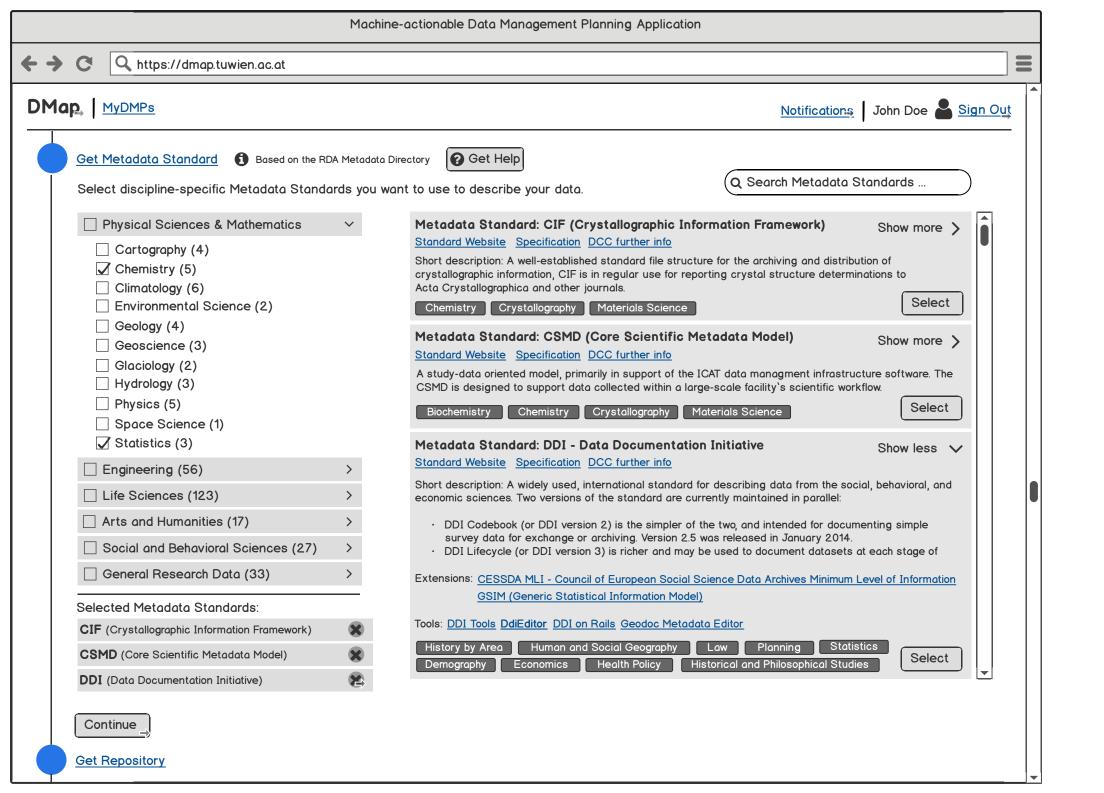


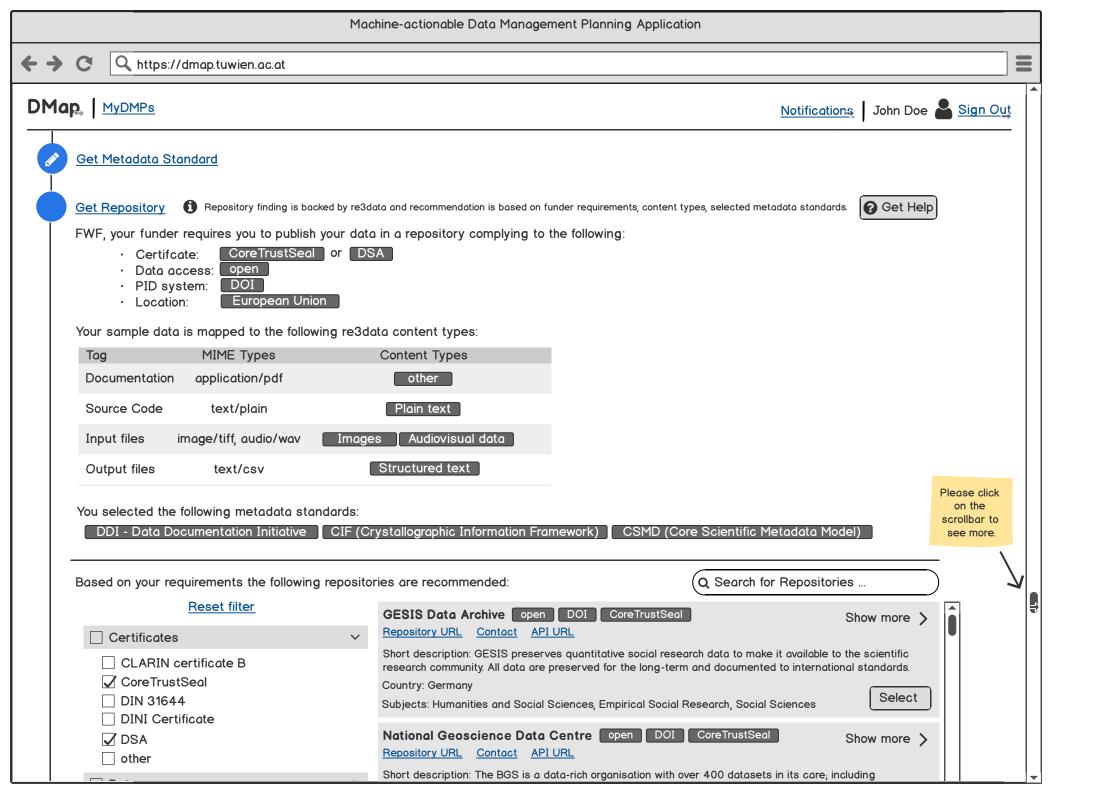


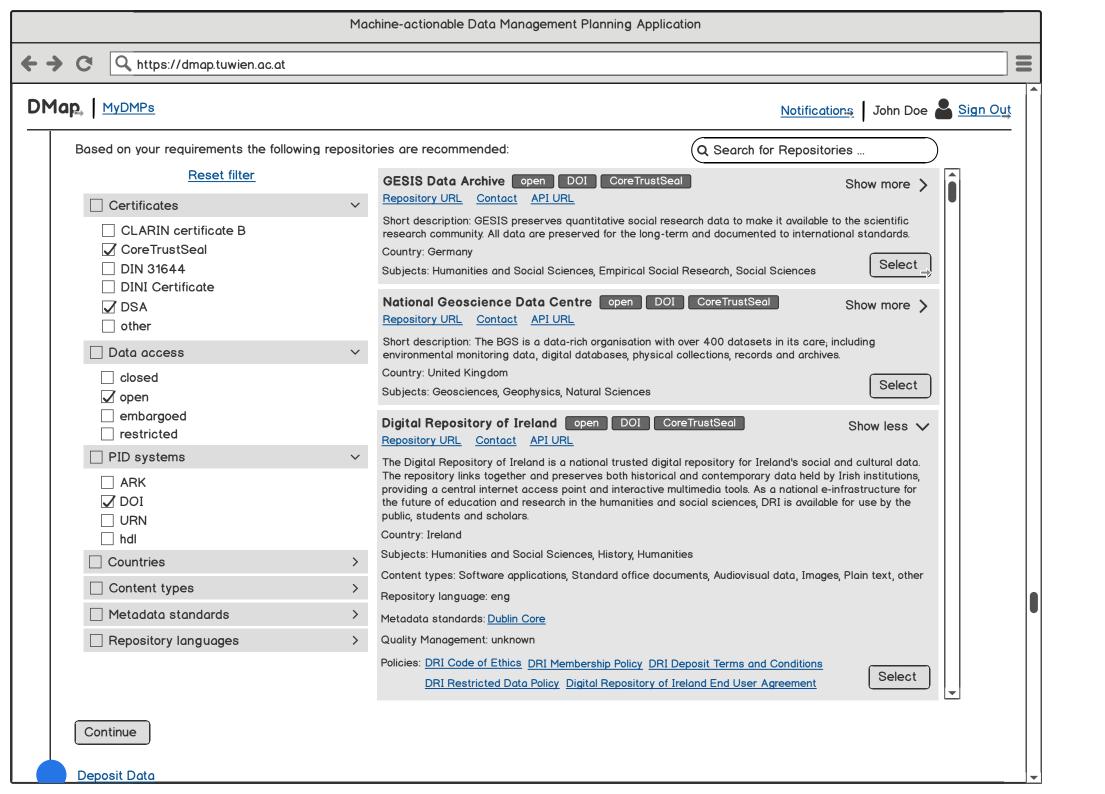
| MyDMPs MyDMPs                                                                                                                                                                                                                                                                                   | Notifications John Doe Sign C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Get Metadata Standard  Based on the RDA Metad  Select discipline-specific Metadata Standards yo                                                                                                                                                                                                 | O Search Metadata Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ☐ Physical Sciences & Mathematics ✓  ☐ Cartography (4) ☐ Chemistry (5) ☐ Climatology (6) ☐ Environmental Science (2) ☐ Geology (4) ☐ Geoscience (3) ☐ Glaciology (2) ☐ Hydrology (3) ☐ Physics (5) ☐ Space Science (1) ☐ Statistics (3)                                                         | Metadata Standard: CIF (Crystallographic Information Framework)  Standard Website Specification DCC further info  Short description: A well-established standard file structure for the archiving and distribution of crystallographic information, CIF is in regular use for reporting crystal structure determinations to Acta Crystallographica and other journals.  Chemistry Crystallography Materials Science  Metadata Standard: CSMD (Core Scientific Metadata Model)  Standard Website Specification DCC further info  A study-data oriented model, primarily in support of the ICAT data management infrastructure software. The CSMD is designed to support data collected within a large-scale facility's scientific workflow.  Biochemistry Chemistry Crystallography Materials Science  Metadata Standard: DDI - Data Documentation Initiative  Show less   Standard Website Specification DCC further info |
| <ul> <li>☐ Engineering (56)</li> <li>☐ Life Sciences (123)</li> <li>☐ Arts and Humanities (17)</li> <li>☐ Social and Behavioral Sciences (27)</li> <li>☐ General Research Data (33)</li> <li>&gt; Selected Metadata Standards:</li> <li>CIF (Crystallographic Information Framework)</li> </ul> | Standard Website Specification DCC further info  Short description: A widely used, international standard for describing data from the social, behavioral, and economic sciences. Two versions of the standard are currently maintained in parallel:  DDI Codebook (or DDI version 2) is the simpler of the two, and intended for documenting simple survey data for exchange or archiving. Version 2.5 was released in January 2014.  DDI Lifecycle (or DDI version 3) is richer and may be used to document datasets at each stage of Extensions: CESSDA MLI - Council of European Social Science Data Archives Minimum Level of Information GSIM (Generic Statistical Information Model)  Tools: DDI Tools DdiEditor DDI on Rails Geodoc Metadata Editor  History by Area Human and Social Geography Law Planning Statistics  Demography Economics Health Policy Historical and Philosophical Studies                  |

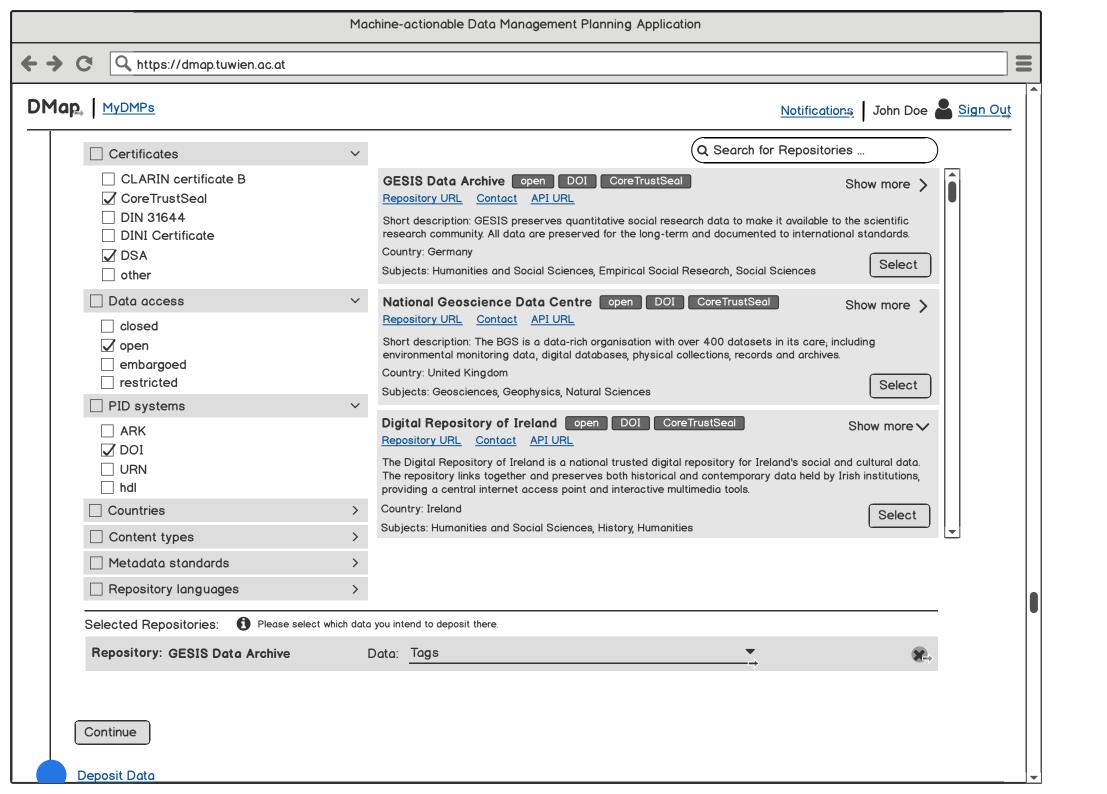
**Get Repository** 

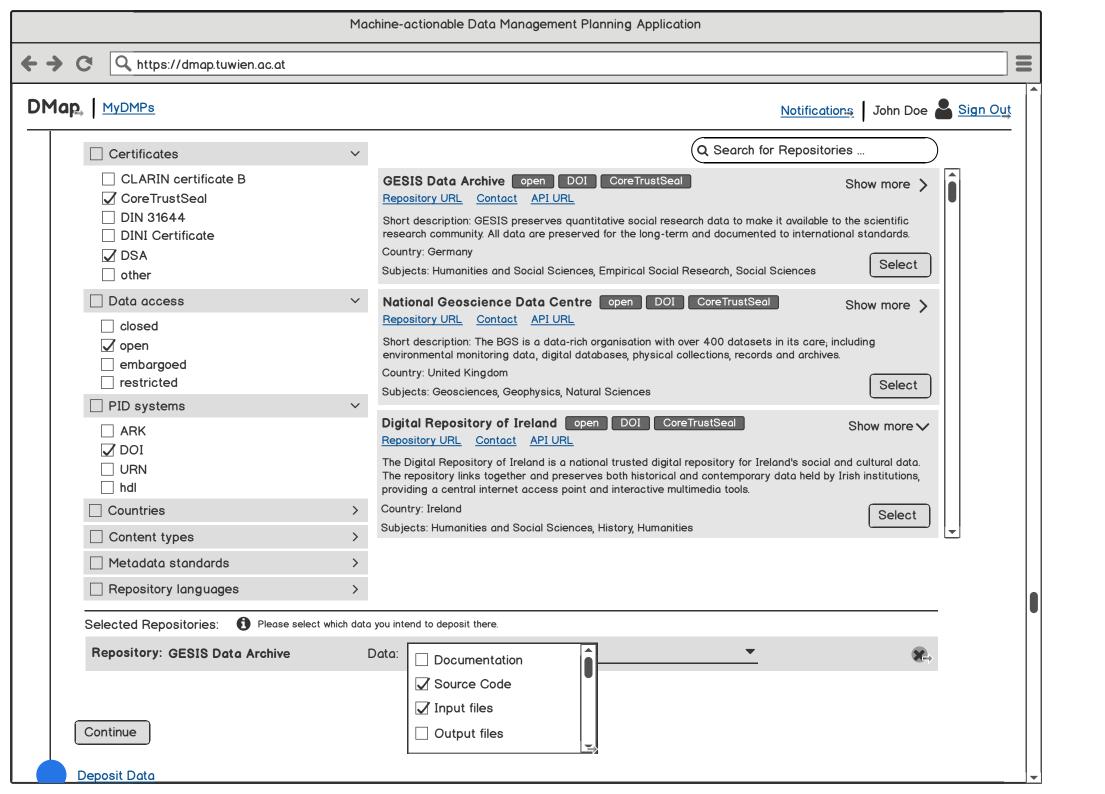


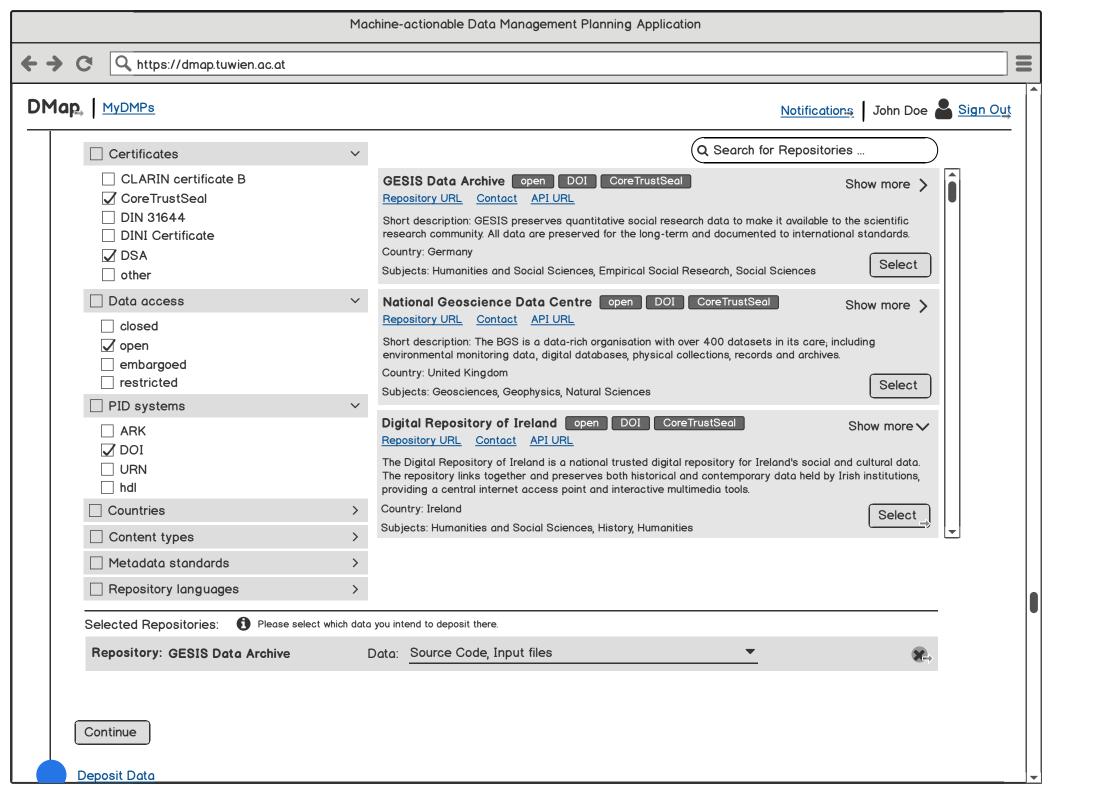


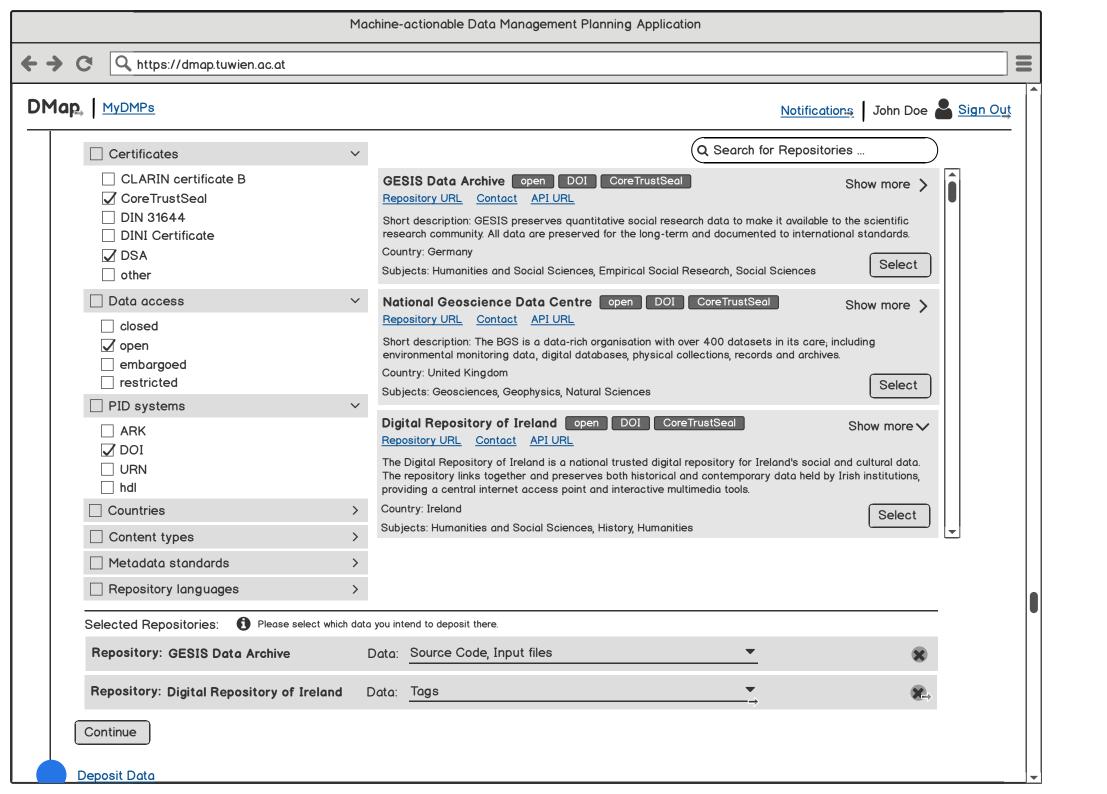


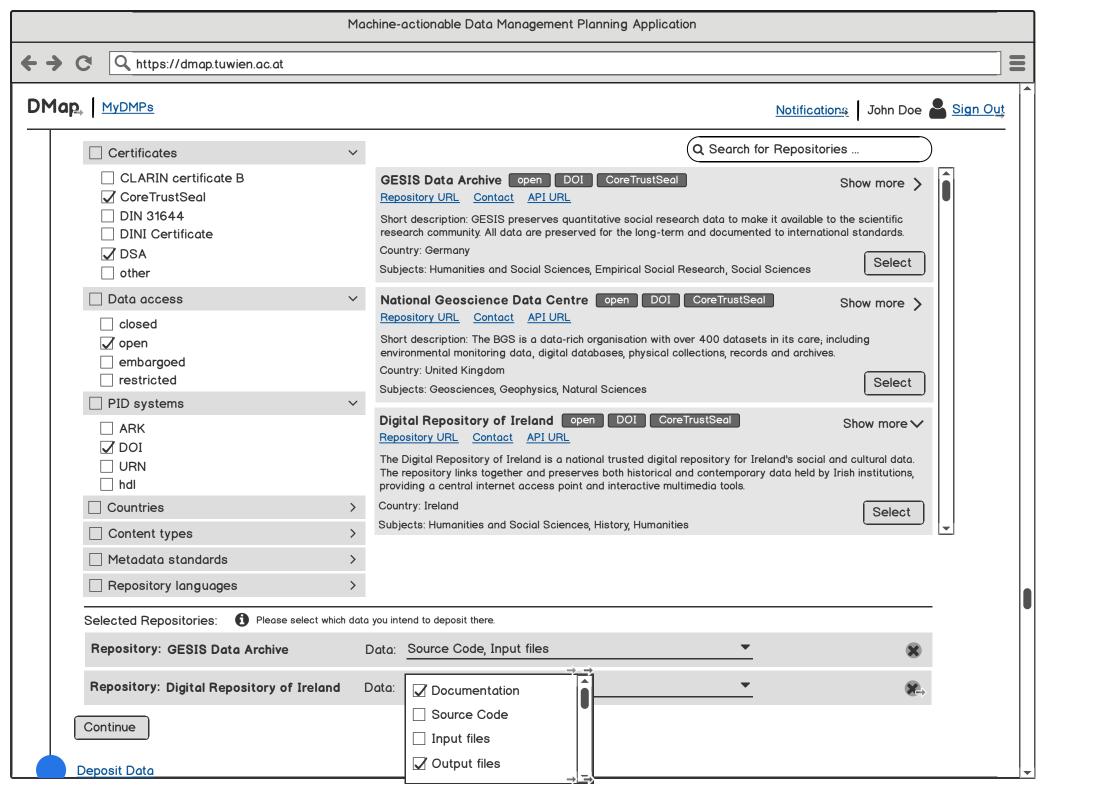


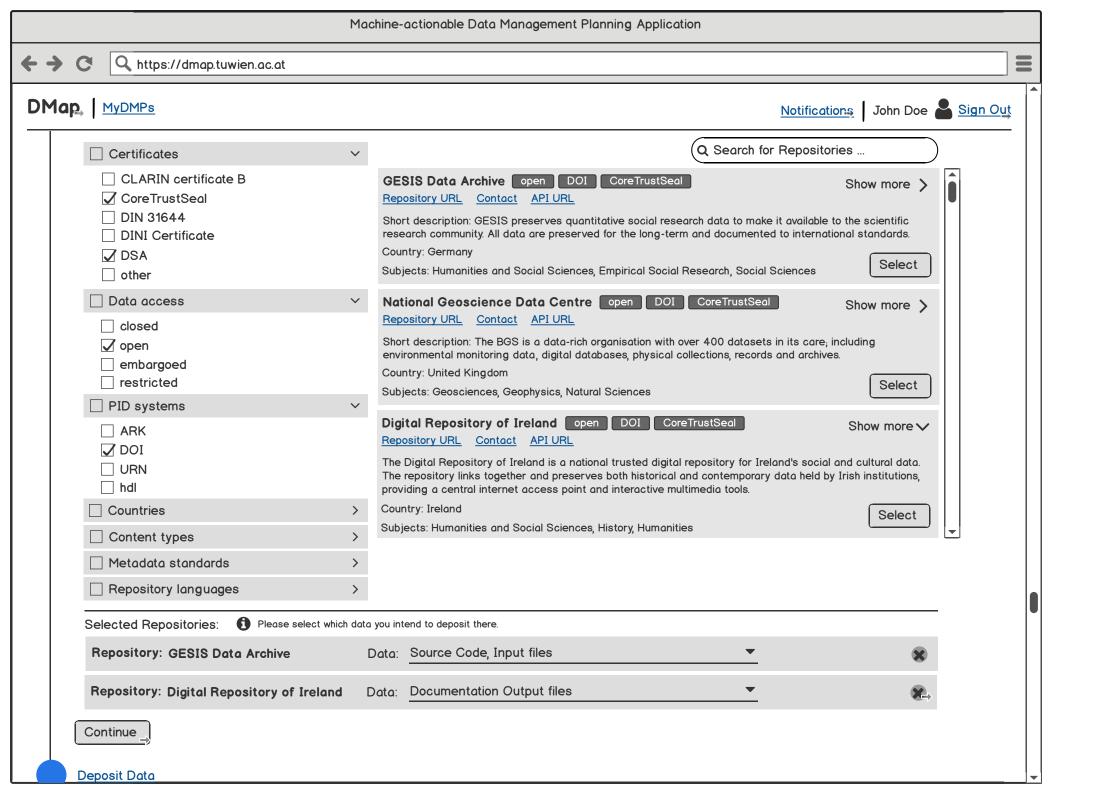


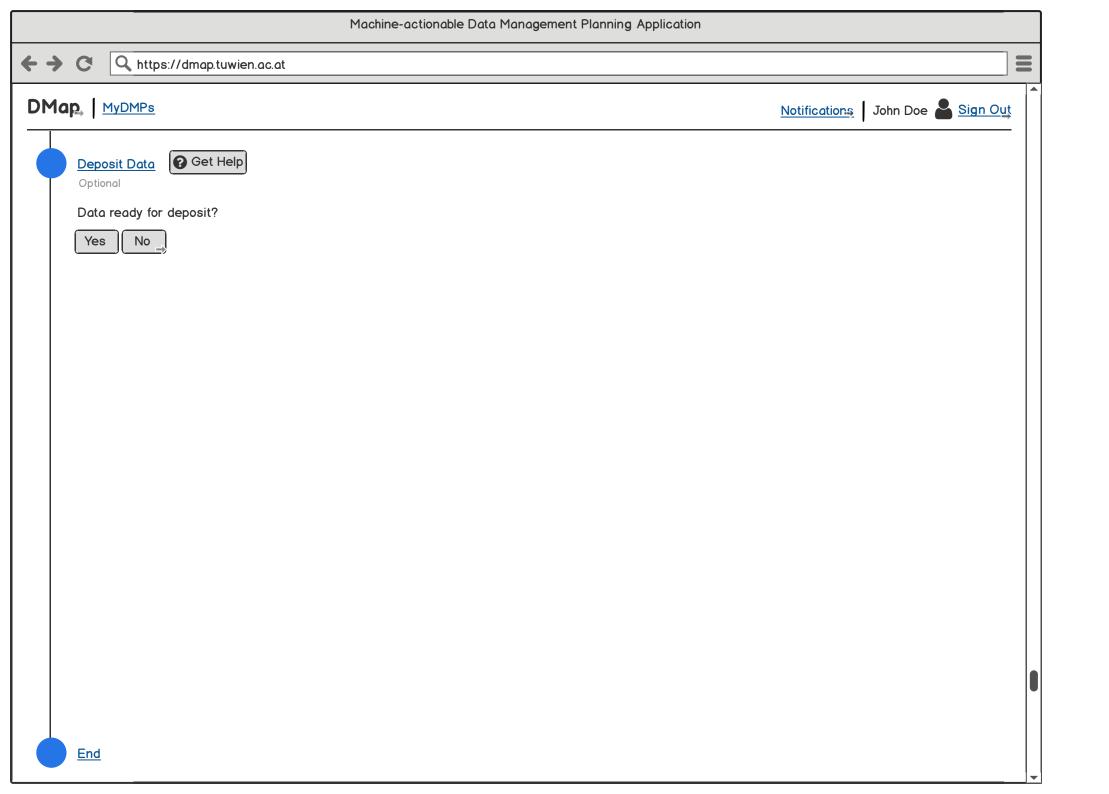


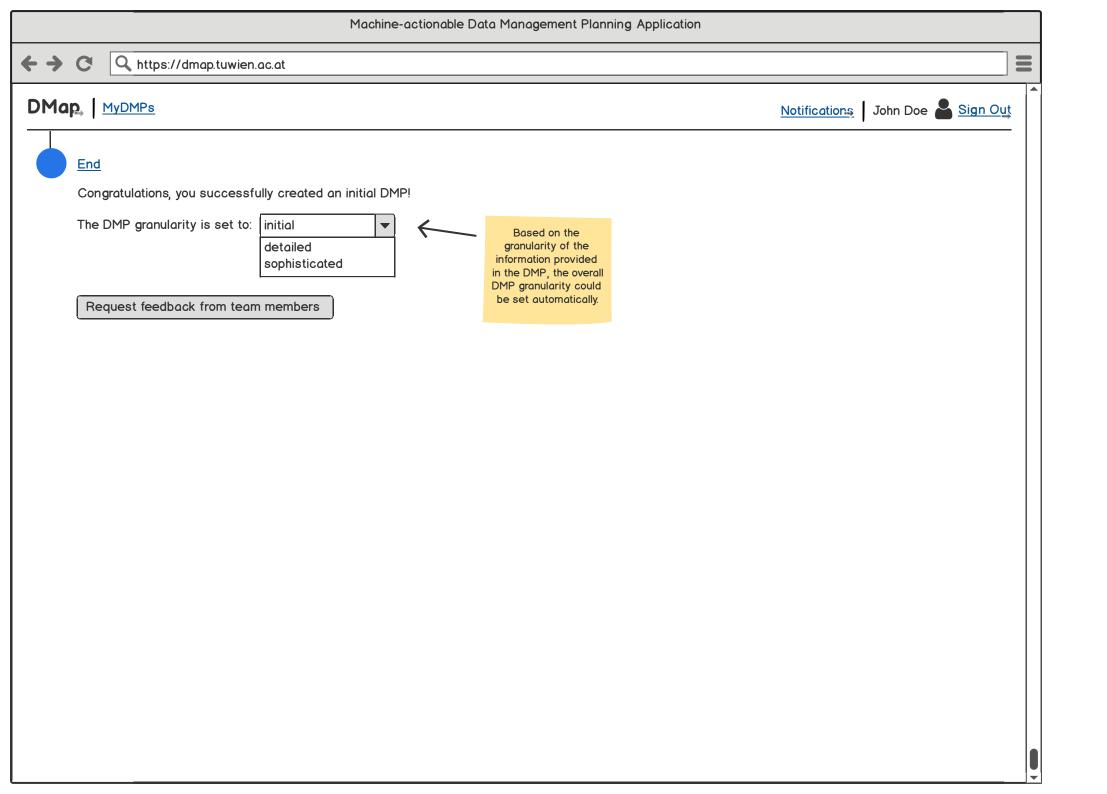












| Machine-actionable Data Management Planning Application                           |                                 |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|---------------------------------|--|--|--|--|--|--|--|
| https://dmap.tuwien.ac.at                                                         |                                 |  |  |  |  |  |  |  |
| Map MyDMPs                                                                        | Notifications John Doe Sign Out |  |  |  |  |  |  |  |
| Notifications                                                                     |                                 |  |  |  |  |  |  |  |
| ② 10h                                                                             |                                 |  |  |  |  |  |  |  |
| Herbert Arnold invited you to collaborate as Research Staff in Example Project 1. |                                 |  |  |  |  |  |  |  |
| <u>accept</u> <u>decline</u>                                                      |                                 |  |  |  |  |  |  |  |
| ② Nov 11                                                                          |                                 |  |  |  |  |  |  |  |
| Esther Mcgee updated 'Get License' in Example Project 2.                          |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
| ② Nov 8                                                                           |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
| ① Nov 5                                                                           |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
| ② Nov 4                                                                           |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
|                                                                                   | <u> </u>                        |  |  |  |  |  |  |  |
| ② Nov 2                                                                           |                                 |  |  |  |  |  |  |  |
|                                                                                   |                                 |  |  |  |  |  |  |  |
|                                                                                   | J                               |  |  |  |  |  |  |  |





A https://rdmsupport.tuwien.ac.at



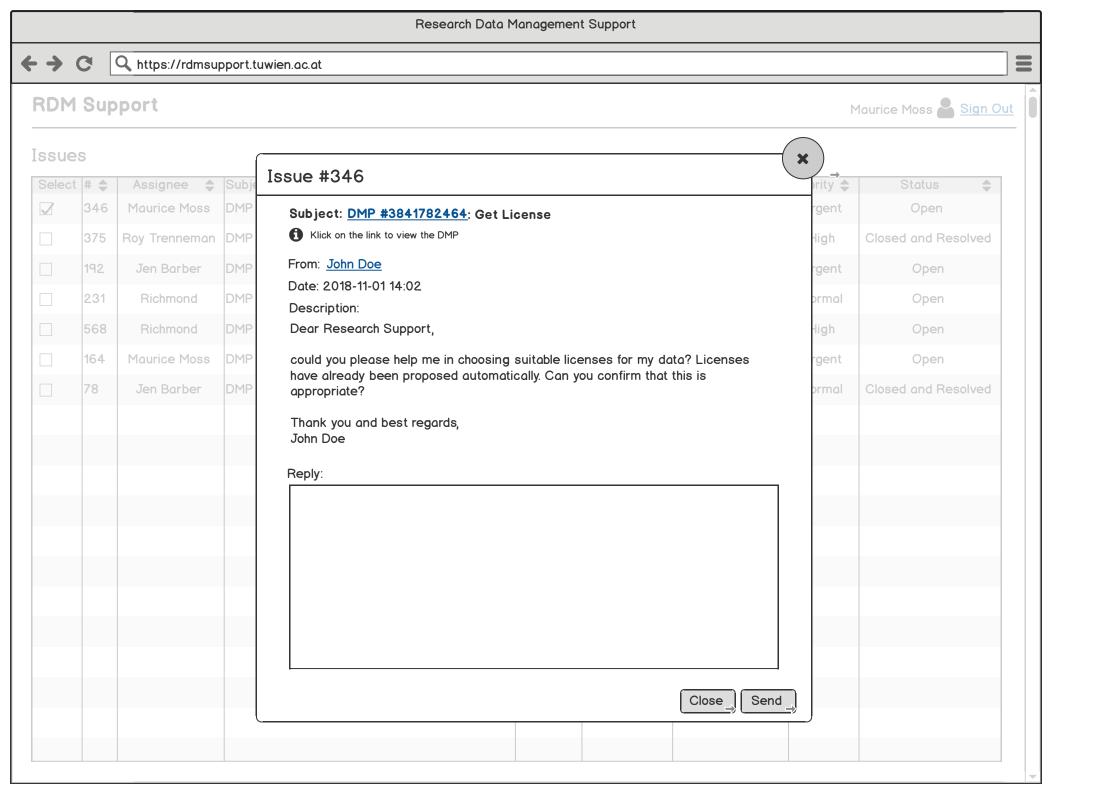
# $\textbf{RDM Support}_{\scriptscriptstyle\rightarrow}$

Maurice Moss Sign Out



## Issues

| Select | # \$ | Assignee 💠    | Subject                                | Author \$ | Start date 🛊 | Updated 💠        | Priority \$ | Status 💠            |
|--------|------|---------------|----------------------------------------|-----------|--------------|------------------|-------------|---------------------|
|        | 346  | Maurice Moss  | DMP #3841782464: Get License           | John Doe  | 2018-11-01   | 2018-11-03 20:16 | Urgent      | Open                |
|        | 375  | Roy Trenneman | DMP #3841782464: Get Repository        | John Doe  | 2018-11-02   | 2018-11-05 11:04 | High        | Closed and Resolved |
|        | 192  | Jen Barber    | DMP #6333762365: Get Storage           | John Doe  | 2018-11-03   | 2018-11-03 13:32 | Urgent      | Open                |
|        | 231  | Richmond      | DMP #4877732452: Get Metadata Standard | John Doe  | 2018-11-06   | 2018-11-08 09:10 | Normal      | Open                |
|        | 568  | Richmond      | DMP #8673273661: Get License           | John Doe  | 2018-11-07   | 2018-11-07 07:32 | High        | Open                |
|        | 164  | Maurice Moss  | DMP #3841782464: Deposit Data          | John Doe  | 2018-11-09   | 2018-11-10 15:03 | Urgent      | Open                |
|        | 78   | Jen Barber    | DMP #7047389566: Reuse Data            | John Doe  | 2018-11-11   | 2018-11-12 16:15 | Normal      | Closed and Resolved |
|        |      |               |                                        |           |              |                  |             |                     |
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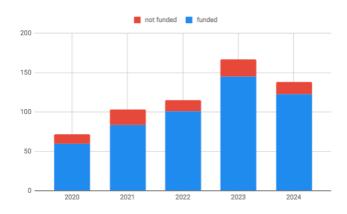


Anttps://rdmstats.tuwien.ac.at

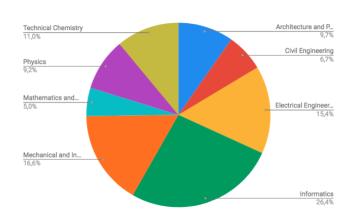


## RDM Numbers

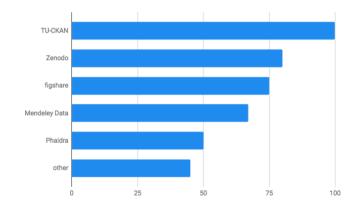
How many DMPs were created for a successfully funded project per year?



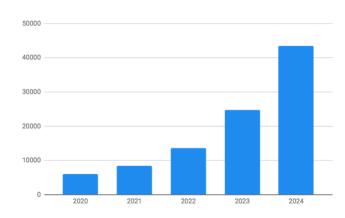
### DMPs per faculty



Which repositories are most popular for long-term preservation?



Amount of estimated research data in GB per year.







A https://dmpviewer.tuwien.ac.at/dmps/54365437012341



## DMP Funder View\_

Home > DMPs > DMP#54365437012341

# Project Details Status: initial

Project title: Bodenphysikalische Laboruntersuchung

Project ID: <u>897234098579232</u> Duration: 2019-01-07 to 2019-12-31

Funder: FWF

Grant number: <u>45608964</u> Principal investigator: <u>John Doe</u>

Contact: John Doe, +43 0123 456 789

#### Abstract:

lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

## **Data Summary**

| Classification                                                                             | Expected MIME Types                                     | Estimated Size |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------|
| application/pdf application/vnd.oasis.opendocum application/vnd.ms-powerpo application/rtf |                                                         | 52.12 MB       |
| Source Code                                                                                | text/plain<br>application/xhtml+xml<br>application/json | 12.54 MB       |
| Input files                                                                                | image/tiff<br>audio/wav                                 | 109.75 GB      |
| Output files text/csv                                                                      |                                                         | 133.55 MB      |

Estimated Total Size: 109,95 GB

Please click on the scrollbar to see more.







A https://dmpviewer.tuwien.ac.at/dmps/54365437012341



## DMP Funder View\_

Home > DMPs > DMP#54365437012341

#### Data Reuse

| Dataset Title                                                  | Origin                     | License |
|----------------------------------------------------------------|----------------------------|---------|
| Calculating Thermal Bremsstrahlung Emission from Stellar Winds | doi:10.5281/zenodo.1476587 | MIT     |
| Occurrence records download on 2018-11-05                      | doi:10.26197/5be00801ec357 | CC-BY   |

## FAIR Data

#### Metadata Standards

- · Dublin Core
- · DataCite Metadata Schema
- · DDI Data Documentation Initiative
- · CIF (Crystallographic Information Framework)
- · CSMD (Core Scientific Metadata Model)

### Inferred FAIRness by Repository Selection

| Selected Repository | Data by Classification   | Data access | PID system | AID system | Certificate   | Quality Mgmt. | Versioning | Location | API             |
|---------------------|--------------------------|-------------|------------|------------|---------------|---------------|------------|----------|-----------------|
| GitHub              | Source Code              | open        | none       | none       | none          | no            | yes        | U.S.     | other           |
| Zenodo              | Documentation            | open        | DOI        | ORCID      | none          | yes           | yes        | EU       | REST<br>OAI-PMH |
| GESIS Data Archive  | Input files Output files | open        | DOI        | none       | CoreTrustSeal | no            | -          | Germany  | OAI-PMH         |

### Licensing

| Data by Classification | Selected License                   |
|------------------------|------------------------------------|
| Documentation          | Public Domain Dedication (CC Zero) |
| Source Code            | Apache License 2                   |
| Input files            | Creative Commons Attribute (CC-BY) |
| Output files           | Creative Commons Attribute (CC-BY) |

Please click on the scrollbar to see more.







A https://dmpviewer.tuwien.ac.at/dmps/54365437012341



## DMP Funder View\_

Home > DMPs > DMP#54365437012341

# Allocation of Resources

#### Staff

| Person       | Data Management Role |
|--------------|----------------------|
| John Doe     | Project Director     |
| Sabrina Kopf | Co-PI                |
| Andrew Smith | Data Manager         |

### Storage

| Storage Type       | Service Provider | Service Configuration         | QoS Summary                           | Cost Rate                                                | Duration | Estimated Cost |
|--------------------|------------------|-------------------------------|---------------------------------------|----------------------------------------------------------|----------|----------------|
| File-based Storage | <u>TU.it</u>     | 500GB                         | 4 daily backups<br>98.5% availability | €0.01/GB/month                                           | 8 month  | €40.00         |
| Database           | <u>TU.it</u>     | 12 vCPUs<br>16GB RAM<br>100GB | daily backups<br>99% availability     | €0.15/vCPU/month<br>€0.22/GB RAM/month<br>€0.01/GB/month | 8 month  | €50.26         |

Estimated Total Cost: €90.26

# **Ethical Aspects**

Ethical issues associated with the research data were addressed and approved by the ethical board. Read ethics report.

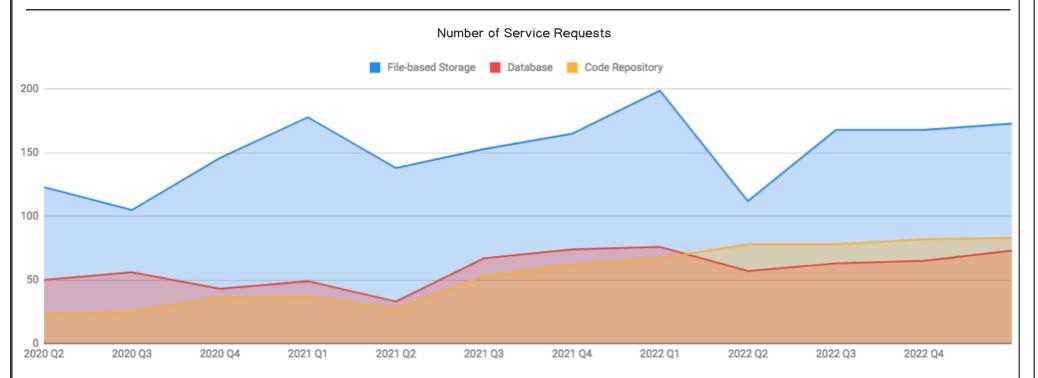




Q https://it-demand.tuwien.ac.at/



# ICT Service Demand,



| ID Requester \$  | Requested Service Type 💠 | Config Summary                              | Start date 🛊 | End date 🖨 | Estimated cost 🖨 | Funding status 🖨 | Provision status 🖨 |
|------------------|--------------------------|---------------------------------------------|--------------|------------|------------------|------------------|--------------------|
| 123 John Doe     | File-based Storage       | 500GB<br>Medium tier                        | 2019-01-07   | 2019-12-31 | €65.80           | unknown          | not provisioned    |
| 124 John Doe     | Database                 | 12 vCPU<br>16GB RAM<br>100GB<br>Expert tier | 2019-01-07   | 2019-12-31 | €70.56           | <u>unknown</u>   | not provisioned    |
| 325 Martin Smith | Code Repository          | 100GB<br>Free tier                          | 2018-01-06   | 2018-11-30 | €00.00           | funded           | provided           |