



# VRE Cloud Storage Workspace

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**IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System**  
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-  
Mission 4 “Education and Research” - Component 2: “From research to business” - Investment  
3.1: “Fund for the realisation of an integrated system of research and innovation infrastructures”



Finanziato  
dall'Unione europea  
NextGenerationEU



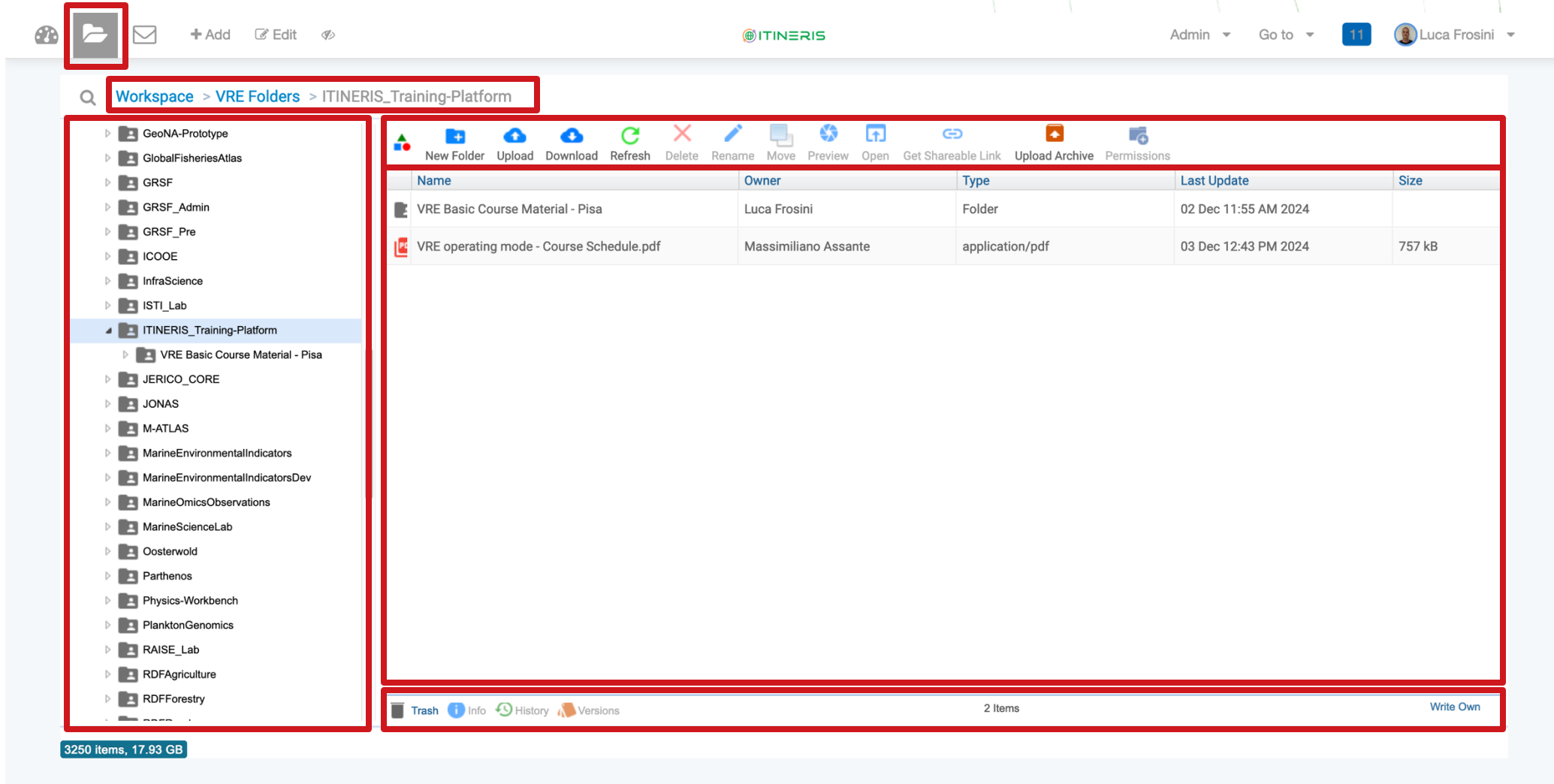
Ministero  
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e della Ricerca



Italiadomani  
INIZIATIVA NAZIONALE  
PER IL FUTURO



# A quick look at the workspace

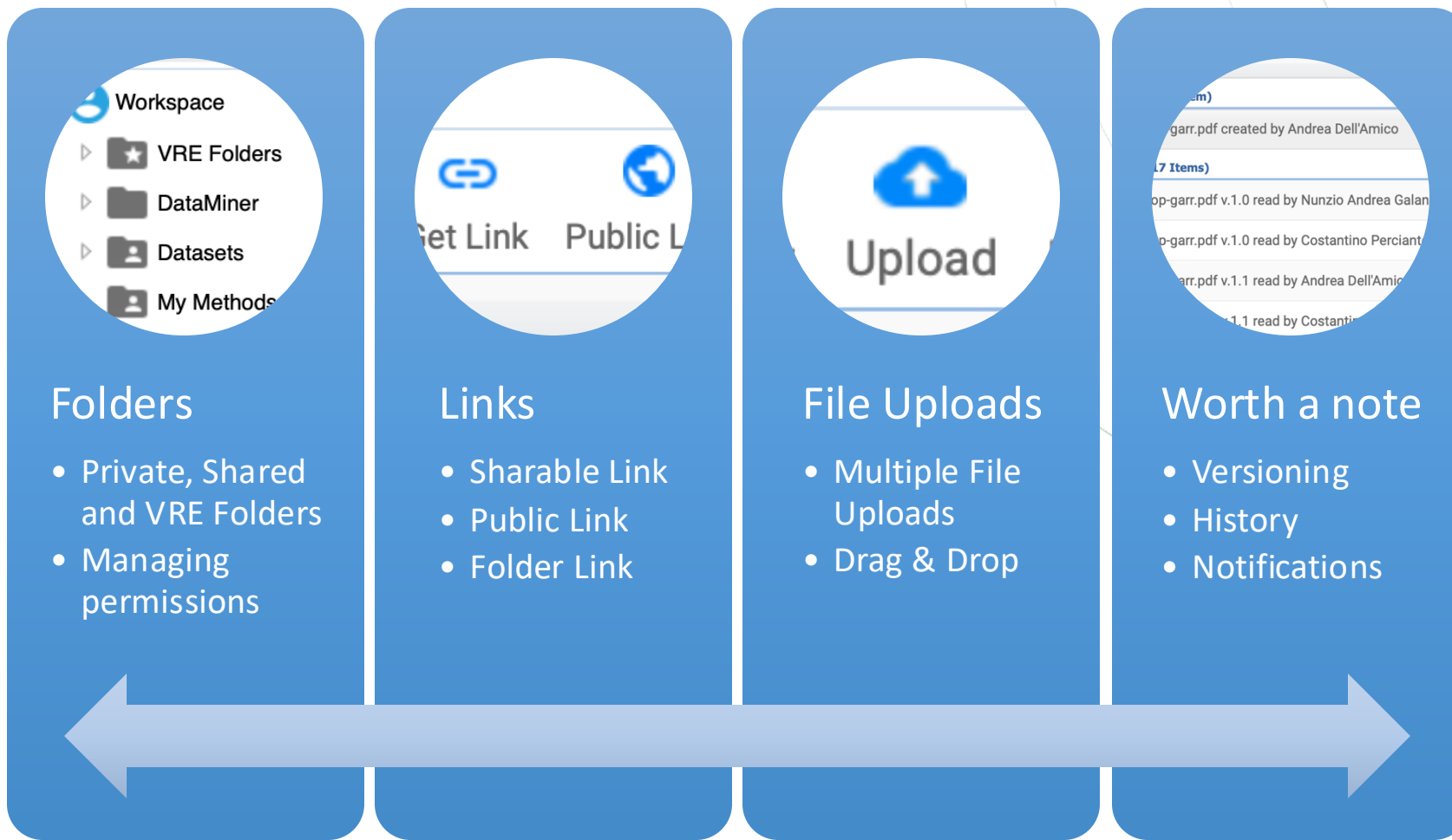


The screenshot shows the ITINERIS workspace interface. At the top, there is a navigation bar with the ITINERIS logo, user information (Luca Frosini), and navigation options (Admin, Go to, 11). Below the navigation bar, the breadcrumb path is **Workspace > VRE Folders > ITINERIS\_Training-Platform**. The left sidebar displays a tree view of folders, with **ITINERIS\_Training-Platform** selected. The main content area shows a file browser view with a toolbar (New Folder, Upload, Download, Refresh, Delete, Rename, Move, Preview, Open, Get Shareable Link, Upload Archive, Permissions) and a table of files:

Name	Owner	Type	Last Update	Size
VRE Basic Course Material - Pisa	Luca Frosini	Folder	02 Dec 11:55 AM 2024	
VRE operating mode - Course Schedule.pdf	Massimiliano Assante	application/pdf	03 Dec 12:43 PM 2024	757 kB

At the bottom of the interface, there is a status bar showing **3250 items, 17.93 GB** and navigation options (Trash, Info, History, Versions, 2 Items, Write Own).

# What we'll cover



# Folder Types



## Private Folders

- Only you can access the files you upload



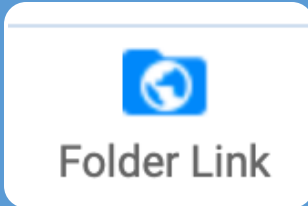
## Shared Folders

- You decide who can access the files



## VRE Folders

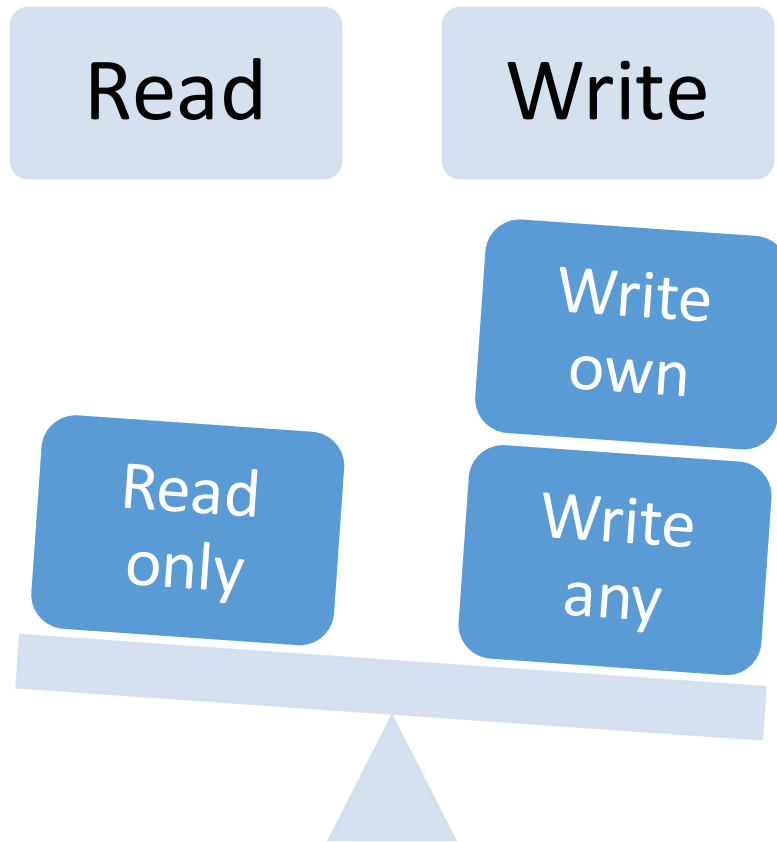
- All VRE members can access the files










## Public Folders

- Anyone with the link can access the files

## Shared Folder Permissions



## Shared Folder Policies

-  **Write Any:** users can update/delete any files
-  **Write Any:** users can only update/delete their own files
-  **Read Only:** users cannot update/delete any file
-  Shared folder owner can do anything
-  *Administrators* can be nominated by the shared folder owner
-  Sub-folders inherit parent folder permissions
-  Sub-folder permissions can only be restricted

# Sharing a Folder

Workspace

Andrea's workspace

- VRE Folders
- \_shared attachments
- \_uploaded\_forms
- DataMiner
- DataMinerTest
- Datasets
- GARR\_Workshop
- My Methods
- My private folder 1
- My private folder 2
- OceanographyCourse
- Sample Reports and Templates
- test email 4 apr

Toolbar: New Folder, Upload, Download, Refresh, Delete, Rename, Move, Preview, Op

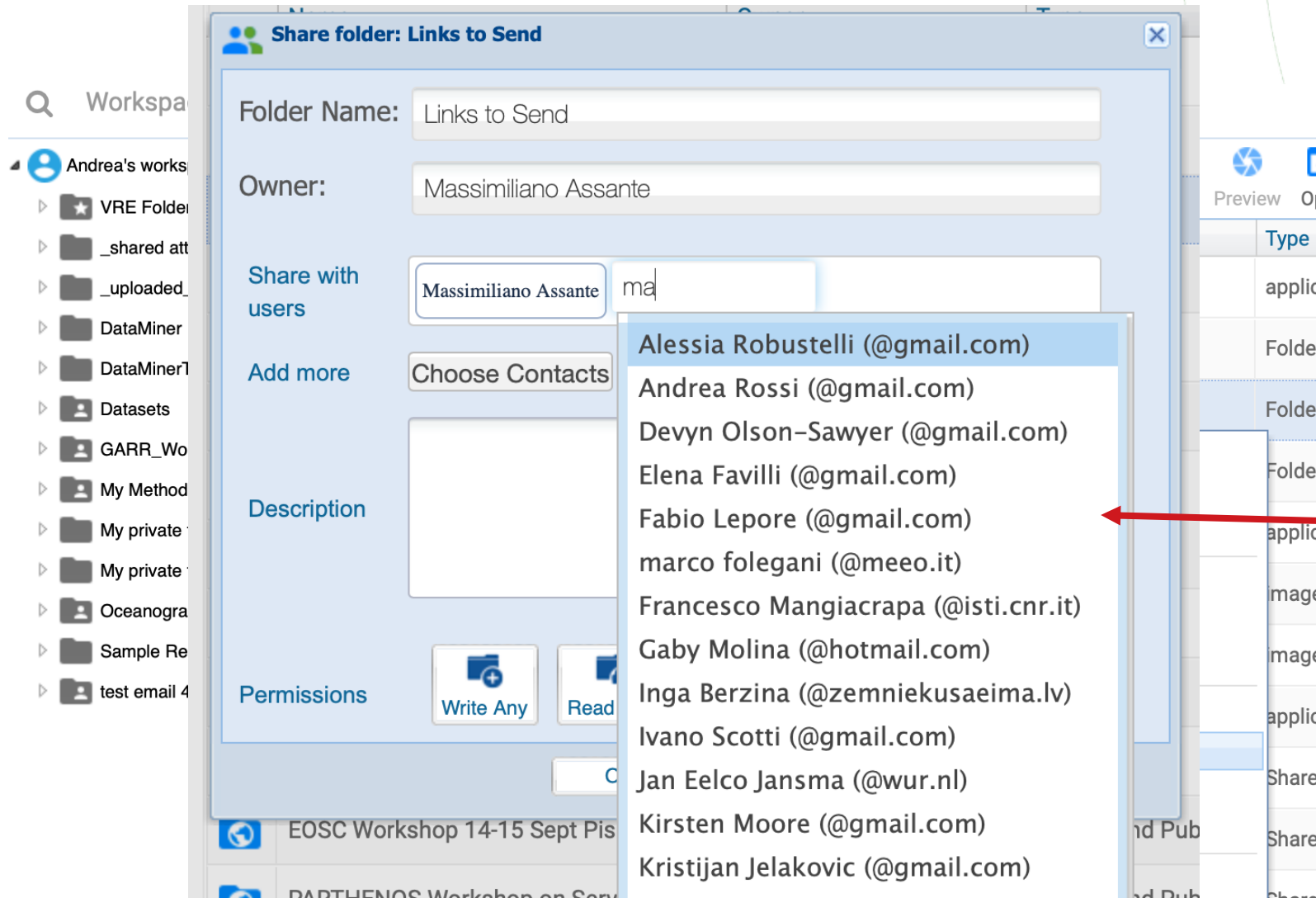
Name	Owner	Type
Grant Agreement-675680-BlueBRIDGE...	Andrea Rossi	applic
My private folder 2	Andrea Rossi	Folder
Sample Reports and Templates	Andrea Rossi	Folder
DataMinerTest		Folder
share-updates-2.3.0-4.3.0.war		applic
Screen Shot 2016-07-21 at 14.17.08 (		image
massi.jpg		image
Agenda 2nd TCom meeting 2016.06.		applic
Datasets		Share
test email 4 apr		Share
GARR Worksho		Share

Context menu for 'Sample Reports and Templates':

- Get Info
- Get Folder Link
- History
- New Folder
- New Shared Folder
- New Url
- Move
- Share
- Rename Item
- Delete Item
- Upload File/s

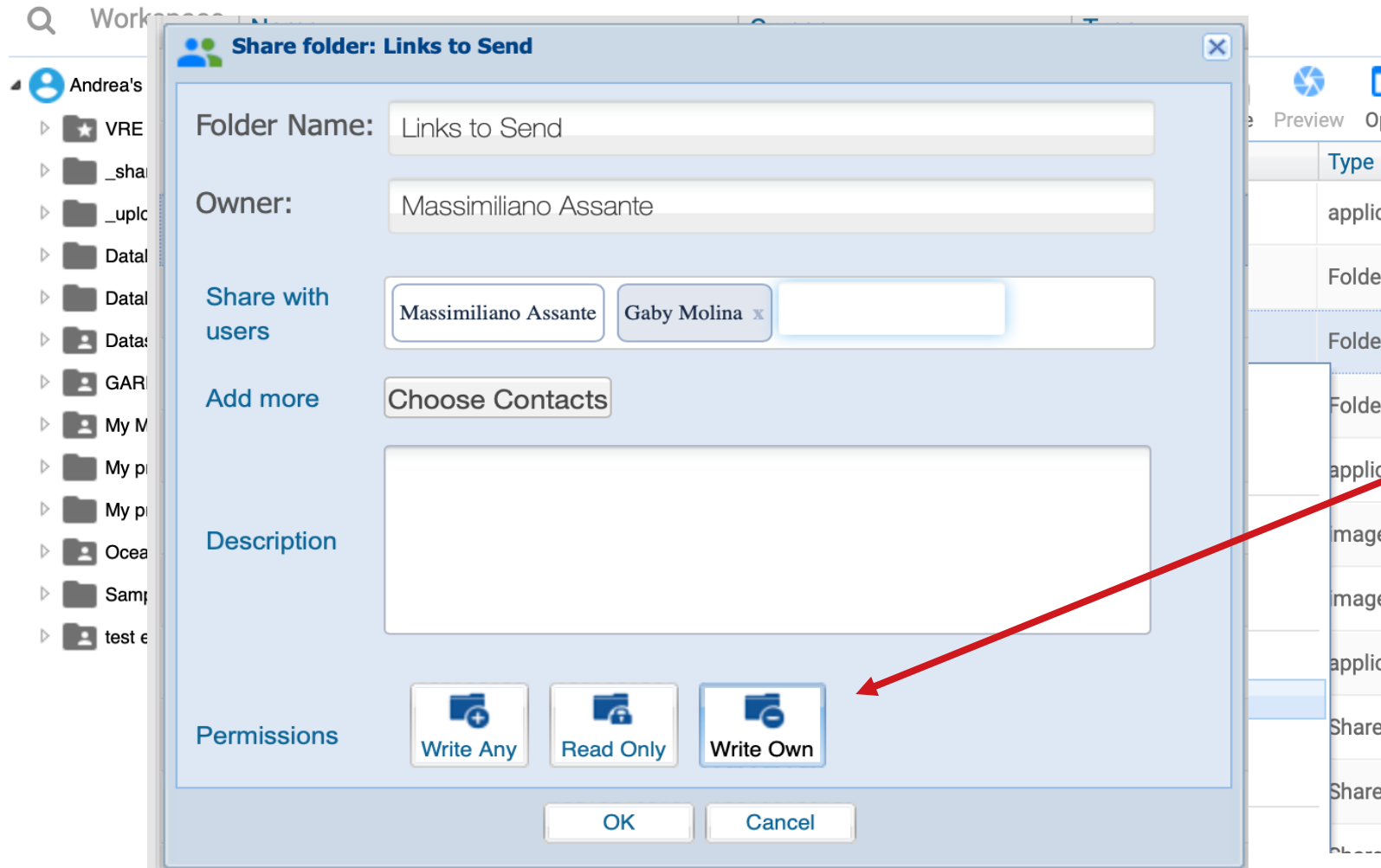
Right click on any folder and select **Share**

# Sharing a Folder



Select user(s) to share  
with

# Sharing a Folder



Select the desired level  
of permissions

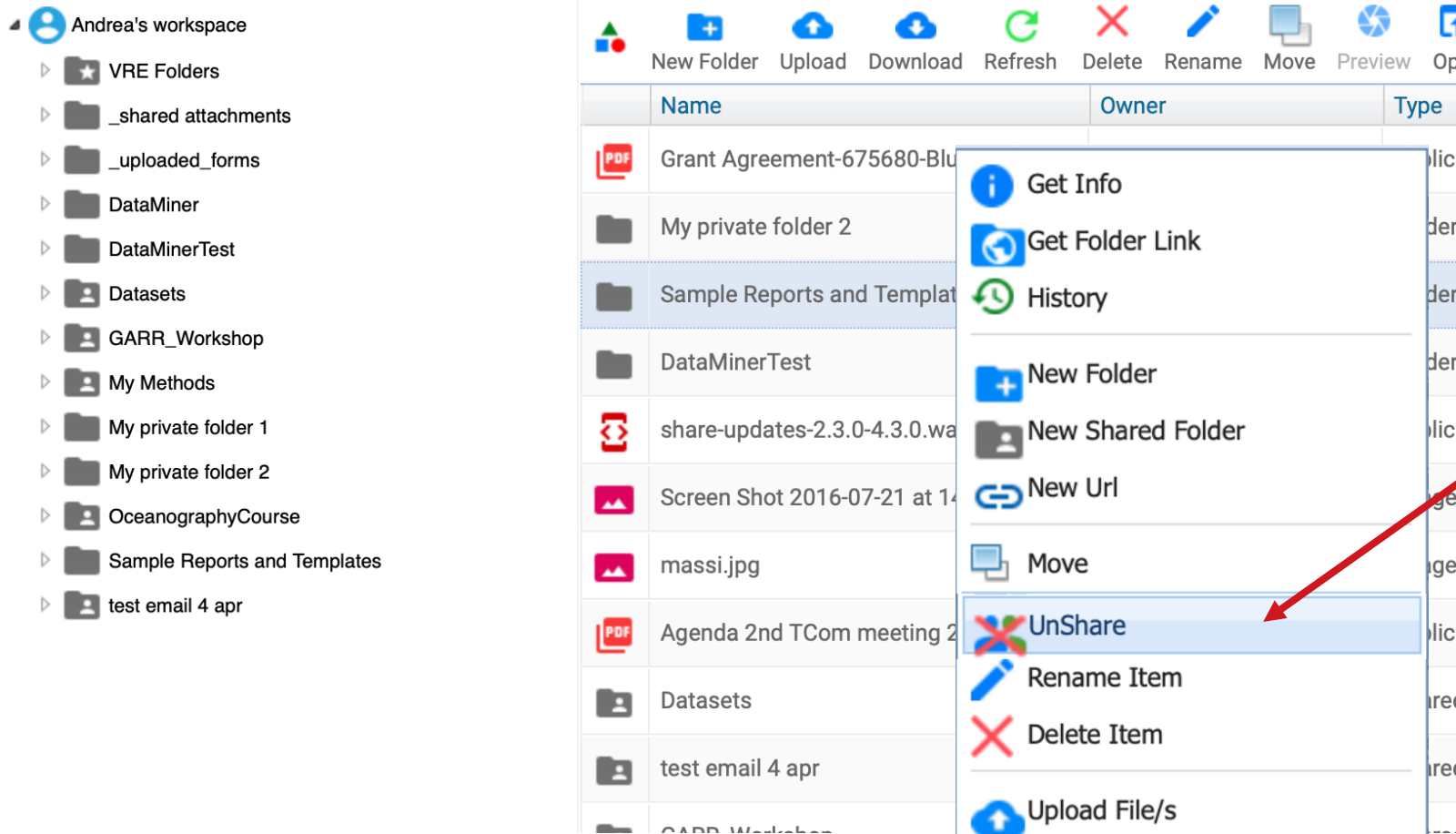


# Hands-On

1. Create a **private folder** named "{your name} training data" with a proper description
2. Upload the data downloaded from <https://dati.toscana.it> into the newly created folder
3. **Share** the folder with users in your working group

# UNSHARING a Folder

Workspace

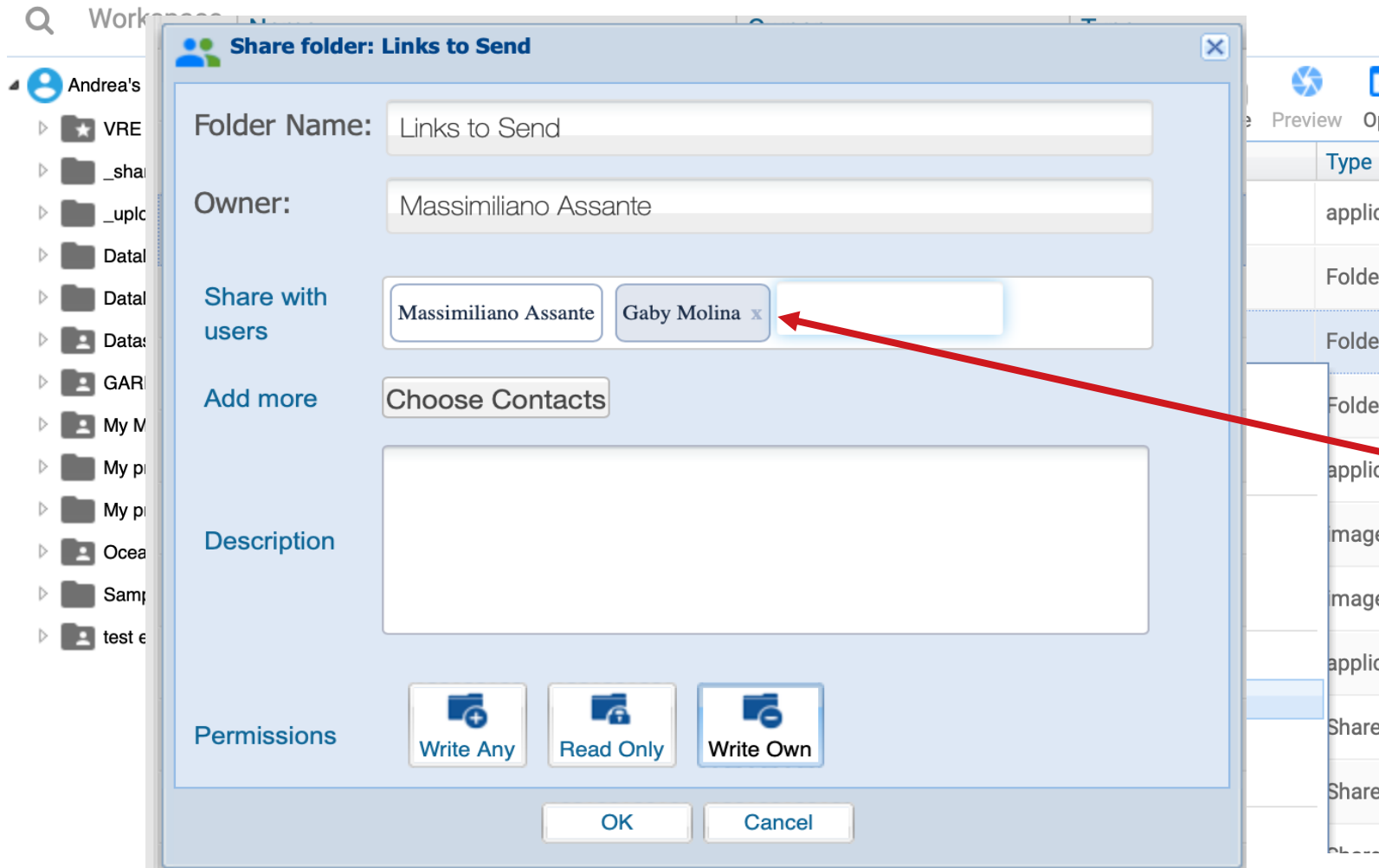


The screenshot shows a workspace interface with a sidebar on the left and a main content area. The sidebar lists folders under 'Andrea's workspace', including 'VRE Folders', '\_shared attachments', '\_uploaded\_forms', 'DataMiner', 'DataMinerTest', 'Datasets', 'GARR\_Workshop', 'My Methods', 'My private folder 1', 'My private folder 2', 'OceanographyCourse', 'Sample Reports and Templates', and 'test email 4 apr'. The main content area shows a table of items with columns for Name, Owner, and Type. The folder 'Sample Reports and Templates' is selected, and a context menu is open over it. The menu items are: Get Info, Get Folder Link, History, New Folder, New Shared Folder, New Url, Move, UnShare (highlighted), Rename Item, Delete Item, and Upload File/s. A red arrow points from the text 'Right-click on a shared folder and select UnShare' to the 'UnShare' option in the menu.

Name	Owner	Type
Grant Agreement-675680-Blu		lic
My private folder 2		der
Sample Reports and Templat		der
DataMinerTest		der
share-updates-2.3.0-4.3.0.wa		lic
Screen Shot 2016-07-21 at 14		ge
massi.jpg		ge
Agenda 2nd TCom meeting 2		lic
Datasets		are
test email 4 apr		are
GARR Workshoo		...

Right-click on a shared folder and select **UnShare**

# Removing users from sharing list



Right click, select **Share**  
and click on the **X**  
sign near a user's  
name

# Sharing Links

- An HTTP link that opens the Workspace App showing the item directly (file or folder)

Shareable  
Link



Get Link

- An HTTP link giving direct download access to the file to whoever has the link

Public Link



Public Link

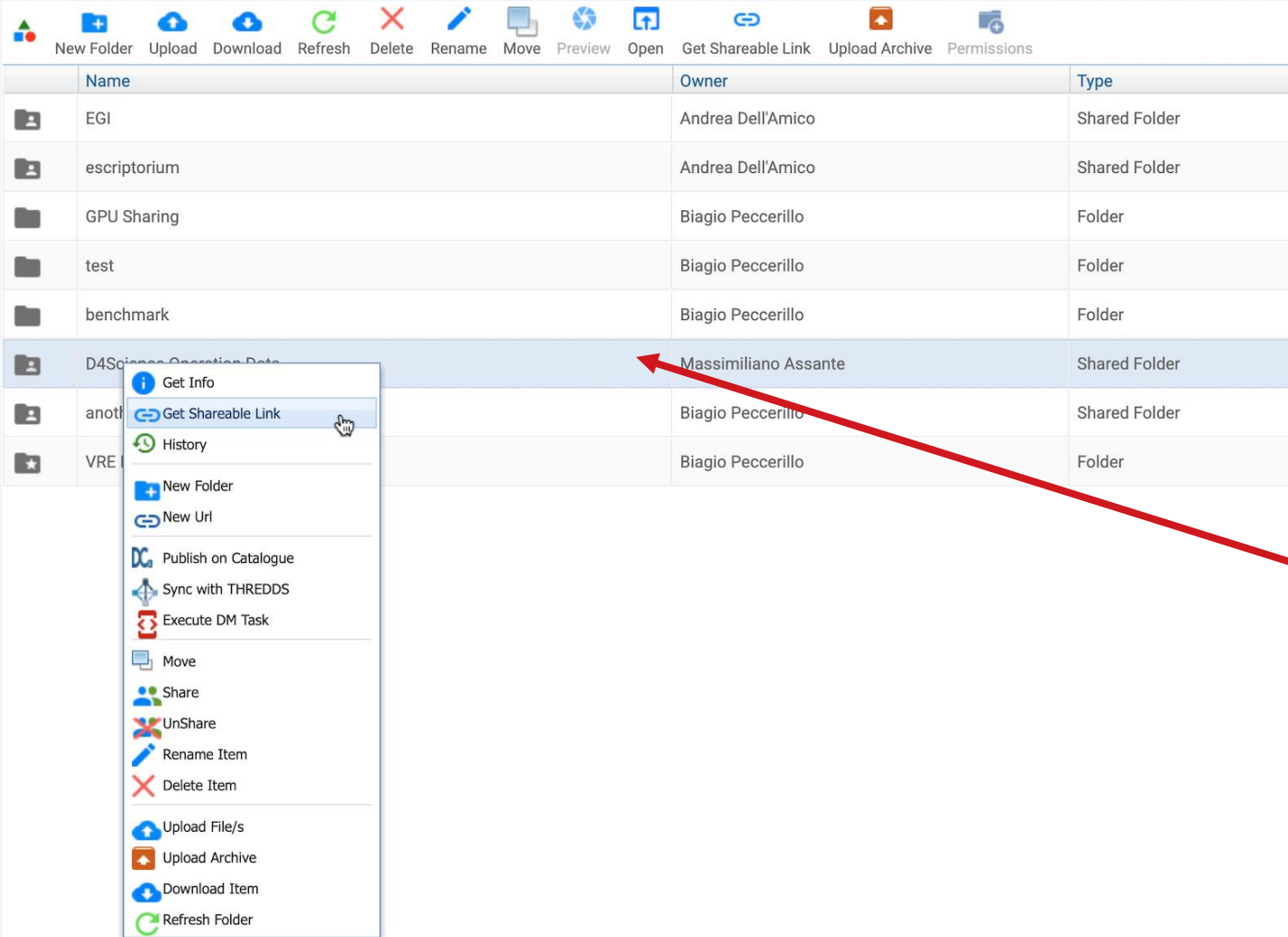
- An HTTP link giving possibility to browse and directly download the files in the folder

Folder Link



Folder Link

# Sharing Links



The screenshot shows a file management interface with a toolbar at the top containing icons for New Folder, Upload, Download, Refresh, Delete, Rename, Move, Preview, Open, Get Shareable Link, Upload Archive, and Permissions. Below the toolbar is a table with columns for Name, Owner, and Type. The table lists several folders, including 'D4Science Operation Data' which is highlighted in blue. A context menu is open over this folder, with 'Get Shareable Link' selected. A red arrow points from the text 'Right click, select Get Shareable Link' to the 'Get Shareable Link' option in the menu.

Name	Owner	Type
EGI	Andrea Dell'Amico	Shared Folder
escriptorium	Andrea Dell'Amico	Shared Folder
GPU Sharing	Biagio Peccerillo	Folder
test	Biagio Peccerillo	Folder
benchmark	Biagio Peccerillo	Folder
D4Science Operation Data	Massimiliano Assante	Shared Folder
another	Biagio Peccerillo	Shared Folder
VRE	Biagio Peccerillo	Folder

- Get Info
- Get Shareable Link**
- History
- New Folder
- New Url
- Publish on Catalogue
- Sync with THREDDS
- Execute DM Task
- Move
- Share
- UnShare
- Rename Item
- Delete Item
- Upload File/s
- Upload Archive
- Download Item
- Refresh Folder

Right click, select **Get Shareable Link**

# Folder Link Example



Order by ▾

DECO activities

	<b>Presentations</b> 24 Jun 03:36 PM 2019	efavilli	⋮
	<b>Seminars Docc</b> 02 Jul 03:02 PM 2019	silviarolandi	⋮

Powered by [gCube](#) and [D4Science](#)

4. Generate a **private shareable link** and share it with your working group via VRE messages
5. Make "{your name} training data" a **Public Folder** via **Shareable Link**
  1. Generate the public link and share it via VRE messages
6. Select the folder and click on **Get Info** to read its details
7. Click on **Download** to download a zip file containing the folder content
8. Make the folder "{your name} training data" private via **Shareable Link**
  1. Once the folder is private, use the **Get Info** option

# History

Workspace > VRE Folders > DESIRA\_Project > Deliverables

Luca's workspace

- VRE Folders
  - AGINFRAplus
  - AGINFRAplusDev
  - AnalyticsLab
  - AquacultureAtlasGeneration
  - ARIADNEplus\_Project
  - Arianna
  - BiodiversityLab
  - BiOnym
  - BlueBridgeProject
  - CityOfCitizens
  - CollabResearch
  - D4STeam
  - DEMETER\_trial
  - DESIRA\_CoordinationManagement
  - DESIRA\_Project
    - DECO activities
    - Deliverables
    - Description of Work
    - Mailing Lists
    - Materials
    - Meetings
    - Work Packages

File Actions: New Folder, Upload, Download, Refresh, Delete, Rename, Move, Preview, Open, Get Link, Public Link, Folder Link, Upload Archive, Permissions

Name	Owner	Type	Last Update	Size
D 8.1 Ethics requirement No. 1.pdf	Elena Favilli	application/pdf	28 Jun 04:06 PM 2019	117 KB

**Accounting history of: 2019 09 DESIRA kick-off\_Info for partners.docx**

Description	Operation	Author	Date
<b>Operation: Created (1 Item)</b>			
2019 09 DESIRA kick-off_Info for partners.d...	Created	Elena Favilli	Mon Jul 15 16:30:40 GM...
<b>Operation: Read (40 Items)</b>			
2019 09 DESIRA kick-off_Info for partners.d...	Read	Gianluca Brunori	Tue Jul 16 10:26:00 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Panagiota Koltsida	Tue Jul 16 10:55:49 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Joost Dessen	Tue Jul 16 12:05:31 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	guest	Tue Jul 16 15:18:15 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Elena Favilli	Tue Jul 16 15:34:25 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Joost Dessen	Tue Jul 16 15:34:52 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Luca Frosini	Tue Jul 16 17:05:41 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Luca Frosini	Tue Jul 16 17:07:50 GMT...
2019 09 DESIRA kick-off_Info for partners.d...	Read	Anabel Nava	Wed Jul 17 10:14:04 GM...



# History

🌐 Every item (file or folder) has the whole operation history available

🌐 Three possible operations:

- CREATE
- READ
- UPDATE

🌐 This is particularly useful for **shared items**, as every user can see all the operations performed by other users

# Versioning

Workspace > VRE Folders > DESIRA\_Project > Deliverables

Luca's workspace

- VRE Folders
  - AGINFRAplus
  - AGINFRAplusDev
  - AnalyticsLab
  - AquacultureAtlasGeneration
  - ARIADNEplus\_Project
  - Arianna
  - BiodiversityLab
  - BiOnym
  - BlueBridgeProject
  - CityOfCitizens
  - CollabResearch
  - D4STeam
  - DEMETER\_trial
  - DESIRA\_CoordinationManagement
  - DESIRA\_Project
    - DECO activities
    - Deliverables**
    - Description of Work
    - Mailing Lists
    - Materials
    - Meetings
    - Work Packages

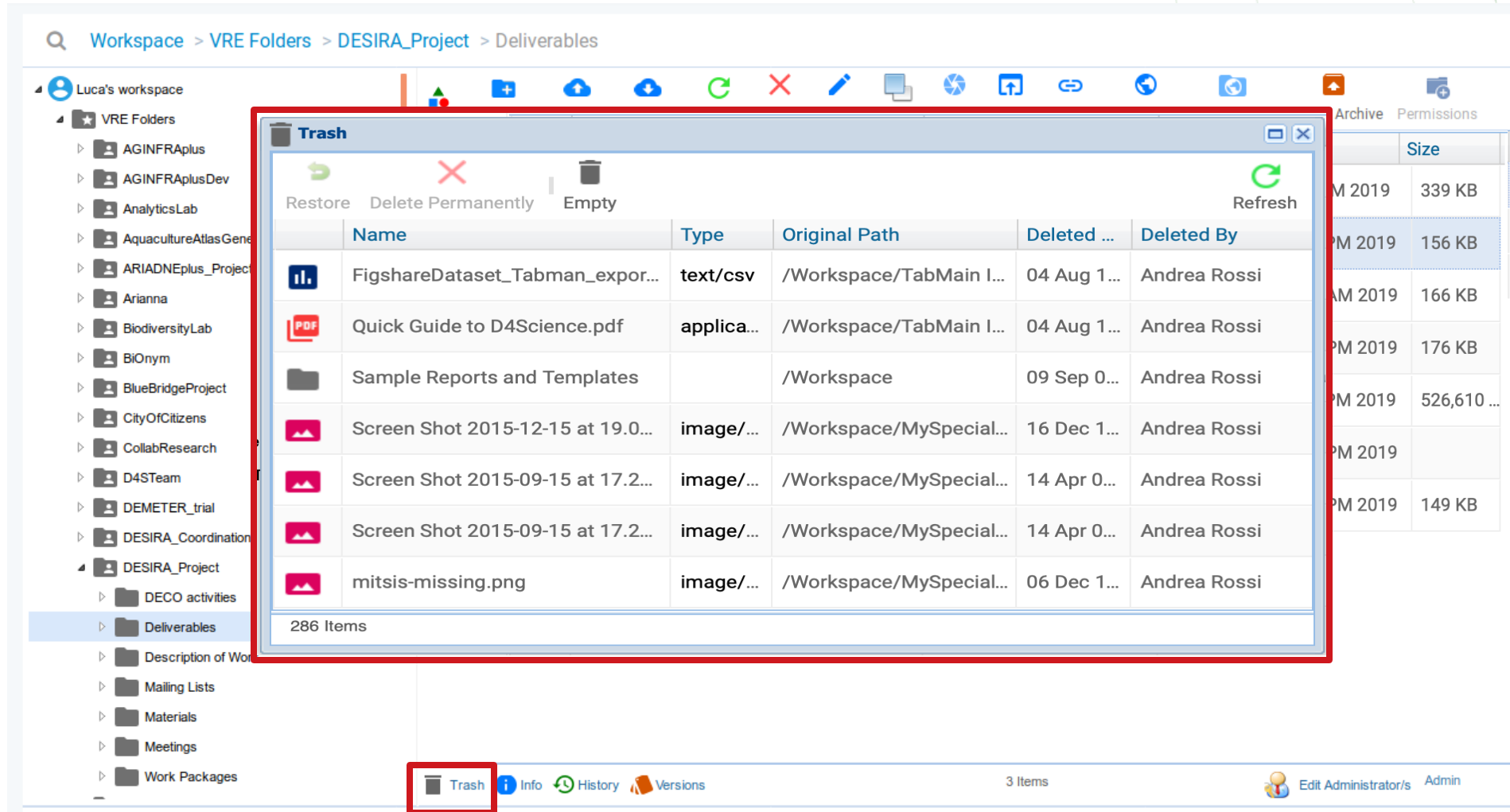
Name	Owner	Type	Last Update	Size
D 8.1 Ethics requirement No. 1.pdf	Elena Favilli	application/pdf	28 Jun 04:06 PM 2019	117 KB
Practice Abstracts	Elena Favilli	Folder	10 Jul 02:54 PM 2019	
Draft Deliverables	Luca Frosini	Folder	11 Jul 08:17 AM 2019	

Trash Info History Versions 3 Items Edit Administrator/s Admin

Every time a file with the same name is uploaded, a new version is created

All the versions are maintained and can be retrieved anytime

# Trash Bin



Workspace > VRE Folders > DESIRA\_Project > Deliverables

Luca's workspace

- VRE Folders
  - AGINFRAplus
  - AGINFRAplusDev
  - AnalyticsLab
  - AquacultureAtlasGene
  - ARIADNEplus\_Project
  - Arianna
  - BiodiversityLab
  - BIOnym
  - BlueBridgeProject
  - CityOfCitizens
  - CollabResearch
  - D4STeam
  - DEMETER\_trial
  - DESIRA\_Coordination
  - DESIRA\_Project
    - DECO activities
    - Deliverables
    - Description of Work
    - Mailing Lists
    - Materials
    - Meetings
    - Work Packages

**Trash**

Restore Delete Permanently Empty Refresh

Name	Type	Original Path	Deleted ...	Deleted By
FigshareDataset_Tabman_expor...	text/csv	/Workspace/TabMain I...	04 Aug 1...	Andrea Rossi
Quick Guide to D4Science.pdf	applica...	/Workspace/TabMain I...	04 Aug 1...	Andrea Rossi
Sample Reports and Templates		/Workspace	09 Sep 0...	Andrea Rossi
Screen Shot 2015-12-15 at 19.0...	image/...	/Workspace/MySpecial...	16 Dec 1...	Andrea Rossi
Screen Shot 2015-09-15 at 17.2...	image/...	/Workspace/MySpecial...	14 Apr 0...	Andrea Rossi
Screen Shot 2015-09-15 at 17.2...	image/...	/Workspace/MySpecial...	14 Apr 0...	Andrea Rossi
mitsis-missing.png	image/...	/Workspace/MySpecial...	06 Dec 1...	Andrea Rossi

286 Items

Trash Info History Versions 3 Items Edit Administrator/s Admin

Deleted files and folders go in the Trash Bin where they can be restored or deleted permanently

9. Create a file named "My training document.doc/txt" on your laptop, add the content "My note 1" and upload it into "{your name} training data"
10. Update the text file by changing its content into "My note 2", then re-upload it into the same folder
11. Select "My training document.doc/txt" and click on **Versions**: you will notice that **2** versions have been created
  1. Download **Version 1.0** and open it on your laptop
12. Select your text file and click on **History**: you will notice that the file has been created and updated



# THANKS!

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