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RSpace: An electronic lab notebook that supports open science *and* protects IP for commercialisation

Openness and commercialization event

4 December, 2020

About RSpace

An '**electronic lab notebook**' used in life sciences and related fields to document research and manage data.

Early engagement with Wisconsin, Edinburgh, Goettingen and Harvard led to focus on openness and connectivity with other tools and resources . . .

Enabling RSpace to act as a **digital data hub** and a **conduit to data repositories**, furthering FAIR principles.

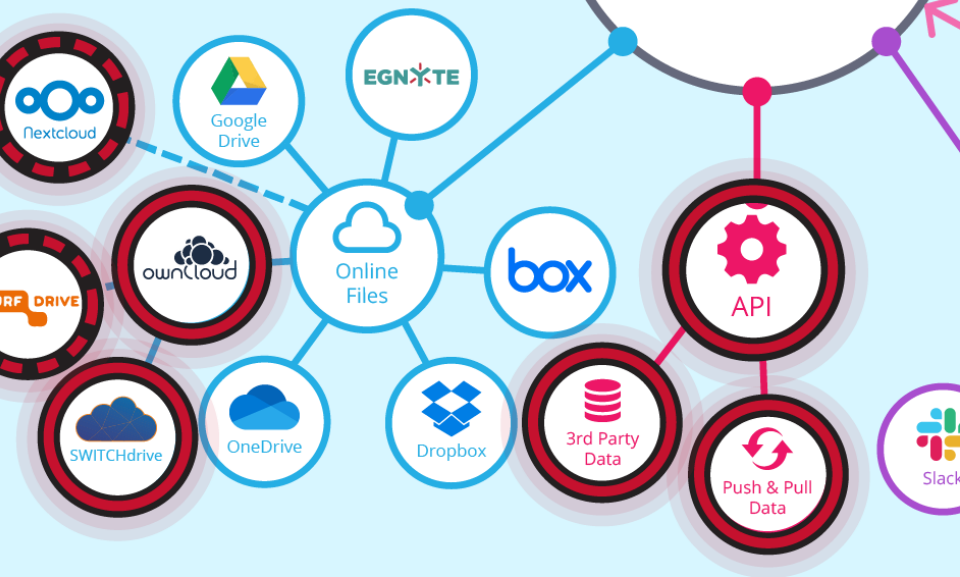
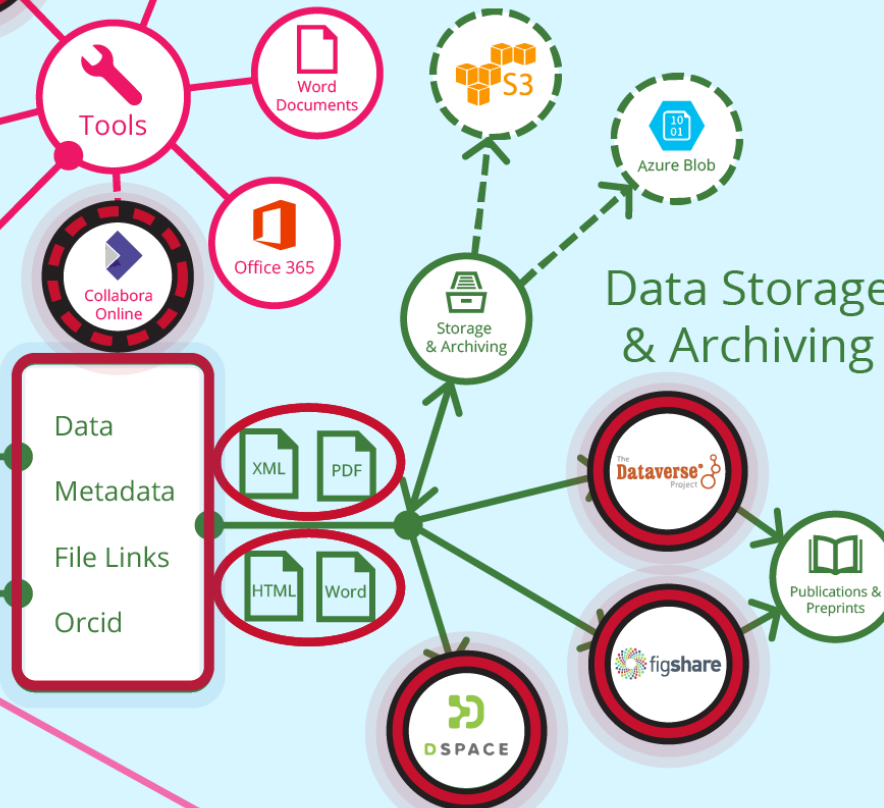
RSpace

and its ecosystem

Data & Files

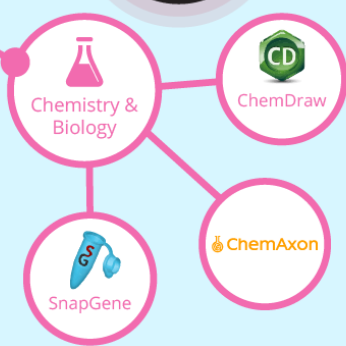


Data Storage & Archiving



Data
Metadata
File Links
Orcid

XML PDF
HTML Word



About Research Space

Initial focus on universities and research institutes

Active engagement with open science community and research data managers

Biggest market is Germany (**Goettingen, Bonn, Leibniz Institutes**), other European countries (**TU Delft, EPFL**) and US (**Harvard**)

Growing uptake by **biotechs** worldwide



**EUROPEAN OPEN
SCIENCE CLOUD**

Marketplace

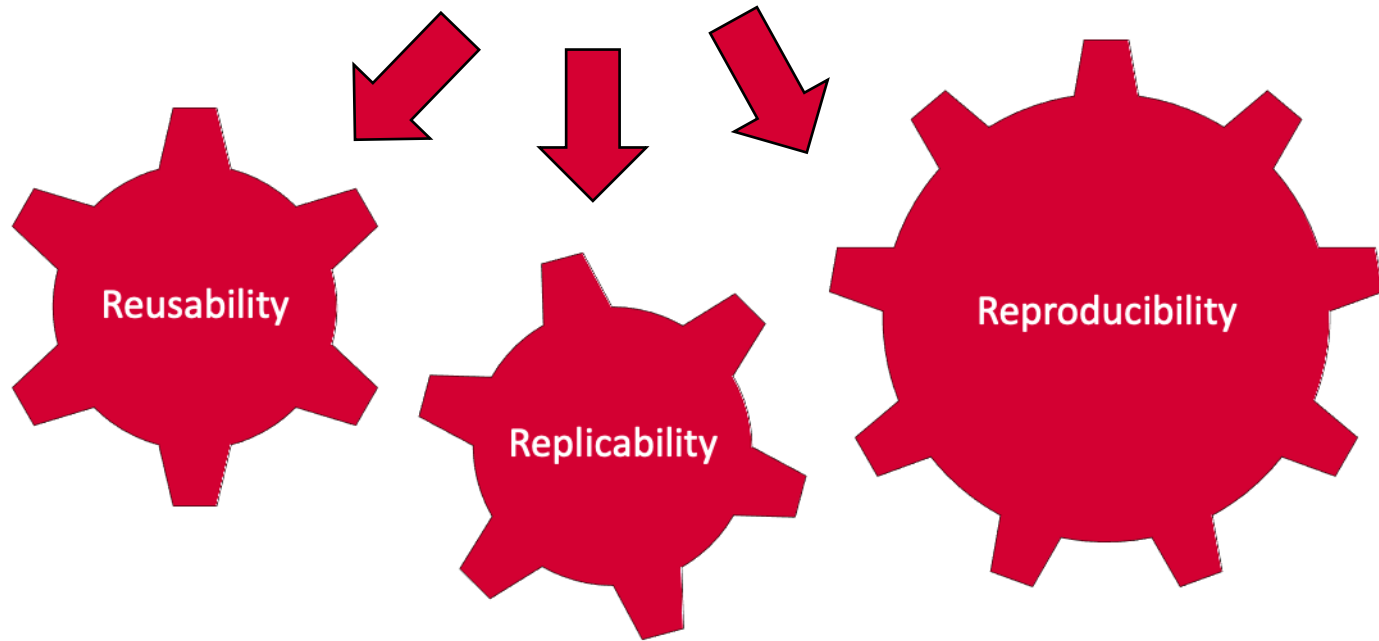
ESFRI cluster projects (e.g. EOSC-Life)

Integrations with other tools in EOSC (Dataverse repository)

**Leveraging existing platform integrations
(SWITCHdrive, SURFdrive)**

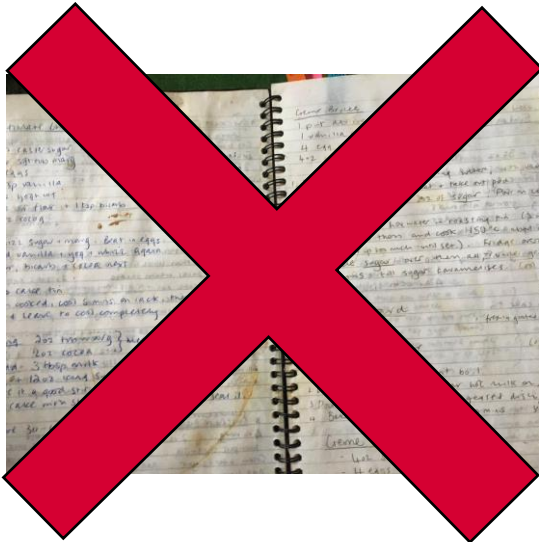


RRR with RSpace



FAIR

findable, accessible, interoperable, reusable



The screenshot displays the RSpace Community workspace. The left sidebar shows a file tree with folders like 'Cell_line_information_RM', 'UCL_RRM_Molecular_biology_PIK3...', and '03b_Pi3Ka_Activator_Characterisation'. Under 'TIRF_imaging', a file '2020-11-04_SD962595_Pi3K...' is selected. The main editor area shows a document titled 'Home / 03b_Pi3Ka_Activator_Characterisation / TIRF_imaging / 2020-11-04_SD962595_Pi3K_pathway_inhibitor_testing_PIP3_reporter_HeLa_WB'. The document content includes a paragraph: 'reporter levels are unaffected by GDC0941 used at 1 uM, however by WB a near-complete ablation of pAKT was seen. Nevertheless, the WB was performed in HeLas that had not been perturbed by transfection (FP-tagged paxillin + PIP3 reporter), nor were they seeded in wells coated with Matrigel, all conditions that have been used for TIRF imaging experiments. Previous experiments:'. Below this, there are two links: 'SD898976: 2020-09-20_SD898976_HeLa_PIP3_paxillin_FBS_experiment' and 'SD907653: 2020-09-25 SD907653 HeLa PIP3 paxillin FBS experiment repeat'. The interface includes a top navigation bar with 'Workspace', 'Gallery', 'Messaging', 'Apps', and 'My RSpace'. A blue toolbar contains 'SAVE', 'CANCEL', and other icons. A green checkmark is overlaid on the top right of the interface.

Open Science: transparency & collaboration

Deleted Items Shared Documents Auditing Export - Import

By document or user

Unique ID	Shared with	Shared date	Permission	Options
SD981105	Daniele	2020-11-17 17:49	READ	Unshare
SD782210	Daniele	2020-11-15 19:28	READ	Unshare
SD969816	Daniele	2020-11-10 18:37	EDIT	Unshare
SD969816	Salome	2020-11-10 18:37	READ	Unshare
SD852597	Salome	2020-11-10 12:50	READ	Unshare
SD949224	Salome	2020-11-06 20:45	READ	Unshare
SD536261	Salome	2020-11-06 20:45	READ	Unshare

Info

Name: treatments_doxycycline_BYL719_SD99C
Unique Id: [GL991408](#)
Type: Document
Path: /Gallery/Documents/treatments_doxycyc
Version: 1
File size: 11.11 kB
Owner: Ralitsa Madsen
Creation Date: 2020-11-23 15:42
Last Modified: 2020-11-23 15:42
Caption:

Open in Excel

Unique ID: [SD990376](#)

Show last modified date

RSpace COMMUNITY

Workspace Gallery M

All Protocols Chemistry Files and D

Publications **Repositories** Sample Management

protocols.io **ENABLED**

ChemAxon **DISABLED**

ENABLED

box **DISABLED**

OneDrive **DISABLED**

DISABLED

As open as possible, as closed as necessary



Record Research Results

Record research in a patentable and 21 CFR 11 compliant way



Monitor Research Progress

Keep track of what the research team is doing



Selectively Share Data

Share data in a controlled fashion with academic and commercial collaborators, investors, lawyers, and regulators