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

- Voice Data
- Spectrometer
- Lab Instrument Data
- Lab File Stores
- Institutional File Stores

Tools

- Mendeley
- protocol.io
- eCAT
- Collabora Online
- Office 365
- S3
- Azure Blob

Data Storage & Archiving

- Dataverse
- Figshare
- DSpace
- Publications & Preprints

RSpace

Collect, organize, share data
Document experiments
Add metadata

Data
Metadata
File Links
Orcid

API

Online Files

- Nextcloud
- Google Drive
- EGNxTE
- Owncloud
- Box
- Cloud Operations
- OneDrive
- Dropbox
- 3rd Party Data
- Push & Pull Data

Collaboration Tools

- Slack
- GitHub
- Teams
- Ti
- T

Chemistry & Biology

- ChemDraw
- ChemAxon
- SnapGene

SOFTWARE
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
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

- Reusability
- Replicability
- Reproducibility
FAIR
findable, accessible, interoperable, reusable
Open Science: transparency & collaboration
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