CS3 MESH4 EOSC

Connecting European Data

Science Mesh

Democratising FAIRness by adding metadata to a storage platform researchers love to use

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Guido Aben, OSFair, 22 Sept 2021

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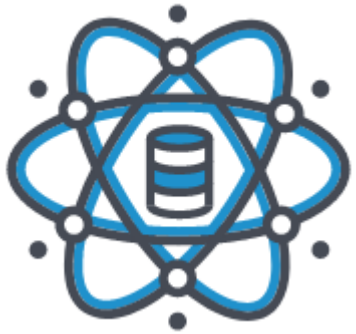
The inaugural set of common-architecture add-ons



Data Science Environments

Open Data Systems

Collaborative Documents

On demand large dataset transfer

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source: https://guides.library.ucsc.edu/datamanagement/

Problem

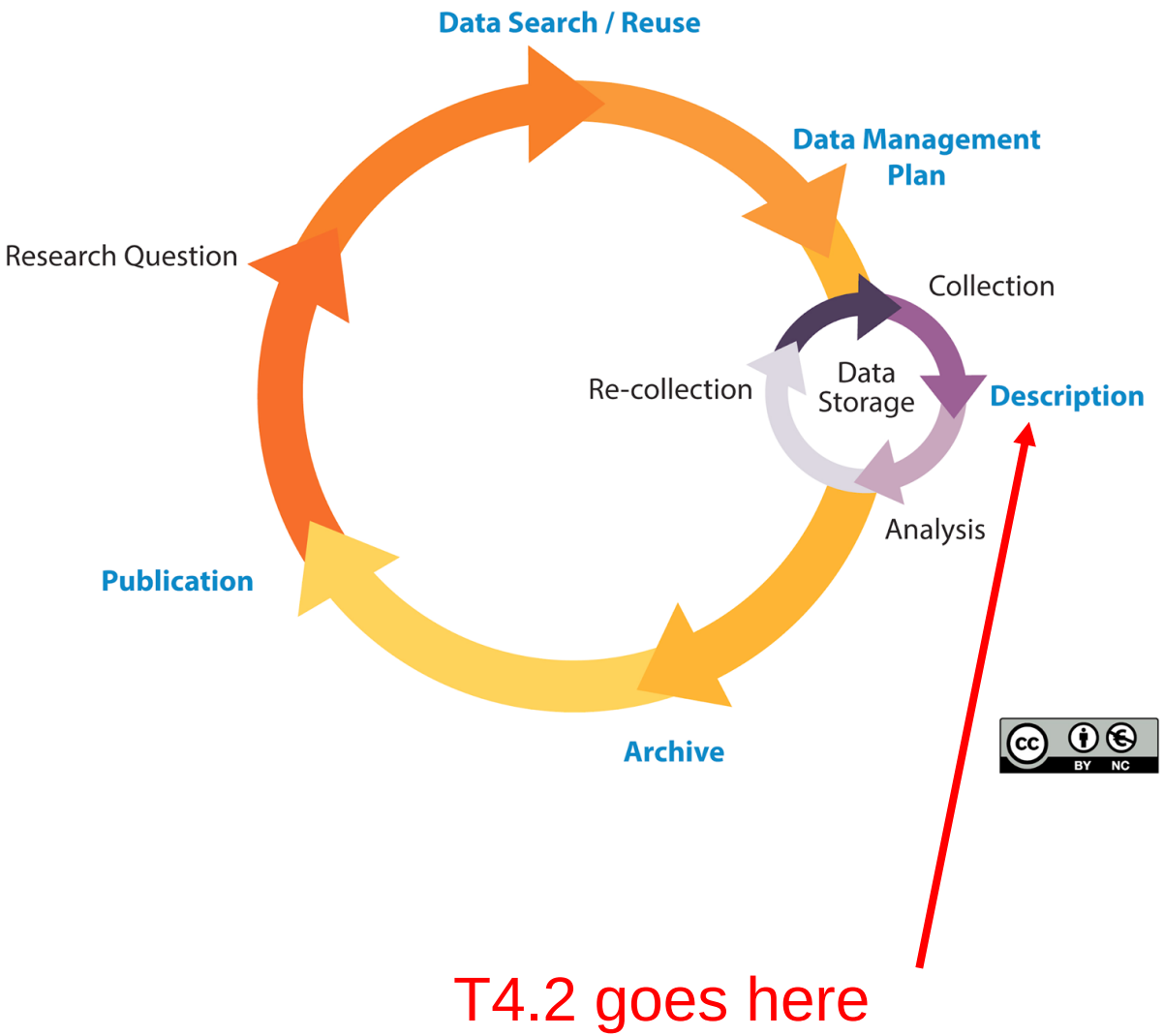
Research projects don't always involve work practices that describe the data generated so that it meets the FAIR principles.

Opportunity

The Science Mesh is full of live data, freshly gathered

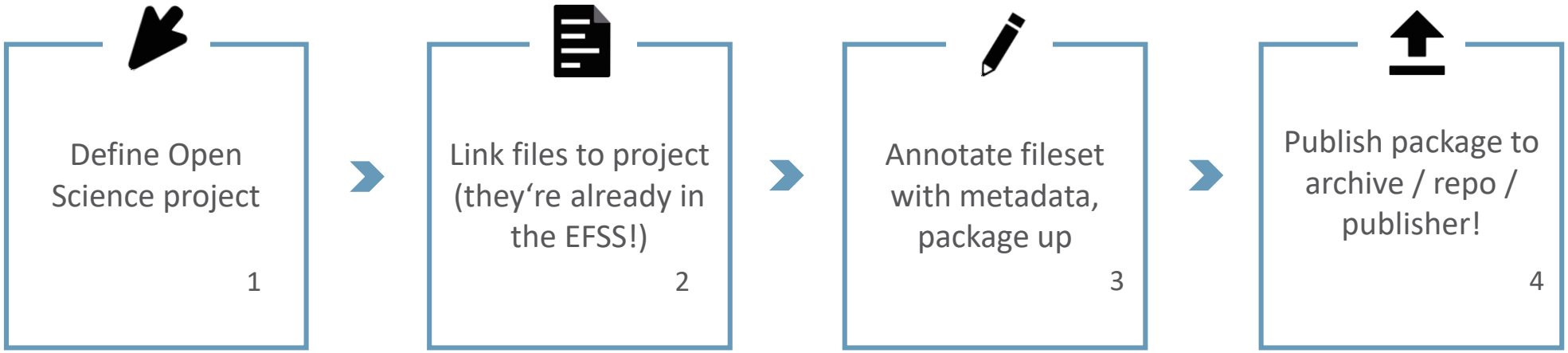
Solution

Offer data description tools on top of the EFSS – let users annotate as it's being created using open standards and tools



So we have an EFSS full of live research data – how can we get more value out of that?

FAIR and Open Science seem tantalisingly close!



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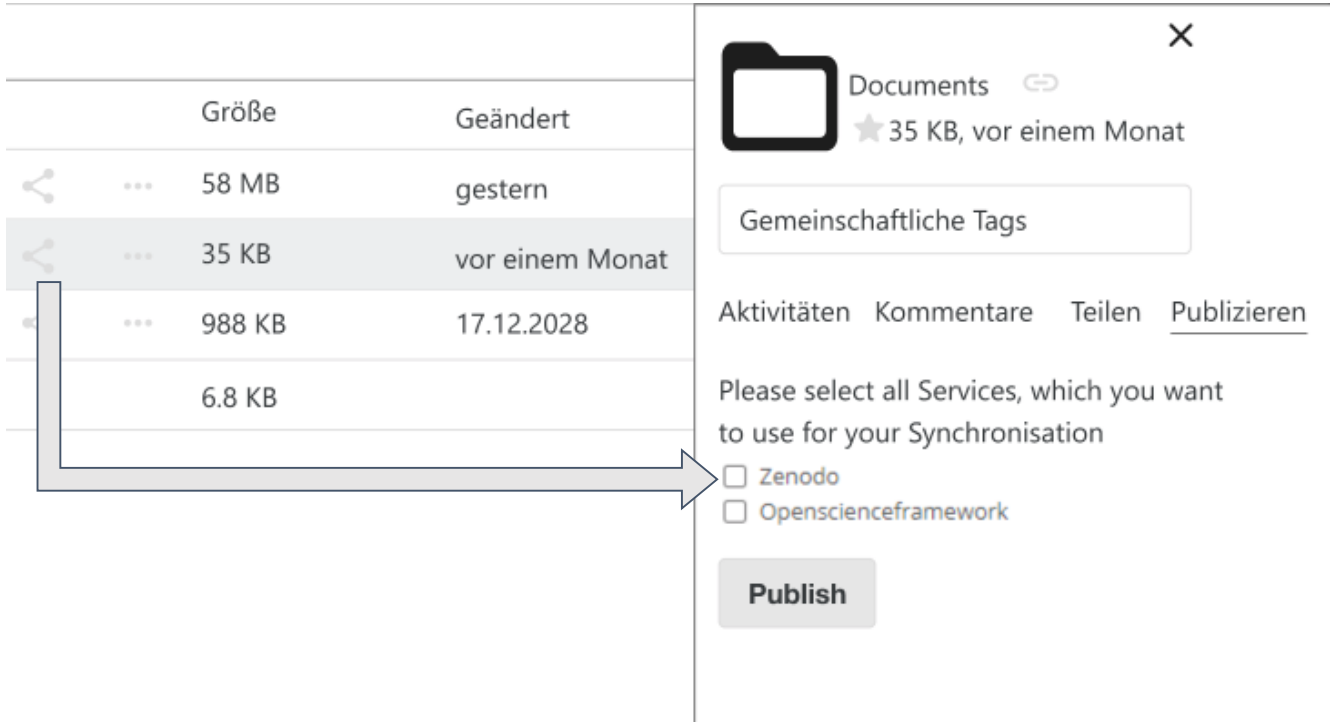
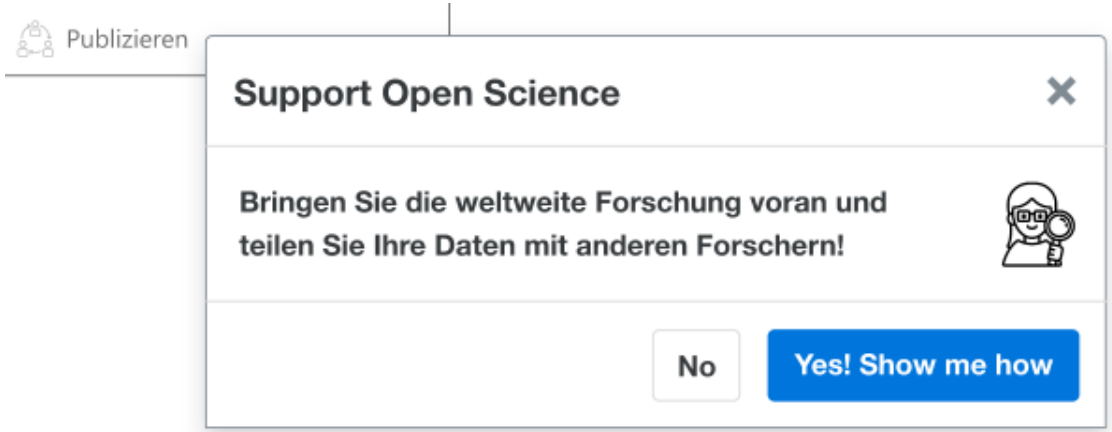
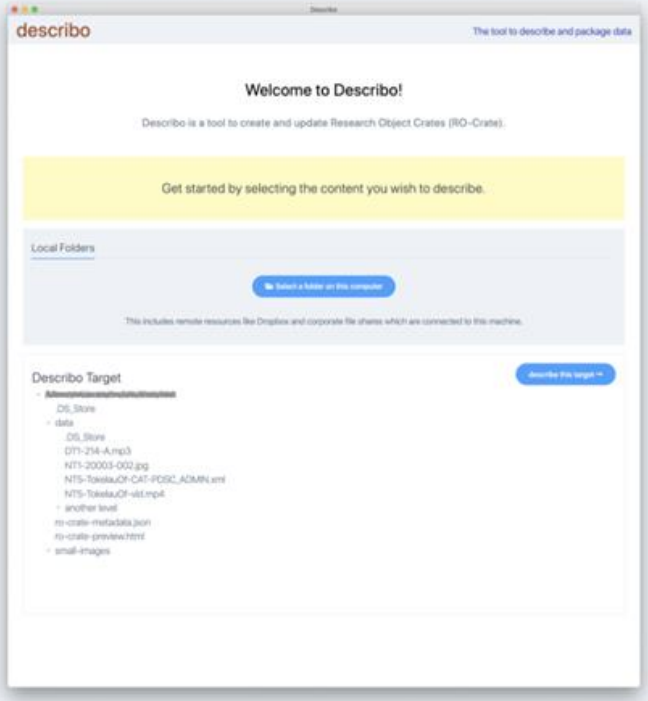
ScieboRDS – starting a Project – User Interface & Digital Nudging Example



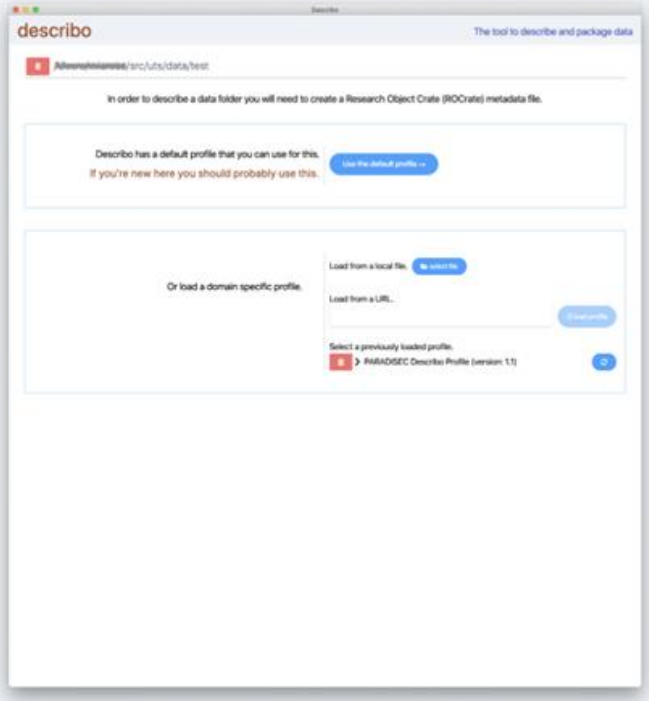


Describo The tool to describe and package data.

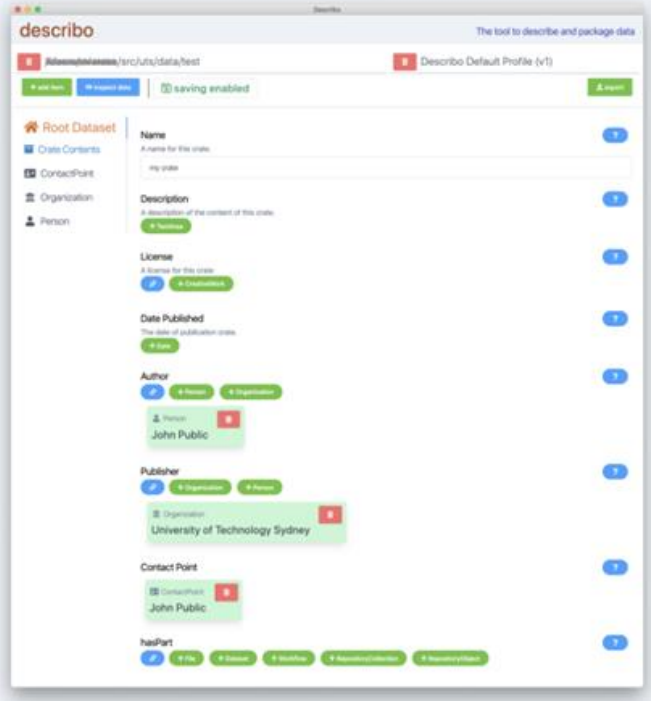
Describo is a tool to create and update Research Object Crates (RO-Crate)



Select a folder to describe.



Select a profile.



Describe your data.

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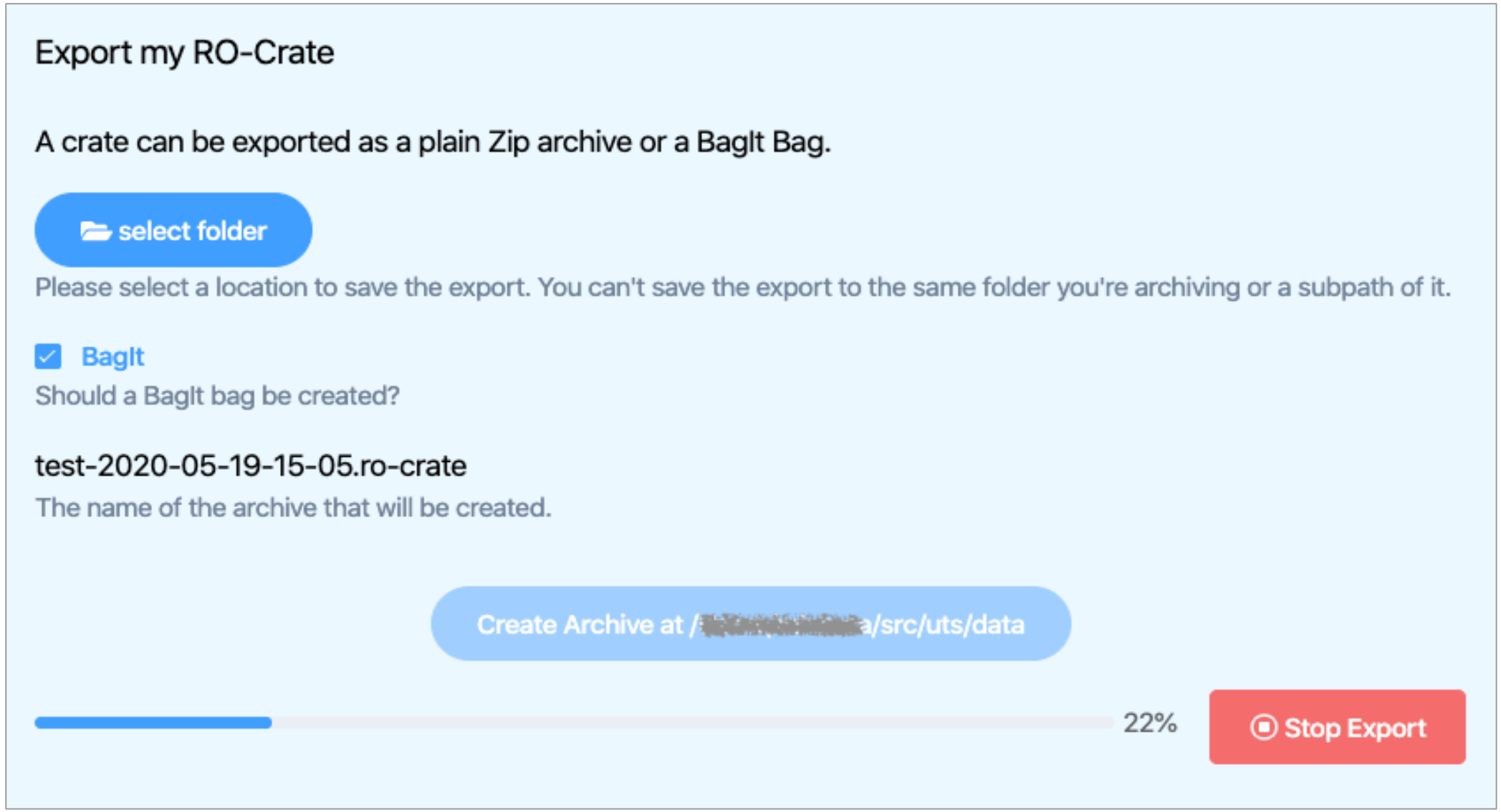
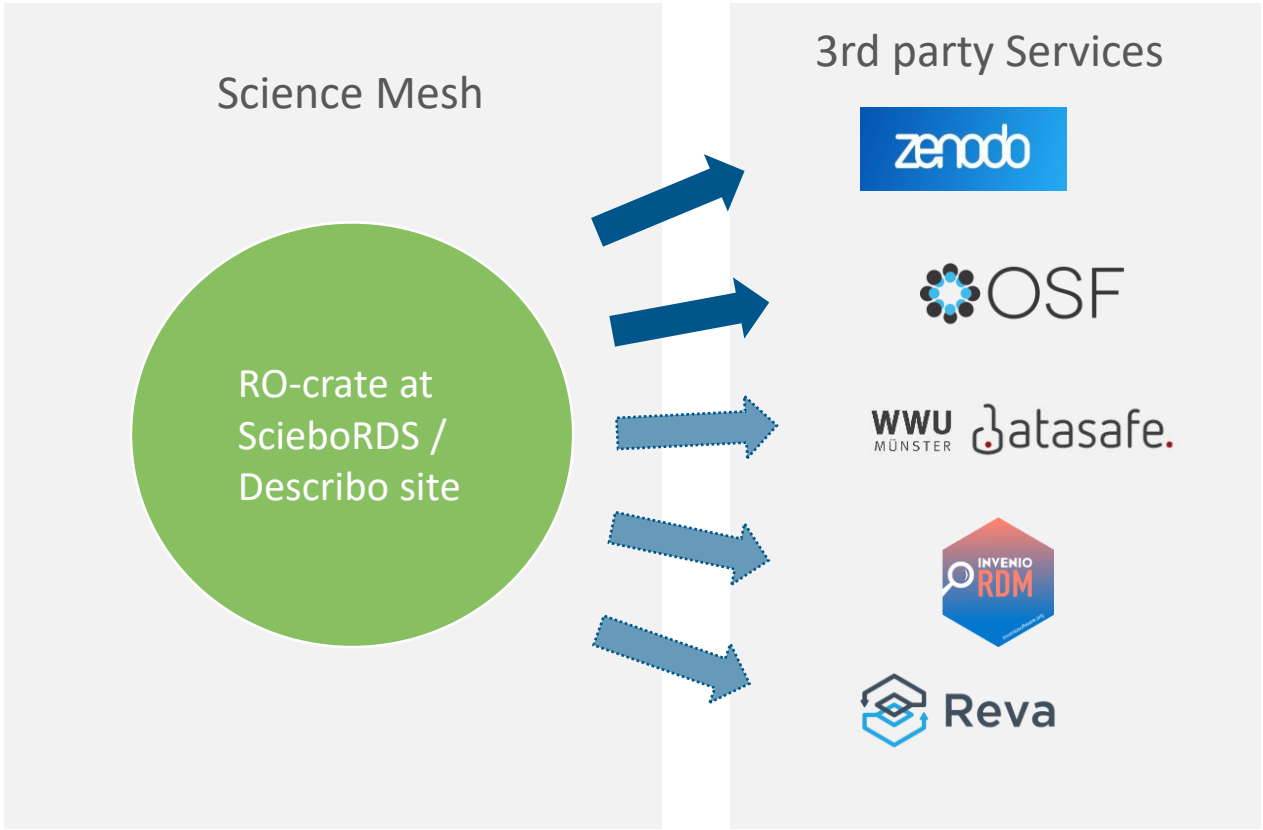
Describo - save / export



And finally, help users export (publish/archive/etc) their RO-crate to 3rd party services



Connectors already delivered

Planned connectors

https://sciencemesh.io

https://gitter.im/sciencemesh/community

https://github.com/sciencemesh