

EOSC Early Adopter Programme Call
1 Reporting meeting
(25/02/2021)

STARS⁴ALL

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STARS4ALL and EOSC-Hub

- Make their infrastructure more robust
 - Hosting services to mirror/backup the essential data aggregation and management components
- Improve discoverability of their project & data via
 - B2FIND, B2SHARE
 - GEOSS platform
- Improve data management practices
 - Deposit also secondary and tertiary data e.g. analysis, publications
 - Introduce Research Objects or Resource bundles for related primary, secondary and tertiary data combine and them with organizational information
 - Use of PIDs for sensors and Resource Objects
- Improve usability of their data
 - Actionability of the research object links when displayed in B2FIND and B2SHARE
- Use of Jupyter Notebooks for analyzing observation data directly from Zenodo and B2SHARE

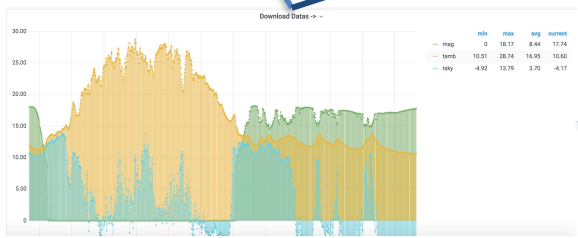
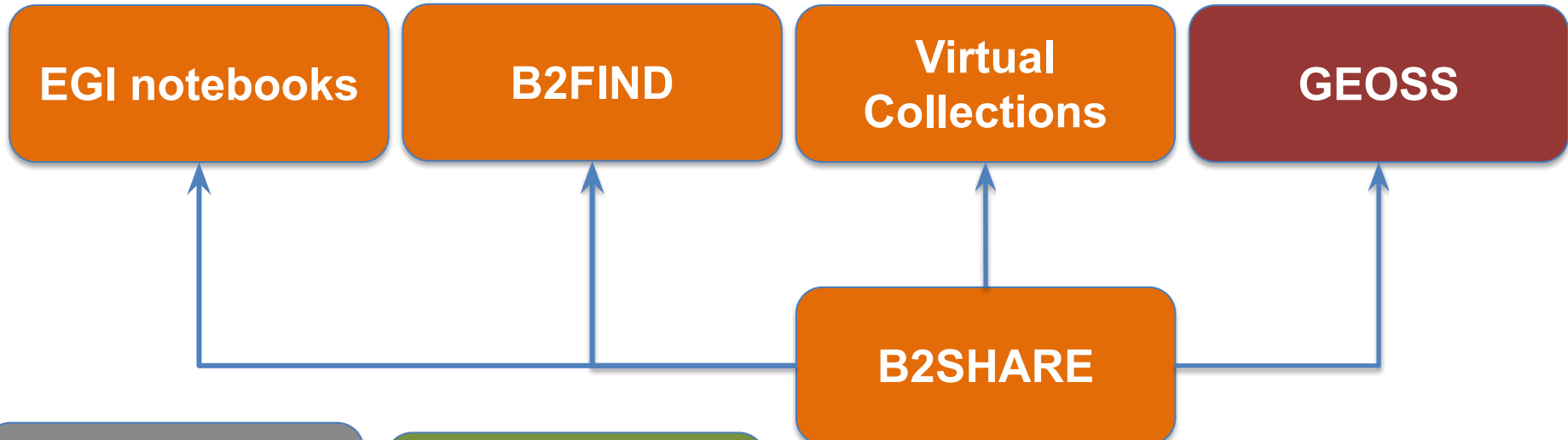
STARS4ALL EAP Planning

Q1	<ul style="list-style-type: none">- Metadata schema for data and research objects- Implementation of metadata schema in B2SHARE- data analysis JN with access to B2SHARE & Zenodo- PIDs for instruments	OK TEST ENVIRONMENT IN PROGRESS ANALYZED
Q2	<ul style="list-style-type: none">- RO Metadata harvesting by B2FIND- RO Metadata harvesting by GEOSS portal- Conversion existing data-sets	TESTED ¹ TESTED ² OK
Q3	<ul style="list-style-type: none">- HVA STARS4ALL data infrastructure by mirroring all components	OK
Q4	<ul style="list-style-type: none">- checks & testing, writing documentation	IN PROGRESS

¹ Waiting deployment of community schema on B2SHARE (scheduled end of Feb - early March).

² Problems found with the communication between B2SHARE and GEOSS. This task can't be carried out during the lifetime of the pilot.

Services tested



Completed
In Progress
Problems
Not Used

B2SHARE

- New release scheduled for end of Feb or early March
 - Changes in core and STARS4ALL schemas
- Quote to use their service in the future requested (future modifications on community schema).
- We have not received the SLA.
- Lessons learned:
 - New models to publish datasets oriented to instruments.
 - A community metadata schema has a lot of potential but it is not flexible to integrate with other EOSC services (interoperability).

GEOSS

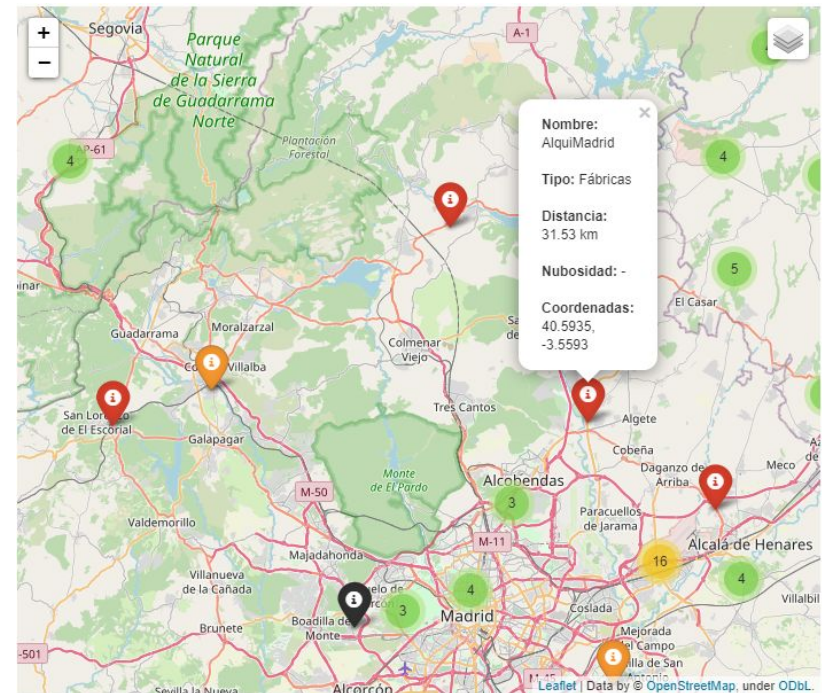
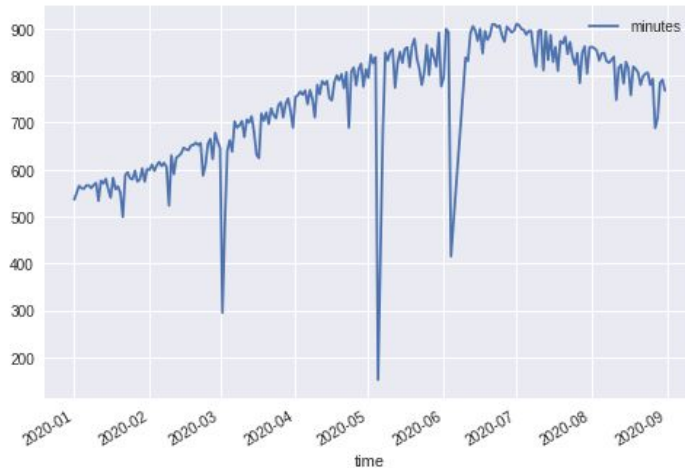
- Incompatibilities detected between B2SHARE and GEOSS due to required metadata fields (geographical information).
- This task can not be completed at the end of the pilot period
- Lessons learned:
 - The need of an interoperability framework to integrate EOSC services.

IDENTIFIERS

- Objective: Generates PIDs with our own prefix
- EPIC-Surfsara handle services.
 - Generation of prefixes for our identifiers
 - API tested -> Good results!
 - Unfortunately, we can't afford the prices of the service
- Alternatives
 - B2Inst
 - Interesting service to register instruments
 - Generates its own identifiers. It seems not flexible with configuring resolving identifiers.
 - Create our own handle service
 - We will consider this option for the future
- Lessons learned:
 - The need of a free handle service for prefixes or the integration of this service in general purpose repositories like B2SHARE

EGI NOTEBOOKS

- We are still producing notebooks
- SLA received -> pending of sponsoring



Virtual Collections

- We are testing the use of virtual collections to create and aggregate sets of photometers and integrate these in the STARS4ALL data management
- These networks belong to projects that have been created with National/European funds.
- We have created and published two virtual collections.



<https://collections.clarin.eu/details/1031>



<https://collections.clarin.eu/details/1029>

Next Steps

- Generation of new notebooks
- Deployment of STARS4ALL community schema in B2SHARE production environment.
- Integration with B2FIND (once STARS4ALL metadata schema is deployed in production environment)