

C1. Data Subscription Service

The attributes marked with a * are confidential and should not be disclosed outside the service provider.

Service overview	Data storage providers and applications representing individual users subscribe to data through a well-defined interface Data owner must be able to mark data as subscribe-able Subscriptions are activated by matching notifications																								
Service name	Data Subscription Service																								
Service area	Discovery of data set changes and user notification																								
Service phase	Working Proof of Concept																								
Service description	Discover changed data through notifications that are triggered by data or metadata updates.																								
Customer group	Researchers																								
User group	Researchers																								
Value	Enlarge the number of users than can use data services without wasting expensive research times checking for changed data sets																								
Tagline	Discover change data sets through data or metadata changes																								
Features																									
Service options	<table><thead><tr><th>Option</th><th>Name</th><th>Description</th><th>Attributes</th><th></th></tr></thead><tbody><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td></tr></tbody></table>					Option	Name	Description	Attributes		1					2					3				
Option	Name	Description	Attributes																						
1																									
2																									
3																									
Access policies																									
Service management information																									
Service owner *	EUDAT operated by CSC - IT Center for Science																								
Contact (internal) *	Chris.Ariyo@csc.fi																								
Contact (public)																									
Request workflow *	<pre>graph TD subgraph Developers RI[RI service developers] ES[E-Science application developers] end subgraph Operators EO[E-Infrastructure operators] end RI --> Q1{Automating frequent actions on data (previously) requiring human monitoring of results?} ES --> Q1 Q1 -- Y --> Q2{(Near) Real-time result requirements?} Q2 -- Y --> Q3{Research data objects and actions uniquely identified and resolvable?} Q2 -- N --> Q4{Resources available to integrate a UI to DSS?} Q3 -- Y --> Q4 Q3 -- N --> Q5{Required service portfolio integration feasible?} Q4 -- Y --> Q5 Q4 -- N --> Note[DSS might not be a direct choice for you.] Note -.-> Q1 Note -.-> Q2 Note -.-> Q3 Note -.-> Q4 Note -.-> Q5 EO -.-> Q5 Q5 -- Y --> UseDSS[Use DSS]</pre>																								
Service request list																									
Terms of use																									

SLA(s)																				
Other agreements																				
Support unit																				
User manual																				
Service architecture																				
Service components	<table border="1"> <thead> <tr> <th>#</th> <th>Type</th> <th>Name</th> <th>Description</th> <th>TRL [1]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					#	Type	Name	Description	TRL [1]	1					2				
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1																				
2																				
Finances & resources																				
Payment model(s)																				
Pricing																				
Cost *																				
Revenue stream(s) *																				
Action required																				

[1] Technology Readiness Levels (TRL) are a method of estimating technology maturity of components during the acquisition process. For non-technical components, you can specify "n/a". For technical components, you can select them based on the following definition from the EC:

- **TRL 1** – basic principles observed
- **TRL 2** – technology concept formulated
- **TRL 3** – experimental proof of concept
- **TRL 4** – technology validated in lab
- **TRL 5** – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 6** – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 7** – system prototype demonstration in operational environment
- **TRL 8** – system complete and qualified
- **TRL 9** – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies)