

# C4. Dynamic ecological Information Management System (DEIMS)

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

Service overview																									
Service name	Dynamic Ecological Information Management System - Sites and Dataset Registry (DEIMS-SDR)																								
Service area	Discovery of (meta)data of RIs																								
Service phase	Production																								
Service description	Standardised documentation of research sites, datasets, data products and sensors exposing data through standardised Services (CSW, WFS, WMS, ...)																								
Customer group	Research Infrastructures																								
User group	environmental scientists, RI data managers, data application developers, decision makers																								
Value	Standardised access to a comprehensive database of environmental research sites																								
Tagline	Comprehensive database of environmental research sites																								
Features	site registry, data set registry, range of metadata formats, support of standardised ogc-services																								
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 *	LTER Europe																								
Contact (internal) *	johannes.peterseil@umweltbundesamt.at																								
Contact (public)	<a href="mailto:johannes.peterseil@umweltbundesamt.at">johannes.peterseil@umweltbundesamt.at</a>																								
Request workflow *	<div><pre>graph TD     RIUser[RI user] --&gt; Q1{Observation facilities documented?}     Q1 -- N --&gt; DiscoverSite[Discover Site]     Q1 -- Y --&gt; GetPID[Get persistent identification]     Researcher[Researcher] --&gt; GetPID     DiscoverSite --&gt; NoSDR[DEIMS-SDR not needed]     GetPID --&gt; WillBeChoice[DEIMS-SDR will be the choice for you]     GetPID -- Y --&gt; DocFac[Documentation of observation facility]     DocFac -- Y --&gt; Q2{Datasets documented?}     Q2 -- Y --&gt; DiscoverDataset[Discover Dataset]     DocFac --&gt; UseDEIMS[Use DEIMS-SDR]     DiscoverDataset --&gt; UseDEIMS</pre></div>																								
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				
#	Type	Name	Description	TRL [1]																
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)