



European Reference Data Management System (ERDMS2)

Current status

Presented By

Java 1 Team - MOVE (SRD2)

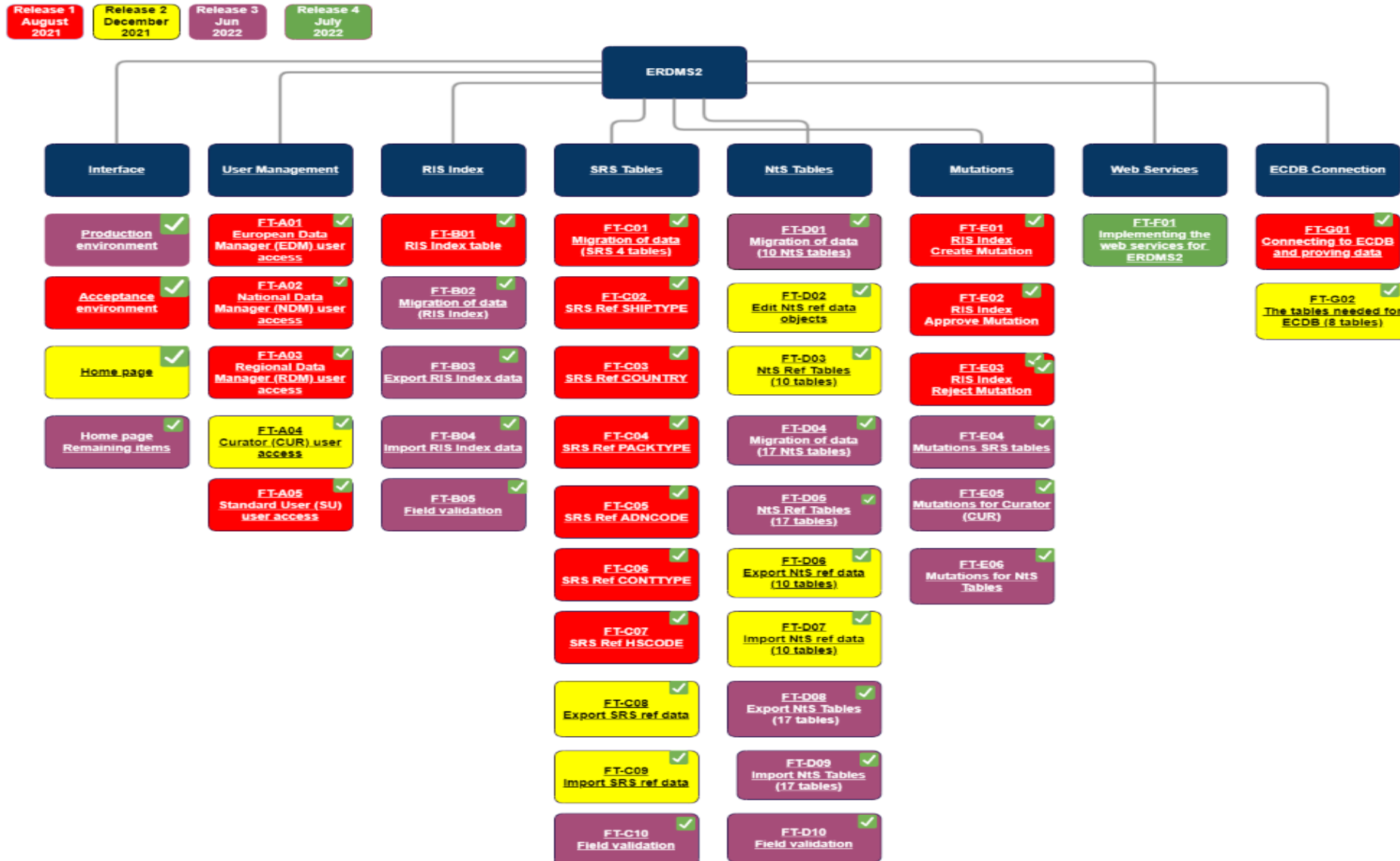
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Context of the ERDMS 2

- European Commission DG MOVE owns and operates the ERDMS
- The ERDMS is a repository of RIS related reference data (e.g. the RIS Index) and code lists (NtS reference tables, ERI code lists) required by the Commission implementing regulations on technical specifications for RIS (river information services)
- ERDMS was developed and put into operation in 2009 (PLATINA project)
- ERDMS has reached end-of-life → refactoring needed
- ERDMS 2 developments started end of 2020
- First demonstration of ERDMS 2 at CESNI/TI meeting in March 2022

Release plan



User Interface Role

S. No.	Role Name	Description
1	European Data Manager (EDM)	The EDM role can add, edit, import and export the objects from all tables. He/ she can also invite users to the system (NDM, RDM, CUR RIS, CUR SRS and NTS), approve or reject roles and edit the data of the existing ones.
2	National Data Manager (NDM)	The NDM role can add, edit, import and export RIS index objects based on their country; He/ she can add new RIS index mutations. He/ she can also invite other users to the system for the roles NDM, RDM and CUR RIS.
3	Regional Data Manager (RDM)	The RDM role can add, edit, import and export RIS index objects based on their country; He/ she can add new RIS index mutations. He/ she can also invite other users to the system for the roles RDM and CUR RIS.
4	Curator RIS Index (CUR RIS)	The CUR RIS Index role can add, edit, import and export RIS index objects. He/ she can add new RIS index mutations.
5	Curator SRS and NTS (CUR SRS and NTS)	The CUR SRS and NTS role can add, edit, import and export SRS and NTS objects. He/ she can add new SRS and NTS mutations.
6	Standard User (SU)	The SU can only view and export the data from RIS Index, SRS and NTS tables. He/ she can also download the full dataset of RIS Index, SRS and NTS tables that are already available on the home page.

User Interface Readiness

S.No.	Table	Type	List	Filter	View	Create	Edit	Erase	Export	Import	Field Validation	Mutations
1	RIS INDEX	RIS	X	X	X	X	X	X	X	X	X	X
2	LOCATION	SRS	X	X	X	X	X	X	X	X	X	X
3	CONTTYPE	SRS	X	X	X	X	X	X	X	X	X	X
4	HSCODE	SRS	X	X	X	X	X	X	X	X	X	X
5	COUNTRY	SRS	X	X	X	X	X	X	X	X	X	X
6	SHIPTYPE	SRS	X	X	X	X	X	X	X	X	X	X
7	PACKTYPE	SRS	X	X	X	X	X	X	X	X	X	X
8	ADNRCODE	SRS	X	X	X	X	X	X	X	X	X	X
9	ERIRSP	SRS	X	X	X	X	X	X	X	X	X	X
10	BARRAGECODE	NTS	X	X	X	X	X	X	X	X	X	X
11	COMMUNICATIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
12	COUNTRYCODE	NTS	X	X	X	X	X	X	X	X	X	X
13	DIMENSIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
14	DIRECTIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
15	GUILABELS	NTS	X	X	X	X	X	X	X	X	X	X
16	ICECODE	NTS	X	X	X	X	X	X	X	X	X	X
17	ICEACCESSIBILITYCODE	NTS	X	X	X	X	X	X	X	X	X	X
18	ICECLASSIFICATIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
19	ICECONDITIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
20	ICESITUATIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
21	INDICATORCODE	NTS	X	X	X	X	X	X	X	X	X	X
22	INTERVALCODE	NTS	X	X	X	X	X	X	X	X	X	X
23	LANGUAGECODE	NTS	X	X	X	X	X	X	X	X	X	X
24	LIMITATIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
25	MEASURECODE	NTS	X	X	X	X	X	X	X	X	X	X
26	POSITIONCODE	NTS	X	X	X	X	X	X	X	X	X	X
27	REASONCODE	NTS	X	X	X	X	X	X	X	X	X	X
28	REFERENCECODE	NTS	X	X	X	X	X	X	X	X	X	X
29	REGIMECODE	NTS	X	X	X	X	X	X	X	X	X	X
30	REPORTINGCODE	NTS	X	X	X	X	X	X	X	X	X	X
31	SUBJECTCODE	NTS	X	X	X	X	X	X	X	X	X	X
32	XMLTAG	NTS	X	X	X	X	X	X	X	X	X	X
33	TARGETGROUPCODE	NTS	X	X	X	X	X	X	X	X	X	X
34	TYPECODE	NTS	X	X	X	X	X	X	X	X	X	X
35	WEATHERCODE	NTS	X	X	X	X	X	X	X	X	X	X
36	WEATHERCATCODE	NTS	X	X	X	X	X	X	X	X	X	X
37	WEATHERCLASSCODE	NTS	X	X	X	X	X	X	X	X	X	X
38	WEATHERDIRCODE	NTS	X	X	X	X	X	X	X	X	X	X
39	WEATHERITEMCODE	NTS	X	X	X	X	X	X	X	X	X	X

Web Services

S. No.	Service	Description
1	matchByCode()	Find information based on reference code
2	matchByName()	Find information based on the name or description of the reference data.
3	getMutatedTables()	Request the number of changes per table (quick check to test if there are mutations (changed data) available, new function in v11).
4	getMutations()	Request all changes (records) in a given period for a specific reference data.
5	getRisDataXML()	Request specific RIS Index records (possibly a sub selection). For example by country or by function.
6	mutateDataXML()	Mutate specific (1 record) reference data (add new one or change existing). These mutations will be processed immediately without human interaction. However this function is only possible for the country specific data (such as locations) and only the country specific records for the specified user, other mutations will be rejected.

Web Service Readiness

S.No.	Table	matchByCode()	matchByName()	getMutatedTables()	getMutations()	getRisDataXML()	mutateDataXML()
1	RIS INDEX						
2	LOCATION	T	T		T	NA	
3	CONTTYPE	T	T		T	NA	
4	HSCODE	T	T		T	NA	
5	COUNTRY	T	T		T	NA	
6	SHIPTYPE	T	T		T	NA	
7	PACKTYPE	T	T		T	NA	
8	ADNRCODE	T	T		T	NA	
9	ERIRSP	T	T		T	NA	
10	BARRAGECODE				T	NA	
11	COMMUNICATIONCODE				T	NA	
12	COUNTRYCODE				T	NA	
13	DIMENSIONCODE				T	NA	
14	DIRECTIONCODE				T	NA	
15	GUILABELS				T	NA	
16	CECODE				T	NA	
17	ICEACCESSIBILITYCODE				T	NA	
18	ICECLASSIFICATIONCODE				T	NA	
19	ICECONDITIONCODE				T	NA	
20	ICESITUATIONCODE				T	NA	
21	INDICATORCODE				T	NA	
22	INTERVALCODE				T	NA	
23	LANGUAGECODE				T	NA	
24	LIMITATIONCODE				T	NA	
25	MEASURECODE				T	NA	
26	POSITIONCODE				T	NA	
27	REASONCODE				T	NA	
28	REFERENCECODE				T	NA	
29	REGIMECODE				T	NA	
30	REPORTINGCODE				T	NA	
31	SUBJECTCODE				T	NA	
32	XMLTAG				T	NA	
33	TARGETGROUPCODE				T	NA	
34	TYPECODE				T	NA	
35	WEATHERCODE				T	NA	
36	WEATHERCATCODE				T	NA	
37	WEATHERCLASSCODE				T	NA	
38	WEATHERDIRCODE				T	NA	
39	WEATHERITEMCODE				T	NA	

User Matrix

Table	Functions	Sub-function	Roles					
			EDM	NDM	RDM	CUR RIS	CUR SRS NTS	SU
RIS Index	Create		YES	YES(NDM of same country access)	YES (RDM of same country access)	YES (same country)	NO	NO
	Edit		YES	YES(NDM of same country access)	YES (RDM of same country access)	YES (same country)	NO	NO
	List		YES	YES	YES	YES	YES	YES
	View		YES	YES for all countries	YES for all countries	YES (for all countries)	YES	YES
	Filter		YES	YES for all countries	YES for all countries	YES (for all countries)	YES	YES
	Import		YES	YES(NDM of same country access)	YES (RDM of same country access)	YES (same country)	NO	NO
	Export		YES	YES for all countries	YES for all countries	YES	YES	YES
	Mutation	Draft	YES	YES(NDM of same country access)	YES (RDM of same country access)	YES (same country)	NO	NO
	Mutation	Request	YES	YES(NDM of same country access)	YES (RDM of same country access)	YES (same country)	NO	NO
	Mutation	Approve	YES	YES(NDM of same country access)	YES (RDM of same country access)	NO	NO	NO
Mutation	Reject	YES	YES(NDM of same country access)	YES (RDM of same country access)	NO	NO	NO	
SRS Tables	Create		YES	NO	NO	NO	YES	NO
	Edit		YES	NO	NO	NO	YES	NO
	List		YES	YES	YES	YES	YES	YES
	View		YES	YES	YES	YES	YES	YES
	Filter		YES	YES	YES	YES	YES	YES
	Import		YES	NO	NO	NO	YES	NO
	Export		YES	YES	YES	YES	YES	YES
	Mutation	Draft	YES	NO	NO	NO	YES	NO
	Mutation	Request	YES	NO	NO	NO	YES	NO
	Mutation	Approve	YES	NO	NO	NO	NO	NO
Mutation	Reject	YES	NO	NO	NO	NO	NO	
NTS Tables	Create		YES	NO	NO	NO	YES	NO
	Edit		YES	NO	NO	NO	YES	NO
	List		YES	YES	YES	YES	YES	NO
	View		YES	YES	YES	YES	YES	YES
	Filter		YES	YES	YES	YES	YES	YES
	Import		YES	NO	NO	NO	YES	NO
	Export		YES	YES	YES	YES	YES	NO
	Mutation	Draft	YES	NO	NO	NO	YES	NO
	Mutation	Request	YES	NO	NO	NO	YES	NO
	Mutation	Approve	YES	NO	NO	NO	NO	NO
Mutation	Reject	YES	NO	NO	NO	NO	NO	



Environments

- Test
 - URL - <https://webgate.test.ec.europa.eu/erdms2>
 - Purpose – To be used for Integration Testing and Internal Sprint Demos
- Acceptance
 - URL – <https://webgate.acceptance.ec.europa.eu/erdms2>
 - Purpose – It offers a more stable version to be used by the Member states to test and to perform Business Acceptance testing
- Production
 - URL – To be defined
 - Purpose – Live Product (not completed at the moment)

Important Wiki Links

The link to the ERDMS Wiki page is:

<https://webgate.ec.europa.eu/fpfis/wikis/display/INLNAV/European+Reference+Data+Management+System+%28ERDMS%29+Workspace>

The link to the ERDMS Forum page is (we invite you to post your questions in this page either in the General or in the Testing topic):

<https://webgate.ec.europa.eu/fpfis/wikis/display/INLNAV/ERDMS2+discussion+Forum>

The links to the documentations for web services implementation are:

<https://webgate.ec.europa.eu/fpfis/wikis/display/INLNAV/Illustration+of+Changes+from+v1.1+to+v2.0>

<https://webgate.ec.europa.eu/fpfis/wikis/display/INLNAV/WSDL+and+XSD>

Next steps

As of this date, the users are invited to start testing the functionalities of the ERDMS interface in Acceptance and provide feedback on the Wiki Forum.

The web services functionalities are not included in the testing in Acceptance; those will follow in the beginning of August and the users will receive all the details on e-mail.

The deployment to Production is planned for September (ERDMS1 will still be working for a short period of time).

Team Composition

S.No.	Name	Role
1	SATTLER Mario (MOVE)	Business Manager
2	VASCONCELOS Fabio	Project Manager
3	ALBASTROIU Teodora-Delia	Business Analyst / Product Owner
4	KHAJA Mohamed-Fahim	Team Coordinator / Team Leader
5	STELMACH Lukasz	Technical Architect
6	KULANDAIVEL Jayaprakash	Developer
7	MAITA Adrian Ionut	Developer
8	DOCX Joris	Developer
9	GUDPATI Ramana	Developer
10	MANI Sandhiya	Tester



Q&A

Questions and answers

Q 1: Where can I address my questions about testing?

A dedicated page on the ERDMS Forum has been created for this scope. The users that will be testing can access this page:

<https://webgate.ec.europa.eu/fpfis/wikis/pages/viewpage.action?pageId=990022587>

Please feel free to post your questions about integration testing there (print screens can also be attached).

How to connect for the testing?

The users are invited to access the Acceptance environment mentioned above for testing using their EU login account. (the details on how to create an EU login account will be provided).

Each user will be given a role as requested.

A user can have multiple different roles for different countries, but not multiple roles for the same country.

For example, a user can have the following roles: NDM-Belgium, RDM-Germany, NDM-Netherlands, CUR RIS-Austria

How to have access to the Wiki?

Please access the links to the Wiki mentioned above.

Most of the users have already been given access to the Wiki pages.

If you do not have access to the Wiki, please contact the ERDMS support team and request it at the e-mail address: MOVE-ERDMS@ec.europa.eu

Thank you



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