

Use Case List

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The first ENVRIplus week discussed various use cases which potentially could serve to provide the project work packages a better understanding of user and infrastructure requirements and to test solutions. Interesting cases depend on two or more research infrastructures. The lists below were collected for the work packages in theme 2, but should preferably also be applicable for other themes. The cases are split in three groups with each a specific purpose as clarified below.

Scientific use case

- A highly visible frontier research project, dependent on several RI services
- Researchers should be willing to serve as a guinea pig: secure the researchers engagement

#	Scientific Use Cases
SC_3	How do mosquito born diseases emerge and what are trends?

Test case

- Test if cooperating RIs potentially can implement ENVRIPLUS solutions
- Interesting tests cover instrumentation, data, workflows, and training

#	Test Cases
TC_2	Euro-Argo data subscription service
TC_4	Sensor registry
TC_16	Description of a National Marine Biodiversity Data Archive Centre

Implementation case

- Follows from the requirements analysis (= RI expectations from ENVRIPLUS) BOTH ENVRIPLUS and RIs have to invest in the actual implementation

#	Implementation Cases
IC_1	Dynamic data citation, identification & citation (ICOS, ANAEE, IAGOS (Francios Andre), LTER (Barbara Magagna)
IC_2	Provenance Implementation case
IC_3	User support to re-process data using their own algorithms (EISCAT 3D)
IC_8	Cataloguing, curation, provenance across RIs WP8
IC_9	Provenance - use of DOI for tracing of data re-use
IC_10	Domain extension of existing thesauri
IC_11	Semantic Linking Framework
IC_12	Implementation of ENVRI RM for EUFAR and LTER