

# Use Case List

## Use Case List

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 | <a href="#">How do mosquito born diseases emerge and what are trends?</a> |

### Test case

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

| #     | Test Cases  |
|-------|---|
| TC_2  | <a href="#">Euro-Argo data subscription service</a>                               |
| TC_4  | <a href="#">Sensor registry</a>   |
| TC_16 | <a href="#">Description of a National Marine Biodiversity Data Archive Centre</a> |

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