



d4SCIENCE

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on Grid Enabled Technology 4 Science**
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**Communities VREs Evaluation and
Recommendations**

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**SEVENTH FRAMEWORK PROGRAMME
Research Infrastructures**

INFRA-2007-1.2.2: Deployment of
e-Infrastructures for scientific communities



e-infrastructure

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SUMMARY

According to the project DOW, the “Communities VREs Evaluation and Recommendations” deliverable consists of: (i) Description and assessment of the work done and (ii) validation of the infrastructure from the point of view of service and functionality. Specifically the goal is to: (a) engage in a continuous validation activity throughout the remaining project lifecycle; (b) report on VRE accomplishments and issues from the user community point of view; (c) highlight missing, incomplete and poorly implemented features from functional and non-functional perspectives; (d) assist in prioritizing development effort; (e) provide recommendations for improvement to future iterations. This document provides a description of the process, methods and tools to be used to achieve this activity.

DELIVERABLE DOCUMENTATION

The validation of a system is the documented process of assuring that the system does exactly what it is designed to do in a consistent and reproducible manner. The validation process begins with the system proposal / requirements definition and continues until system reaches the expected quality of service. Validation is actually an activity toward quality assurance, or QA for short.

QA refers to planned and systematic production processes that provide confidence in a product's suitability for its intended purpose. It is a set of activities intended to ensure that products satisfy customer requirements in a systematic, reliable fashion. QA cannot absolutely guarantee the production of quality products, unfortunately, but makes this more likely.

In the D4Science project, the products/systems to be evaluated are the Virtual Research Environments (VREs) (as a side effect the e-Infrastructure supporting their operation is evaluated also) while the customers are the user communities the project serves, i.e. the Environmental Monitoring community and the Fisheries and Aquaculture Resources Management community.

During the project lifetime, three major milestones have been established for what is concerned with Virtual Research Environments release. These milestones are:

- June 2008 (a.k.a. project month 6)
- November 2008 (a.k.a. project month 11)
- November 2009 (a.k.a. project month 23)

The description of the validation procedure adopted as well as on the results of such an activity are documented in a dedicated Wiki page available at:

https://infrastructure.wiki.d4science.research-infrastructures.eu/production/index.php/Virtual_Research_Environments_Validation

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