



**Universal Quality Assurance Services for
Ambiences with Volatile Requirements**

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OBJECTIVES



- To create a life-cycle (V, RUP, Agile...) and technology (SoA, C/S...) independent methodology and framework for ensuring the Quality of Software development projects.
- To provide a semantic service-based solution that can monitor and collect information from different sources in the Application Life-cycle and analyze it in order to offer an OBJECTIVE VALUE of the whole development process and the resulting product to all the actors involved in the process. This solution will be easily adaptable to changes in the context.
- To validate the framework in 2 Business Cases (RUP and Agile).
- To identify a New Business Model for the exploitation of the framework.



EXPECTED RESULTS OF THE PROJECT

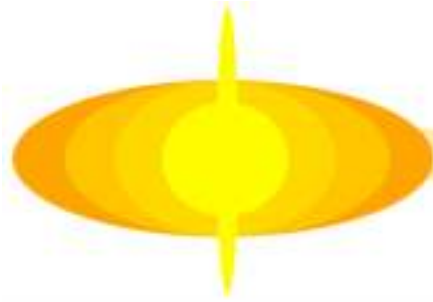
1. The U-QASAR METHODOLOGY.

Whole software development life-cycle. Techniques for assessing every stage.
Set of metrics (Functionality, QoS and PSA). Identification of appropriate Quality Requirements. Identification of the appropriate set of assessments.

2. The U-QASAR PLATFORM.

K-based Services: *Monitoring* of changes in the Quality Requirements;
Enhancement (feedback) of QR and Assessments; *Analysis* of history data for proposing weights and thresholds; Reporting of the quality (adaptable to audience → customers, PMs, Q Engineers...).

3. A Business Model.



AREAS FOR COLLABORATION WITH OTHER PROJECTS

- ***Cloud-based applications and storage***

- Collaboration with projects developing efficient and secure Cloud Architectures. The aim of the project is offering services “on the cloud”. UQASAR could be used in a cloud test-bed.

- ***Semantic platforms***

- Collaboration with projects developing semantic technologies to be applied in UQASAR as a test-bed, specifically for the modeling of the knowledge retained by Software Development companies.

- ***Development and deployment of value- added services through innovative service***

- U-QASAR will facilitate the rapid creation of high-quality services that are interoperable with already existing services or applications thanks to the use of standardized and open interfaces. Furthermore the consortium is interested in the creation of new/disruptive business models to exploit the results of the project.

Additional information



The **UQASAR** concept can be applied in any type of development project. On-going projects are invited to be part of our UIG and validate the platform.

U-QASAR Services

The solution will contain services that will continuously monitor the events taking place at the different stages of the project, being able to intelligently assess such events and produce a quantified value. Some of the events that might be monitored by the **U-QASAR services** are:

1. Publishing of design documents in internal repositories,
2. Deployment of an application in development/integration/production servers
3. Opening, evolving or closing issues related to the project,
4. Generating source code quality reports...

CONTACT DETAILS



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