

JRA1: Development of Operations Tools

EGI Proposal

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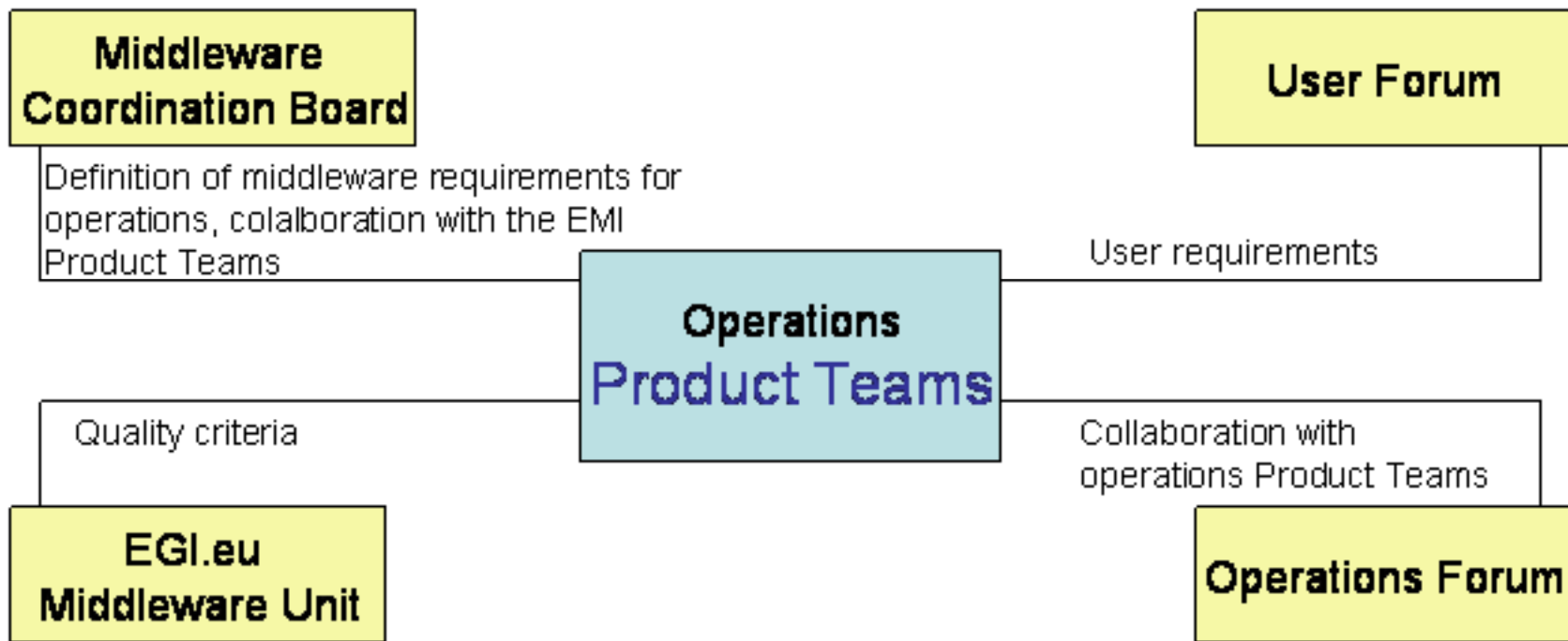
Objective

- availability of **production-quality** and **interoperable** operational tools that efficiently support the operational activities in EGI, while keeping the pace with the **evolution of the baseline middleware, of the user requirements, and of operational procedures and policies**

Activity stakeholders

- **Operations Product Teams**
- **Customers:** NGI operations centres, EGI.eu Operations Unit, users and VO Managers
- EGI.eu **Middleware Unit** (quality criteria, software engineering tools, software repositories, ...)
- **MCB**
- **External contributors of tools**

Relationships



TJRA1.1: Activity Management

- Activities:
 - Definition of development roadmaps
 - liaison with the stakeholders: users and NGI operations centres,
 - liaison with SA1, the EGI Middleware Unit, the MCB
 - external liaisons: EMI Product Teams and external tool providers
 - activity management duties

TJRA1.2: Maintenance and development

- **Objectives**
 - availability of interoperable operational tools at the pan-European level
 - ongoing adaptation of the tools to keep the pace with the evolving operations needs and the evolution of the EGI middleware components
- **Tools**
 - operations portal, helpdesk, the Grid configuration repository (GOCDDB), accounting repository and accounting portal, Service Availability Monitoring, GridMap
 - in case of “distributed” tools, maintenance & development concerns both the central and the regional components (one reference regional implementation)

TJRA1.3: Tools for Grid service auditing

- **Objective**
 - **increasing automation of Grid service management to assist the day-by-day work of operators**
- Definition and implementation of a common framework for auditing of Grid baseline services. Auditing extends the concept of functionality testing by including the automated gathering of
 - **internal status information**
 - **usage statistics**
- Collaboration with EMI product teams

TJRA1.4: New operational tools

- **Objective: availability of tools for an increasing sustainability of EGI**
 - **Activities**
 - gathering of new requirement
 - development of new tools for the further automation of operations, and the full support of the service-oriented EGI business model.
- For example:
- an extended framework for SLA monitoring
 - usage accounting of EGI services

Summary

- **Objective:** availability of **production-quality** and **interoperable** operational tools
- **Stakeholders: Operations Product Teams, Customers:** (NGI operations centres, EGI.eu Operations Unit, users and VO Managers), EGI.eu **Middleware Unit, EMI Product Teams** and **External contributors** of tools
 - TJRA1.2: Activity Management
 - TJRA1.2: Maintenance and development
 - TJRA1.3: Tools for Grid service auditing
 - TJRA1.4: New operational tools