BREIN

Business objective driven REliable and Intelligent grids for real busiNess

# COLLABORATION REPORT

# D6.4.1

## WP6.4 - Collaboration

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# 1. Executive Summary

This document describes the plan for the formal Collaboration activities to be carried out by the BREIN project and its participants, in relation to the other projects in the IST programme (summarized in **Table 1**, bold indicating a partner who is leading a group or task). It also lists those collaborations that have currently been identified as being particularly likely to be fruitful to the project.

| Code | Name | Participating Partners |
|---|---|---|
| CT1: TG1 | Grid Architecture | HLRS |
| CT1: TG2 | Ontologies | **UMAN** |
| CT1: TG3 | Workflows | **HLRS** |
| CT1: TG4 | Monitoring & Fabric Management | *none* |
| CT1: TG5 | Data Management | *none* |
| CT1: TG6 | Trust and Security | **ITInn, EMIC** |
| CT1: TG7 | Grid Econ. & Business Models | UHOH |
| CT1: TG8 | Virtual Organisations | EMIC |
| CT2 | Dissemination & Exchange | **HLRS** |
| CT3 | Standardisation | PSNC, UMAN |
| CT4 | Ref. Impl. Repostitory | *none* |
| CT5 | Roadmaps | HLRS |
| CT6 | Impact Assessment | TID |
| CT7 | Training | **BSC** |
| CT8 | Collaboration with NESSI | *none* |

**Table 1 – Partner Participation Summary**

## 1.1 Relations with Other Projects

The BREIN project is aiming to consume the output of the following projects:

Akogrimo: Conceptual Architecture and Reference Model

NextGrid: Conceptual Architecture and Reference Model

OntoGrid: Conceptual Architecture and Reference Model

TrustCoM: Conceptual Architecture and Reference Model

UniGrids: Conceptual Architecture

We are also studying whether we can use training developed within OntoGrid to train people working on BREIN in the use of ontologies. At this stage, the BREIN project has not selected which software outputs of other projects to use, but looks forward to collaborating with the relevant provider projects once selection has been done.

# 2. Collaboration Task 1: Technical Concertation

The first collaboration task on technical concertation between the projects, is subdivided into technical groups to focus on the different aspects. There are six current technical groups, and a further two that are proposed but which have not yet formally commenced at the time of writing.

## 2.1 CT1: TG1: Grid Architecture

At this stage, the BREIN project is primarily a consumer of architectures produced by other projects (notably Akogrimo, NextGrid and UniGrids).

Participation leader(s): HLRS

## 2.2 CT1: TG2: Ontologies

The BREIN project will be a significant consumer of ontologies; it is part of our workplan. We also plan to collaborate directly with the OntoGrid project as part of this.

Participation leader(s): UMAN (chair)

## 2.3 CT1: TG3: Workflows

The BREIN project has significant requirements for workflows at several levels of our motivating use-cases. We contribute to the leadership of this technical group.

Participation leader(s): HLRS (co-chair)

## 2.4 CT1: TG4: Monitoring and Fabric Management

The BREIN project does not currently plan to participate in this technical group; it is not an area that has direct impact on our requirements.

## 2.5 CT1: TG5: Data Management

It is not yet clear to what extent our motivating use-cases will require advanced data management, so it is also not yet clear to what extent we will participate in this technical group.

Participation leader(s): not currently assigned

## 2.6 CT1: TG6: Trust and Security

The BREIN project places a significant emphasis on the security and trust requirements of our use-cases, so this is an area that is of strong interest. We will contribute to the leadership of this technical group.

Participation leader(s): IT Innovation (chair), EMIC (co-chair)

## 2.7 CT1: TG7 *(proposed)*: Grid Economics and Business Models

The BREIN project has a strong focus in this area, and expects to participate fully in this technical group once it is formed.

Participation leader(s): UHOH

## 2.8 CT1: TG8 *(proposed)*: Virtual Organisations

The BREIN project has a strong focus in this area, and expects to participate fully in this technical group once it is formed.

Participation leader(s): EMIC

# 3. Other Collaboration Tasks

There seven other collaboration tasks apart from the technical concertation.

## 3.1 CT2: Joint Dissemination and Fora for Exchange

The BREIN project will contribute to the leadership of this collaboration task.

Participating partner(s): HLRS (chair)

## 3.2 CT3: Coordination of Standardisation Efforts

The BREIN project is not a standardisation-led project, but expects to participate in standardisation of architectures of Grids for business-oriented scenarios.

Participating partner(s): PSNC, UMAN

## 3.3 CT4: Repository of Reference Implementations

The BREIN project does not expect to contribute to the design of such a repository, but will consume such services and, when developed, contribute components to such a repository.

Participating partner(s): not yet assigned

## 3.4 CT5: Collaboration on Roadmaps

The BREIN project sees a need to participate in the definition of roadmaps.

Participating partner(s): HLRS

## 3.5 CT6: Impact Assessment

The BREIN project sees that it is important to understand what the impact of its activities and the activities of other projects are upon the wider community.

Participating partner(s): TID

## 3.6 CT7: Training Activities

The BREIN project will have a significant focus upon this area in the second phase of the project, and sees that it is important to collaborate on this in order to achieve maximum effectiveness.

Participating partner(s): BSC (chair)

## 3.7 CT8: Collaboration with NESSI Platform

The BREIN project will collaborate with the NESSI Platform once this task has been more clearly defined.

Participating partner(s): not yet assigned