



SHARE

“Sharing Open Source Software Middleware to improve industry competitiveness in the embedded systems domain”

PROJECT ABSTRACT

The SHARE project aims to facilitate open source software code sharing and utilisation within the embedded system domain, creating a nurturing environment for applications and solutions to be developed on OSS middleware, and paving the way for new business models and services. The focus of the project will be on:

- Middleware for near real time and mission critical applications
- Middleware for nomadic, multimedia, networked applications
- Middleware for e-health applications

The SHARE initiative will also broad its scope to other sectors that could benefit of the usage of OSS middleware in the embedded system domain (such as Wireless Sensor Networks), providing the following functionalities/services:

- The **SHARE Web Based platform** where OSS code will be uploaded and shared, together with any relevant information facilitating the usage and dissemination of such software
- An **Open Source knowledge framework** which will act both as a knowledge collection methodology and a benchmarking tool. Adequate templates and benchmarking methodologies will be created by means of focused studies that will collect relevant assessment methodologies based on key parameters such as quality, security, interoperability, use of Open Standards and maintainability
- **Networking and awareness creation actions** towards developers as well as end users in the embedded system community, including the organization of two International Dissemination Workshops that will serve as meeting events where stakeholders will be able to make networking, as well as present their concerns and achievements.

The overall action will be industry driven, as far as the **SHARE Consortium** includes worldwide recognized industry leaders, as well as universities and leading technology transfer organisations. **The strong link** of the SHARE consortium with the **OSS developer and user communities will** assure the achievement of the expected impact of the project, and clear measures to evaluate and transfer the generated knowledge.