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OVERVIEW

Hi-tech software production processes need complex tools and methodologies whose correct use implies sound skills and technical competences: **IT industry daily cope with problems related to the need of direct expertise in different application areas and new technologies.**

Companies producing software, and **in particular SMEs**, are facing a critical market phase: basic technologies and different applications become more and more complex, and the knowledge and experience required to manage them are continuously growing.

Today a new project in a SME often means starting from scratch, in a **process of learning and knowledge creation that is frequently lost at the end of project.**

With Gesper, SMEs **capitalize, reuse and share experience gained in the various projects**: names and references of the experts in various areas and technologies, projects documentation, software modules, methods and tips may be archived, researched and used in a simple and effective manner.

Focus on company knowledge
An innovative technology for experience sharing and re-use in software producing SMEs

Main functionalities

- > formalize enterprise knowledge
- > accumulate experience
- > mine knowledge heritage
- > share experience

With Gesper every new project increases the enterprise knowledge capitalizing previous experience.

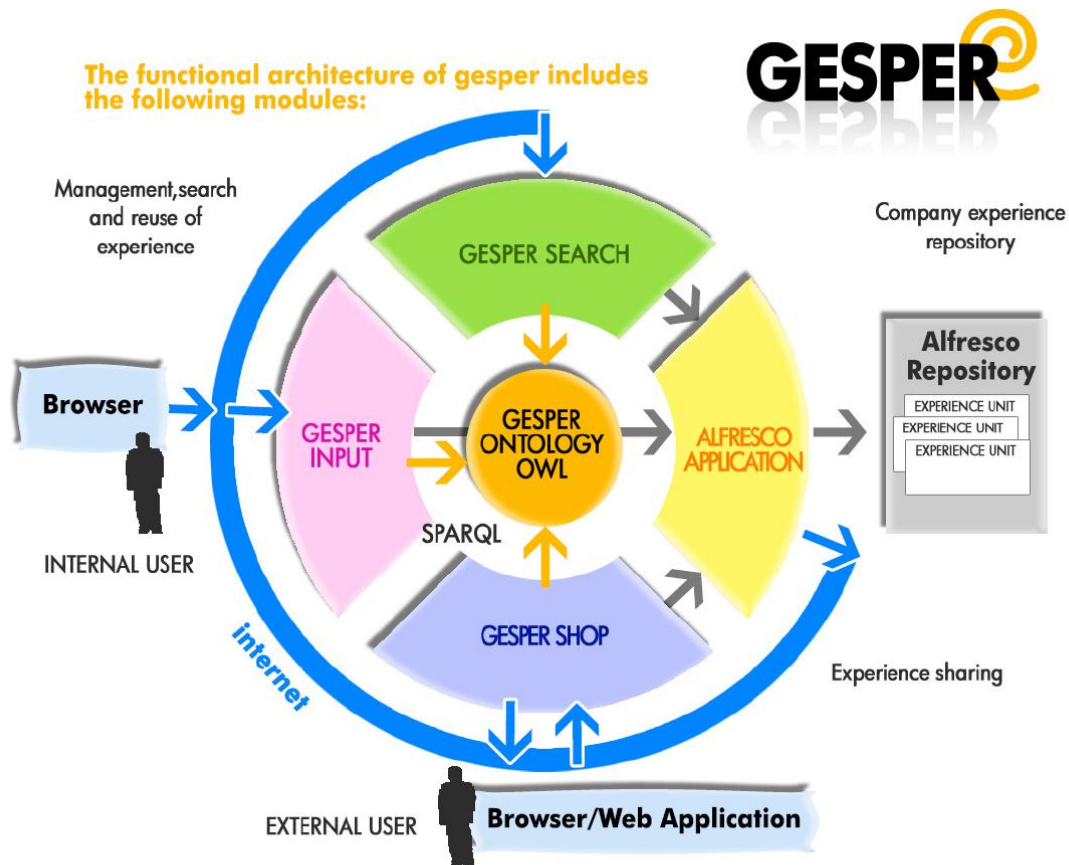


OBJECTIVES

GESPER enables capitalization and distribution of IT knowledge to better face and solve problems related to the development of products and services, studying and designing a set of services to facilitate management and reuse of expertise in software production process, in particular by SME clusters:

- **enterprise knowledge formalization and rationalization** – to allow all stakeholders to quickly and efficiently share production process information;
- **enterprise knowledge classification and management** - to unify technical and cultural approach in production process definition;
- **enterprise knowledge gathering and extension** – to ease reuse of previous expertise;
- **enterprise knowledge mining** (research functionalities) – to support the exploitation of the information collected in the development of new production processes;
- **enterprise knowledge sharing** – to establish better collaboration between working groups and industrial clusters in complex and critical project activities.

ARCHITECTURE



Gesper Ontology: software ontology customised on specific company business (written in OWL)

Alfresco Application e Alfresco Repository: Content Management modules

Gesper Input: the module that allows you to put the experience in the company Content Management

Gesper Shop: the module that allows external users to access to corporate data, through an appropriate filtering.