

SpagoBI in the Agricultural Information System of Emilia-Romagna Region (SIAR), Italy.

## **SPAGOBI IN THE EMILIA-ROMAGNA REGIONAL GOVERNMENT – AN OPEN SOURCE PLATFORM FOR THE REGIONAL AGRICULTURAL INFORMATION SYSTEM**

### **Key Words :**

- SpagoBI
- Public Administration
- Business Intelligence
- Open Source



### **Organization**

Emilia-Romagna Region

### **Market**

Local Government

### **Status**

Government body

### **Mission**

To monitor and improve the rural development in the Emilia-Romagna Region

### **Objective**

To provide final users with a correct distribution of the data

### **Country**

Italy

### **OW2 Project**



/\* the Business Intelligence Free Platform \*/

*SpagoBI, the Open Source Business Intelligence platform, has been chosen by the Emilia-Romagna Region to be used in the regional Agricultural Informative System (SIAR).*

### **Emilia-Romagna Region**

The Emilia-Romagna Region is a local Government body, whose aim is the recognition of the cultural identity and historical traditions of its population. Among its several activities, it is responsible for the improvement of the economical, social and territorial development of the Emilia-Romagna Region. Moreover, it carries out many effective activities in the management of the territory as well as in the political, social and economic field.

### **The Need for an open source platform**

The Open Source Business Intelligence solution SpagoBI has allowed the Agricultural Informative System of the Emilia-Romagna Region (SIAR) to take advantage of an entirely open source platform to build reports and perform multi-dimensional analysis on the informative system concerning various rural activities, such as the documents of the Regional Plan for Rural Development as well as the information about the viticultural potential of farms.

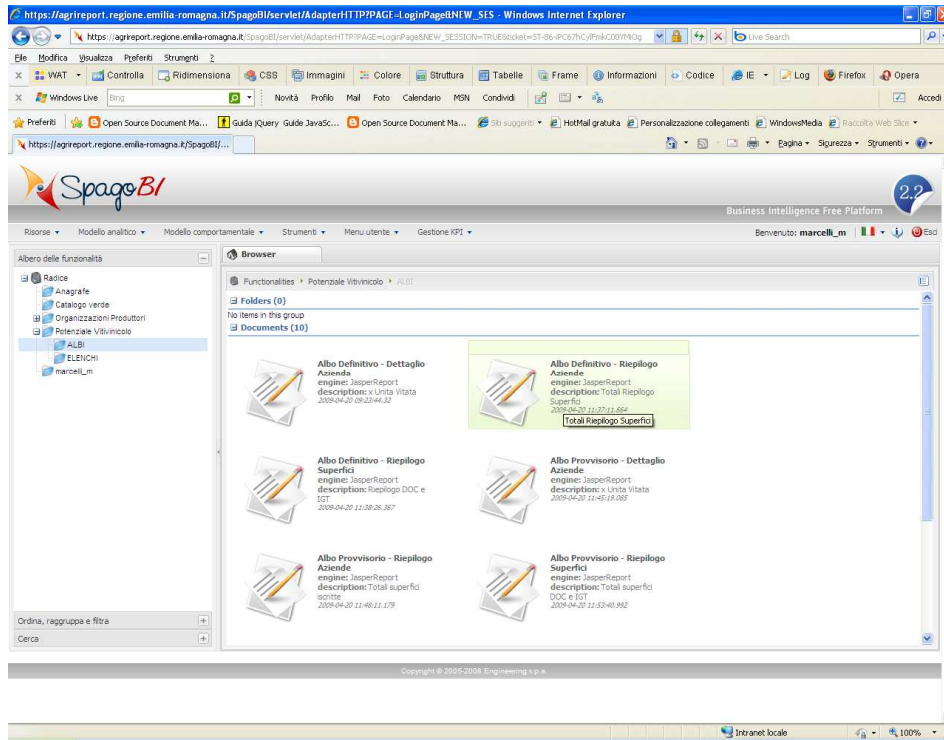
The aim is to provide both public and private final users with a correct distribution of the data, such as local governments, consortiums of communes in mountain areas, agricultural service centres, trade unions as well as authorities in charge of the control and protection of the territory.

## The Architecture of the platform

The flexibility of SpagoBI has allowed the people in charge of the SIAR management to customize the platform, enriching it with their own integrations, such as the users' authentication on the regional domain. Furthermore, the valuable behavioural model offered by the platform enables the regulation of the accesses and their diversification according to the role.

The technical architecture includes the following key functional areas:

- Information collection and manipulation:** these processes are based on PL/SQL language;
- Publication of information:** this service is used by the employees of Emilia-Romagna Region using static reports and OLAP. The portal was built with SpagoBI features.
- Application Server:** this project uses JBoss AS in cluster configuration (with two nodes) to manage High Availability.



### The Results

- Analyzing and managing data in order to provide public and private end users with useful and correct information for a continuous development of the territory.
- Ensuring that technical targets are matched and that the quality of the project meets the Emilia-Romagna Region requirements.

### Professional Support

- SpagoBI is the free/open source platform for the development of BI solutions at enterprise level
- SpagoBI is supported by Engineering Group ([www.eng.it](http://www.eng.it)), an IT global player and Italy's largest operator in the IT services market.



### OW2

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### About OW2

Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Lomboz, Sync4j, eXo Platform, XWiki, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users. A typical global open-source organization, OW2 aims to bring together grassroots communities across all continents through Local Chapters. More information about OW2 is available at <http://www.ow2.org>.