

## GebbaMA: archive and management of microarray data

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GebbaMA is a tool, accessible on the web, for archiving and organizing data produced by microarray experiments and high throughput genomics experiments in general. It is ideal for data producing laboratories, allowing the information to be archived in a systematic way. GebbaMA is also useful for final users for retrieving data and reorganizing them for their research activities.



### 1. Description of the product

GebbaMA is a web accessible tool for **archiving and organizing experimental data** generated from high throughput genomics studies, microarray experiments in particular.

By simply connecting to the web site, a **microarray laboratory** can upload the experimental data in a common repository, annotate them on the basis of information extracted automatically and organize the data as hybridizations or projects. The **researcher** can search the archive, upload data obtained from other sources or public repositories, design new projects and download the aggregated information for further processing.

GebbaMA is a **network of federated archives**. Each local archive can be used off-line with its own data or online, in which case the network can be exploited to facilitate collaboration and data sharing.

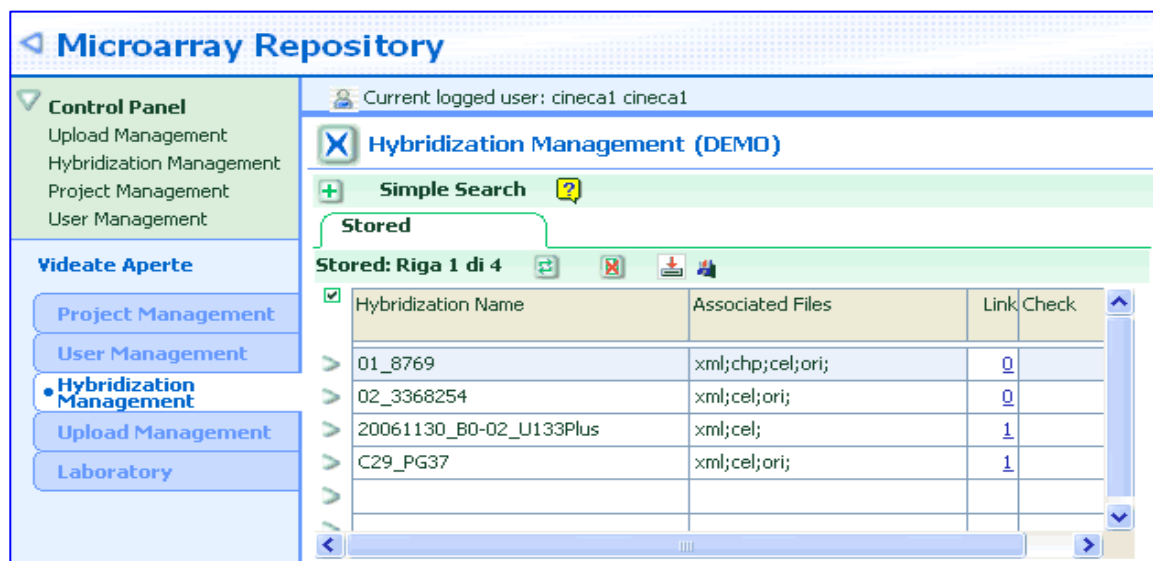
GebbaMA can be **installed locally**, therefore assuring security and privacy. Depending on the user preferences, it can also be **hosted on a central site** in order to make use of more powerful and robust institutional resources.

### 2. Innovative aspects of the product

GebbaMA provides a simple way for archiving microarray data. It is based on "files" in order to guarantee **compatibility** among different microarray platforms. **Data federation**, that is the possibility of integrating data hosted on different repositories, is the other innovative aspect of the tool.

### 3. Main advantages of the offer

- An effective way to connect data generating laboratories/services and the final users;
- Data federation for synergistic cooperative efforts;
- Data privacy and security guaranteed;
- No need for specific IT resources;
- Almost unlimited availability of archive capacity.



Hybridization Name	Associated Files	Link	Check
01_8769	xml;chp;cel;ori;	<a href="#">0</a>	
02_3368254	xml;cel;ori;	<a href="#">0</a>	
20061130_B0-02_U133Plus	xml;cel;	<a href="#">1</a>	
C29_PG37	xml;cel;ori;	<a href="#">1</a>	

### 4. Technology keywords

Microarray, High throughput genomics, Large data archive, Web based application.

### 5. Current stage of development

GebbaMA was realised by the Gebba.lab project and is now a mature product for storing and organising microarray data. An enhanced version of GebbaMA is the target of the current BioPharmaNet project. All further releases of GebbaMA will be posted on the web site and notified to current users.

### 6. Intellectual property rights

Copyright protected: a Licence agreement is required.

#### Technical and scientific publications

The technical features of GebbaMA are reported in the product web site: [gebbama.cineca.it](http://gebbama.cineca.it)

### CONTACT

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