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**ABSTRACT**

**TITLE** →

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**AUTHOR/S** →

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**INSTITUTION/S** →

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**KEYWORDS** →

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TNR: Times New Roman

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**PRESENTATION FORMAT**

Oral	
Poster	X

**SIGA CONGRESS AWARDS**

First Author's birthdate (dd/mm/yy): 01/11/1983

**RELEASE OF THE CEREALAB DATABASE V 2.0**

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*Information integration, MAS, breeding*

The CEREALAB database is a web-based tool realized to help the breeders in choosing molecular markers associated to the most important economically phenotypic traits; it contains phenotypic and genotypic data obtained from the integration of available open source databases with the data obtained by the CEREALAB project.

In this paper we describe several significant extensions to the CEREALAB database, derived from real needs of the end-user. First, to offer to the breeders new significant data, the CEREALAB database was extended. Second, to improve and simplify the access to the database, a new user-friendly Graphic User Interface (GUI) was developed. Third, to maximize and optimize the accessibility of the available information, new functionalities and additional tools was realized; in particular, to offer to the breeders an effective tool for the analysis of data, the possibility to obtain structured reports was introduced. Finally, to insert new data in the database, a new data entry module was implemented in the interface.

**Database URL:** <http://www.cerealab.org>

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