



Evaluation environment for fostering intercultural mentoring tools and practices at school



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New features of EvalCOMIX Pack E-EVALINTO

Introduction

The new EvalCOMIX Pack E-EVALINTO is a version of EvalCOMIX created specifically for the E-EVALINTO project.

The EvalCOMIX Pack software is oriented to the integral management of assessments, in any academic context, implementing the latest pedagogical advances regarding assessment.

EvalCOMIX Pack consists of:

- EvalCOMIX Server: Web service that allows the design and management of assessment instruments. The types of instruments that can be created are: checklists, rating scales, checklists + rating scales, rubrics, semantic differentials, argumentative Assessment and mixed instruments.
- EvalCOMIX_MD: EvalCOMIX Server integration plugin in Moodle. The plugin allows access to the authorship service of the assessment tools of EvalCOMIX Server and uses them in an innovative evaluation system. The new evaluation system, complementary to the Moodle native, allows students to have active participation in their self-assessment.

However, a few years ago, the maintenance of EvalCOMIX Server and EvalCOMIX_MD was discontinued, causing its obsolescence in the face of the unstoppable progress of the technologies on which they depend for its proper functioning. For example, in order to make use of EvalCOMIX Pack in the E-EVALINTO project, it has been necessary to refactor all the software to make it compatible with these technologies again. Also, this context has been used for new features that allow to support the methodology in the project as well as to correct errors detected in previous versions. Consequently, the new EvalCOMIX Pack E-EVALINTO version has been developed.

The following is a list of the new features that each component of the new EvalCOMIX Pack E-EVALINTO includes.

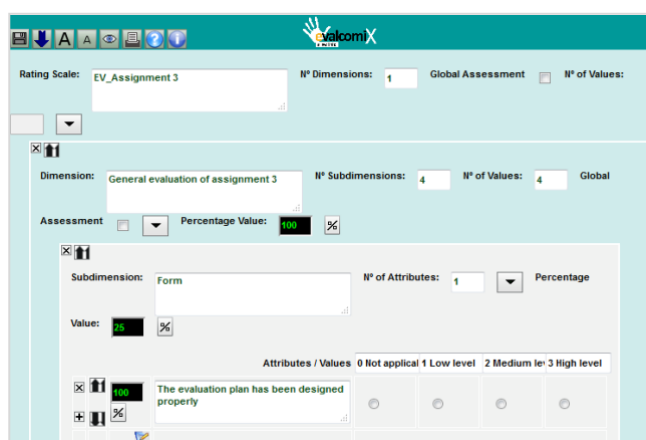
EvalCOMIX Server E-EVALINTO

Compared to previous versions, EvalCOMIX Server E-EVALINTO presents:

- Compatibility with PHP 7: EvalCOMIX Server is implemented with the PHP language, one of the most popular and suitable for web development. However, the version of PHP with which the latest version of EvalCOMIX Server was programmed is currently obsolete in the most modern servers. Therefore, it has been necessary to review and adapt all the source code to be compatible with the latest version of PHP, version 7. This change has been fundamental for the installation of EvalCOMIX Server in any web hosting. In

addition, it allows the use of all the performance and security improvements offered by PHP 7. Nueva Interfaz:

- A new specific interface for the instrument authoring tool of EvalCOMIX Server E-EVALINTO has been designed. It incorporates the logo, colors and other visual elements that will allow users to identify and relate the software to the project. In addition, the use of the tool has been improved from devices with different screen sizes, with special attention to mobile devices.



▪ More security:

- Protection against accidental file listing: Protection mechanisms have been added that prevent the accidental listing of directories and files on badly configured web servers.
- Greater protection against XSS attacks: improved filtering, validation and debugging of parameters and data received in requests for API resources, which allows better prevention against XSS attacks (Cross Site Scripting).
- Hide parameters: client-server security has been improved by rebilling the main API resources that accept parameters visible through the GET method so that it only accepts hidden parameters through the POST method.
- Adaptation to operate on any server with SSL certificate.

▪ Improvements in internationalization:

- Adapted to be translated into any language. Traditionally, EvalCOMIX included, by default, the following language packs: international Spanish, Spanish from Spain, international English, Catalan and Basque; and it did not allow to include any more. Now it has been adapted so that it can support any dictionary.
- New language packs: the following language packs have been added - Italian, Polish and Greek - to meet the requirements of the E-EVALINTO project.

▪ Bugs fix. Fixed bugs documented from previous versions of EvalCOMIX Server.

EvalCOMIX_MD E-EVALINTO

The features of the new EvalCOMIX_MD E-EVALINTO version are as follows:

- Adaptation to Moodle 2.9 - 3.5: Adaptation to Moodle 2.9 - 3.5: The latest version of EvalCOMIX_MD was developed for a Moodle version currently unsupported: version 2.8. Therefore, completely reviewing the integration plugin has been necessary. It has been meticulously adapted and tested EvalCOMIX_MD E-EVALINTO for its operation in the latest Moodle versions, from version 2.9 to 3.5, paying special care in the version selected for the development of the E-EVALINTO project.
- Usability improvements: The new version incorporates new features that facilitate its usability:
 - In the list of student evaluators (relative to the Specific Students of the Peer Assessmenta option), students who have assigned classmates to assess, now are clearly distinguished by a color mark.
 - A vertical scrollbar has been added to the popup relative to the activities in the header of the assessment table.
- More security:
 - Protection against the accidental listing of files: Protection mechanisms have been added that prevent the listing of files and directories in misconfigured web servers.
- Performance improvement:
 - Reduced load times: Improved performance in the transmission of ratings from the EvalCOMIX Evaluation Book to the Moodle Gradebook.
- Added installation guide

