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TEIScribe: A graphic tool for composing and testing TEI documents in the context of the EVI-LINHD environment

Digital Humanities can be seen as a boundary discipline that requires cooperation and common agreements and views among many scientific communities.¹ This is the case of Virtual Research Environments (VREs), as they facilitate researchers and users from different communities a place to develop, store, share, and preserve their work.² The first Digital Humanities Center in Spain, LINHD, the Digital Innovation Lab at UNED has started developing EVILINHD, the first VRE for Spanish-speakers.³ The environment offers researchers a collaborative space in the cloud to manage all phases of their projects: the edition process, storage into the database, and text visualization in several output formats, such as HTML. In order to facilitate digital scholarly editing, a specific tagging tool has

¹ Gimena Del Río Riande (2016): Humanidades Digitales. Construcciones locales en contextos globales. SEDICIBlog. <http://sedici.unlp.edu.ar/blog/2016/03/22/humanidades-digitales-construccioneslocales-en-contextos-globales/> [2016-05-24].

² Annamaria Carusi; Torsten Reimer (2010): Virtual Research Environment Collaborative Landscape Study. A JISC funded project. Oxford e-Research Centre, University of Oxford and Centre for e-Research, King's College London. <https://www.jisc.ac.uk/rd/projects/virtual-research-environments> [2016-05-24].

³ Elena González-Blanco (2016): Un nuevo camino hacia las humanidades digitales. El laboratorio de innovación en humanidades digitales de la UNED (LINHD). In Signa: Revista de la Asociación Española de Semiótica 25. 79-93. <https://dialnet.unirioja.es/servlet/articulo?codigo=5476762> [2016-05-24]; Del Río Riande 2016.

been developed as a cloud application implemented with Vaadin, an open-source Java framework and integrated in EVILINHD: TEIScribe.⁴

TEIScribe helps the Digital Humanities community to concurrently label texts with TEI without XML knowledge through a graphic and intuitive design that aims to break language and technological barriers. The tool, which was conceived and developed for the BIESES project in order to boost collaborative work⁵, is based on some of the existing collaborative cloud editors (such as FontoXML, or CWRC writer), so its learning curve is low. The creation, modification, and eliminating of labels and attributes is done with only a few mouse clicks. Since not all projects have the same labeling needs⁶, each text in TEIScribe is linked to a particular scheme that establishes the TEI file structure (an XML file). All documents employed by the application are stored in a NoSQL database, a documental database, namely eXistdb, which organizes the different XML documents and schemes by project, and their correspondence. In this way, the tool greatly simplifies the user's work, since it can automatically detect and highlight mistakes on labels, which do not meet the requirement of associated schemes.

⁴ TEIScribe: Testing session in EVILINHD. <http://www.evilinehd.com:8080/Text-Editor/?session=prueba> [2016-05-24].

⁵ Nieves Baranda Leturio: BIESES project. Biografía de EScritoras Españolas. <http://www.bieses.net/> [2016-05-24].

⁶ Elena Spadini (2015): TEI and web-based editing tools. DiXiT Blog. <http://dixit.hypotheses.org/107> [2016-05-24].

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