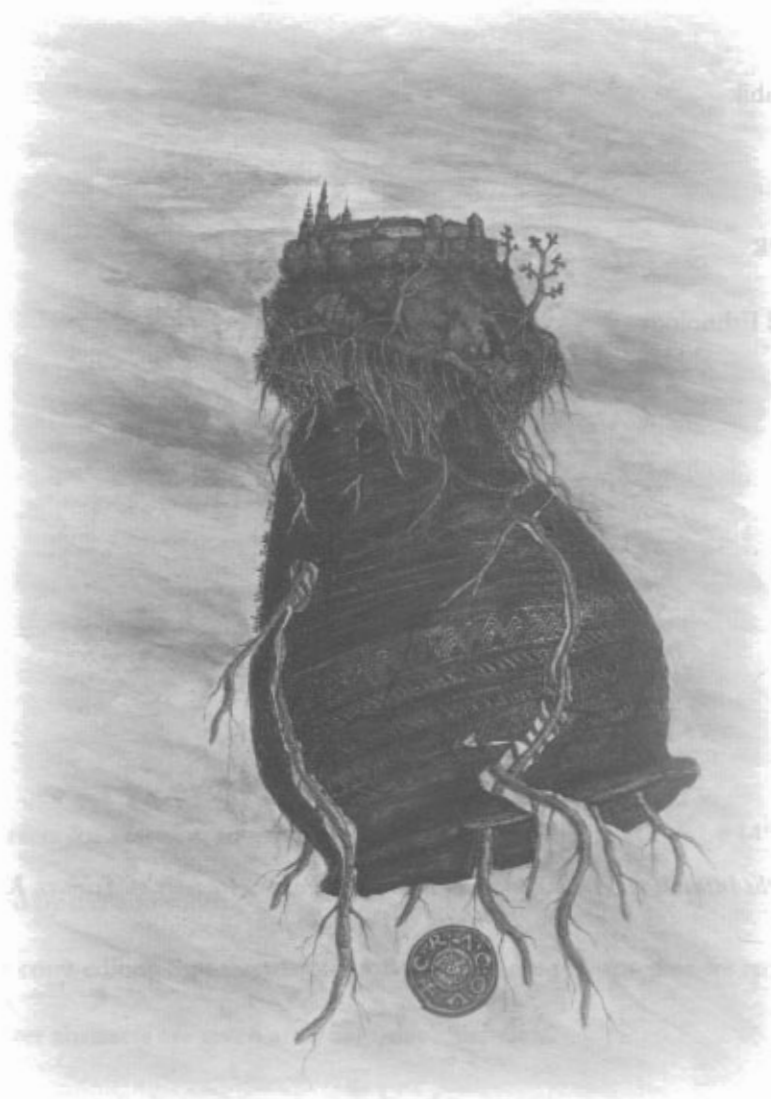


# EUROPEAN ASSOCIATION OF ARCHAEOLOGISTS

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# W3C STANDARD LANGUAGES AND OPEN SOURCE TOOLS FOR ARCHAEOLOGICAL DATA MANAGEMENT

Achille Felicetti, Franco Niccolucci, Andrea D'Andrea, Sorin Hermon

Access to data, interoperability and standard structure are vital to guarantee the usability and usefulness of Cultural Heritage records, as yet digitally archived in a myriad of different ways, stored separately from each other and dispersed, as the material culture they refer to, in huge quantity of different institutions.

The paper will relate the results of a project aimed at creating a tool suitable for data interchange, and to aid interoperability between existing and future repositories. Thus, the tool facilitates mapping different archaeological and museum collection data models (with various structures, as well as non-structured data, i.e. text description) to a common standard. Additionally, it generates from such mapping the necessary information to convert individual datasets to a common structure. The tool, based on XML and eXist database) enables an on-line access to data, for searching and updating existing databases.