

# 11th Annual Meeting

# European Association of Archaeologists

Cork 2005  
5-11 September



Cork City Council  
Comhairle Cathrach Chorcaí



University College Cork  
Coláiste na hOllscoile Corcaigh

**NRA**  
National Roads Authority  
*An tAútoras um Bóithre Náisiúnta*



SUPPORTED BY THE HERITAGE COUNCIL



LE CLUIDIO AN CHOMHAIRLE OIDHREACHTA

**BORD GÁIS**

**European Association of  
Archaeologists**

**11<sup>th</sup> Annual Meeting**

**Cork, Ireland**

**5-11 September 2005-08-31**

**Programme  
and  
Abstracts**

#### 14.35-14.55 Implementing Results of the ARCO Project in Archaeological Museums

*Andrzej Prinke, Poznań Archaeological Museum*

The aim of the paper is twofold: (1) to present the results of the three-year European IST project ARCO (2001-2004; <http://www.arco-web.org/>) that resulted in developing a set of computer tools and expertise for advanced visualization of museum collections, (2) to propose some practical implementations of this powerful technology to enhance the regular activities of archaeological museums.

The idea of ARCO is based upon the use of 3D representations of museum objects that can be created by the use of *object modelling* technology, stored in an XML driven *multimedia database*, managed with the help of user-friendly *content management application* and presented to end-users in *virtual and augmented reality interfaces*.

The ARCO system is an innovative, but simple-to-use technology that gives the museum curators broad range of possibilities to create interactive multimedia presentations of archaeological objects and to illustrate problems of early history that lay behind them in a dynamic and persuasive way. Such a message should be more communicative and attractive for the today's museum visitor, particularly of a younger generation.

The authors plan to design and develop several practical applications of the ARCO technology, such as: virtual museum exhibitions, e-catalogues of museum objects (popular as well as research-oriented), handbooks, and quizzes, to be used both within museums and on the web. Other institutions interested in the cooperation on the above topics are invited to join the probable working team that would prepare another European project.