Jürgen Nakott

„From Bones to Bytes“ – aktuelle anthropologische Forschung im Internet. Eine Kooperation zwischen Museums und populärem Wissenschaftsjournalismus

CELEBRATING THE 150TH ANNIVERSARY OF THE NEANDERTHALS RECOVERING

In 2006 the largest collection of digitised Neanderthal finds starts a new era of virtual archaeology at work.

TNT – The Neanderthal Tools

TNT is a combined technological developmentand research project providing advanced services and applications to improve access to Europe’s singular cultural heritage of collections and artefacts of the Neanderthals. The TNT applications use state-of-the-art technology to provide an integrated workflow of professional scientific collaboration in Neanderthal research. The collaboration and database platform

NESPOS

NESPOS is linked to the innovative 3D components ArteCore and GeoCore of the VISICORE Suite. The tools enable scientifically valid research on virtual primary sources for the first time. The „Neanderthal Studies Professional Online Service“ is a complete repository where paleoanthropologists and archaeologists can exchange their Neanderthal research results and share their ideas by a professional Wiki-based collaboration platform. The core data of the system will provide a variety of 3D scans of Neanderthal fossils and artefacts. NESPOS will significantly reduce the handling expenses of archaeological research and preserve the irrecoverable originals for future generations. Therefore NESPOS will support and encourage undergraduate researchers with special access and fellowship policies.
VISICORE Suite
The TNT 3D applications are conjoint in the Visual Simulation and Collaborative Rendering Engine. The VISICORE Suite provides a unique all-embracing archaeological visualisation and annotation tool collection that covers the whole scientific workflow from the topographies of an excavation campaign to the exploration and documentation of single finds and artefacts. The two main components are: ArteCore - the Artefact Exploration and Collaboration Rendering Engine provides a toolset of real-time 2D and 3D visualisation routines for the examination of the remains' virtual high resolution-representations without touching and damaging the originals.

GeoCore - the Geofact Mapping and Rendering Engine provides a mapbased geo information system for presenting, exploring, and editing of archaeological excavation data in realtime 3D perspective.

NATIONAL GEOGRAPHIC ARCHCHANNEL
To combine the professional scientific context with a popular service and tourism-related offerings by mobile Web accessibility the NATIONAL GEOGRAPHIC magazine will produce a layman-oriented Web site – launched in 2006 – with news and articles on the Neanderthal topic (see above right).

Die Tagung wurde veranstaltet durch das Fortbildungszentrum Abtei Brauweiler Rheinisches Archiv- und Museumsamt LANDSCHAFTSVERBAND RHEINLAND

Weitere Informationen unter: http://www.mai-tagung.de

Anmeldung für den Newsletter: http://www.mai-tagung.de/MAI-Ling