

Three dimensional digital scanning of museum objects and prototype manufacturing with Rapid Prototyping: The case of Kouros.

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The case of Kouros.

The background...

EcoMarble (Project Number GRD1-1999-10404) is a project that was funded by the European Commission in the frame of Competitive and Sustainable Growth thematic programme.



The team ...

Name of partner	Country	R&T role in project
GeoAnalysis SA	Greece	Co-ordinator & developer
The FitzWilliam Museum	U.K.	End-User
Focke-Museum	Germany	End-User
Fraunhofer Institute (IFAM)	Germany	Developer
ITP GmbH	Germany	Developer
Materialise N.V.	Belgium	Developer
Polyline S.A.	Greece	Developer
Archaeological Receipts Fund	Greece	End-User

The scope ...

Development of advanced tools for the production of artworks using marble industrial wastes

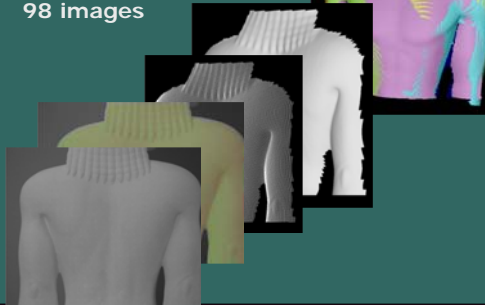


Extraction of 3d point clouds for objects using photogrammetry and/or laser scanning



Some of the 404 images taken

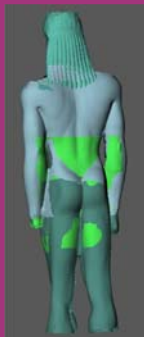
98 surfaces were calculated from 98 images



Calibration box



Connection of three big parts, filling the gaps, correcting imperfections and finalizing the digital model



We 12-jun-'02

Th 13-jun-'02 AM

Th 13-jun-'02 PM

Fr 14-jun-'02 AM



Fr 14-jun-'02 PM



Su 16-jun-'02



Mo 17-jun-'02



Mo 17-jun-'02

