

Proposal for a presentation at the

COSCH Working Group Meetings
Mainz, Germany, 27th March 2013

WG2: Identification of the main 3D scanning techniques suitable for use in CH objects

3D-Recording and Documentation of CH objects and findings

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Due to the cooperation with RGZM, a research institute for archaeology, i3mainz has been involved in many projects needing precise and adapted 3D recording techniques. Use cases range from small objects of a few cm³ to large excavations and landscapes which have to be documented geometrically.

Various techniques have been used for the 3D-documentation in the last years:

- Airborne Laser Scanning
- GPS
- Terrestrial 3D-Laser Scanning
- Total Stations
- Photogrammetry
- Close Range 3D-Scanners (triangulation and structured light)
- Structure from Motion techniques