Digitisation of Monuments and Archaeological Sites in Estonia

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Estonian War Museum – General Laidoner Museum

CD- ETA PROJECT INTERREGIONAL TRAINING WORKSHOP
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National registries

National registry of cultural monuments
register.muinas.ee

Estonian Museum Information System
muis.ee
Other registries

University of Tartu
  tara.ut.ee

University of Tallinn
  arheoloogia.ee
Digital tools at the archaeological fieldwork

Smartphones and GPS used for documentation on the field

Sites and digital elevation map in 3D of Rebala Heritage Reserve
Rescue excavations

Excavations prior/during construction work in Tartu

Cellar of a 14th century merchant house in Tartu
Some examples

Bronze Age cup-marked stone

Medieval aqueduct in Tallinn
Cup-marked stone at Tallinn Airport

Recording cupstone using laser scanning, photogrammetry and Reflectance Transformation Imaging
Mummies of University of Tartu Art Museum

Two mummies of boys from 4th - 2nd century BC at University of Tartu Art Museum

Model by Ragnar Saage / University of Tartu

Computer tomography by Maarja Mölder / Estonian Forensic Science Institute

Project: Interdisciplinary Studies of Mummies at University of Tartu Art Museum
Crowdsourcing: Ajapaik

ajapaik.ee
Shipwrecks

Recording (inland) shipwreck using laser scanning and modelling techniques
Ackermann project

Documenting the works of Christian Ackermann - the sculptor from 17th century

www.ackermann.ee
Analogue to Digital Photogrammetry

Pilot project to digitise and process photogrammetric glass plate negatives and re-use the digitised material to create digital photogrammetric model
Analogue to Digital Photogrammetry

Comparing two photogrammetric surveys of Padise Abbey: 1991 (K. Pärtna) & 2017 (Archaeovision)
Conclusions

- Data-bases
  - No official requirements and policies
  - Open access
- Documentation tools/methods
  - Photogrammetry
  - Laser scanning
- Future perspectives/plans/needs
  - Digital data archiving
  - Metadata requirements
Thank you for your attention

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