Excavation Interface in CRMarchaeo?

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Background: A puzzle in 4D project
digital preservation and reconstruction of an Egyptian palace

Digital long-term preservation of resources from Austrian excavations at Tell el Daba (Egypt) – 50 year

Identification of Stratigraphic Units, 3D reconstruction and development of an archaeological information system

➢ Ludwig Boltzmann Institute ArchPro

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Excavation methodology

Planquadrates - squares
• Stratum a/1: graves
• Stratum a/2: temple with offering pits (V. Müller 2008), graves
• Stratum b/1: settlement with large villae, cemeteries
• Stratum b/2: villae, with houses of the dead; Alleyways
• Stratum b/3: villae Egyptian style; Graves & cemeteries
• Stratum c: Squatter, mass graves
• Stratum d/1: palace (=Villa) 2 phases; Wall painting fragments; 2. gardens; Large cemetery (Schiestl 2009)
• Stratum d/2: Syrian-style house: oldest building of the first settlers
• Stratum e: settlement for workers (Czerny 1999)
• Stratum a/1: graves
• Stratum a/2: temple with offering pits (V. Müller 2008), graves
• Stratum b/1: settlement with large villae, cemeteries
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• Stratum d/2: Syrian-style house: oldest building of the first settlers
• Stratum e: settlement for workers (Czerny 1999)
Identify Stratigraphic Units

Planum drawing
Stratigraphic Units - pits (graves)
Physical objects - finds
Stratigraphic Units - layers

- Asche, Str. b1
- Lehm, Str. b3 früh
- Sand, Str. b2
- Sand, Str. b3
- Sand, Str. b3 früh
- Sand, Str. b3-2
- Sandziegel, Str. b1
- Sandziegel, Str. b2
- Sandziegel, Str. b3-2
- ohne Angabe, Str. b1
- ohne Angabe, Str. b3
Stratigraphic Units – walls and bricks
CIDOC CRM & Extensions

Excavation obj. – archaeological obj.

CRMscience & CRMarchaeo

CRMdig
A process resulting in the displacement of a limited amount of matter which has settled into a relatively stable form.
Thank you for your attention!

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