Metadata Schema for 3D Data Publication and Archiving
Valentin Grimaud, Sylvie Eusèbe, Sarah Tournon, Mehdi Chayani, Matthieu Quantin, Loïc Jeanson, Olivier Marlet, Sylvain Rassat, Xavier Granier

To cite this version:
Valentin Grimaud, Sylvie Eusèbe, Sarah Tournon, Mehdi Chayani, Matthieu Quantin, et al.. Metadata Schema for 3D Data Publication and Archiving. DARIAH Annual Event 2023: Cultural Heritage Data as Humanities Research Data?, Jun 2023, Budapest, Hungary. hal-04115874

HAL Id: hal-04115874
https://hal.science/hal-04115874
Submitted on 2 Jun 2023

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L’archive ouverte pluridisciplinaire HAL, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d’enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Distributed under a Creative Commons Attribution 4.0 International License
Objective: document the resources of a 3D deposit in the National 3D Data Repository

Sources: e.g., photographs
- 100 pictures (.JPG, .RAW, ...)

Processus: e.g., photogrammetry
- .PSX files

Results: e.g., 3D mesh
- .PLY File

Scientific informations

Deposit informations

Objectives and mains goals for the new metadata scheme

Goals
- Initially focused on archaeology and evolving to incorporate different disciplines.
- Simplify the general understanding for depositors

Approach
- Divided into generic and specific domain such as 3D restitutions or scans of “physical object” in archaeology.
- Simplify the metadata collection (reduce essential information and allow multiple individuals to provide metadata)
- Consideration of the diversity of 3D technologies and data
- Compatibility with existing metadata schemes

Mapping to CIDOC CRM, Dublin Core, EDM (in progress), ...
Valentin Grimaud1, Sylvie Eusebe2, Sarah Tournon-Valiente3, Mehdi Chayani3, Matthieu Quantin5, Loic Jeanson6, Olivier Marlet7, Sylvain Rassat8, Xavier Granier4

1LARA, CReAAH; 2INRAP; 3Archéosciences Bordeaux; 4IOGS (Institut d’Optique Graduate School); 5LS2N; 6INHA; 7CITERES / MSH VdL; 8LAMPEA