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Autore	Ioannides Marinos
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Nota di contenuto	Imperative of paradata -- Paradata: The Digital Prometheus -- Integrating Paradata, Metadata, and Data for an Effective Memory Twin in the field of Digital Cultural Heritage -- Dive into Heritage: paradata and metadata in an immersive digital heritage experience -- Digital Representations of Cultural Heritage: Enabling the Quality to Speak for Itself -- Making the Europeana Data Model a Better Fit for Documentation of 3D Objects -- Publishing and long-term archiving 3D data in humanities -- Virtual Access to Fossil & Archival Material from the German Tendaguru Expedition (1909-1913): more than 100 years of data-meta-paradata management for improved standardization -- IDOVIR – A New Infrastructure for Documenting Paradata and Metadata of Virtual Reconstructions -- Documentation

and publication of hypothetical virtual 3D reconstructions in the CoVHer project -- A Metadata/Paradata Design Framework for Historic BIM -- Toward a trustable digitisation of built heritage: the role of paradata -- Paradata to reuse holistic HBIM quality models in the SCAN-to-HBIM-to-VR process. The Mausoleum of Cecilia Metella and the Castrum Caetani -- Three-Dimensional Reconstruction of an Egyptian Saqia: A Computational Approach to Preserving Cultural Heritage and Water Management Systems -- Usable, Useful, Reviewable and Reusable Metadata: From Metadata and Paradata to UXdata and Back -- Digitising the National Collection.

Sommario/riassunto

This open access book presents a collection of papers focussing on 3D digitisation in the domain of cultural heritage. The use of data acquisition technologies in digitising cultural heritage holds great potential for preserving and disseminating the history of mankind. However, to exploit these opportunities in full, comprehensive guidelines for documenting the process of digitisation are required. Only then can the efficiency and credibility of digital representations be assured. A major focus of the 16 papers included in this State-of-the-Art Survey is on all aspects of the documentation of the digitisation process, i.e., the paradata, which, alongside the metadata, is critical to the scientific rigour, replicability and sustainability of digital heritage resources. The volume provides a useful resource for computer scientists, surveyors, archaeologists, architects, museologists and engineers.