



Description

Catacombs of San Gennaro, Naples, Italy. They were used for burials from the 2nd C. AD to the Middle Ages. We estimate 5,313.18 sq. m. excavated floor area based on scans, and another 1000+ square meters of tombs and chambers. Unexcavated areas are extensive. Scanning mostly in complete darkness.

1,115 FARO and Z&F scans were aligned in FARO SCENE, individually exported in e57 format, and imported into Reality Capture to align and mesh. Model cleaning was done in Geomagic Wrap and decimation/retopo was done Instant Meshes and Zbrush. UV unwrap/texturing was done Reality Capture and normal map was rendered in XNormal.

The result of a joint project of GDH, the Zamani Project, Università degli Studi di Napoli “L’Orientale”, and the Administration of the Catacombe di Napoli.

The descriptions were provided by Seniorprofessor Dr. Dieter Korol, Westfälische Wilhelms-Universität Münster

Specifications

Country: Italy

Region: Capodimonte-Naples

Provenance: Catacombs of San Gennaro

Internal ID: Catacombs

Digitization date: 19-30/09/2019

Digitization method: Photogrammetry/Laser Scanner

Photos / scans number: n/a 1115

Hardware: FARO Focus3D S70; Z&F 5010 & 5016; Sony A7iii

Lens: 35 mm

Lighting: LCD

Model URL: <https://globaldigitalheritage.org/model/complete-site-catacombs/>