

# UC San Diego

## Field Reports

### Title

Catalonia, Spain, June 20th-25th 2023. OpenHeritage3D and Calidos

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### Data Availability

The data associated with this publication are available at: <https://openheritage3d.org>

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# Catalonia, Spain

OpenHeritage3D

June 20th - 25<sup>th</sup> 2023

Prepared by Scott McAvoy Sept 29<sup>th</sup> 2023

In attendance

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Calidos (Calidos.cat) is a company based out of Tarrega, Spain, specializing in cultural heritage documentation and large scale public art installations. They are pioneers in digital heritage and art, and have been long time contributors to the OpenHeritage3D platform. They generously hosted CHEI staff in the Summer of 2023 in a brief campaign to digitize two cultural heritage sites in the Catalonian countryside. This is the first OpenHeritage3D expedition, with all data captured, curated, and processed, released on the OpenHeritage3D platform.

## **Monastery of Santa Maria de Santes Creus, June 21st 2023**

Built in the 12th century AD, and houses the royal tombs of Peter III of Aragon and his son King James II. It was in use by Cistercian monks until the mid-18th century, and was made a national monument in 1921. The site contains many highly ornate examples of Romanesque and gothic architecture and artwork. This dataset consists of 2245 images, 430 captured through manual drone flight, and 1815 from terrestrial cameras. Aerial photogrammetry covers the whole site, terrestrial photogrammetry covers the external courtyard and central gazebo. Drones were flown by David, Josep and Scott performed terrestrial photogrammetry. Data is made available on OpenHeritage3D:

### **Citation**

Calidos , David Giribet , Josep Giribet , Scott McAvoy , Cultural Heritage Engineering Initiative (CHEI) 2023: Monastery of Santa Maria de Santes Creus - Photogrammetry - Aerial , Photogrammetry - Terrestrial . Collected by Calidos . Distributed by Open Heritage 3D.

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## **Monastery of Santa Maria Vallsanta, Spain, June 21<sup>st</sup> 2023**

[Description from Wikipedia](#) translated from Catalan:

The construction of the monastery began in 1235. The new monastery was intended to replace that of Santa Maria de la Bovera . [2] which was in bad conditions due to lack of water. The community, composed of twenty-three nuns, moved in 1249 with

Agnes de Guimera as its first abbess . In 1267 the construction was already completed. It received several donations, highlighting the one made in 1272 by King Jaume I that financed a large part of the construction works of the cloister . [2] The community was active during the 14th and 15th centuries . There is no news about the origin of the monastery's income or whether it received later donations from the crown or the nobility. In 1348 the monastery was affected by a plague epidemic that decimated the community. A new epidemic ravaged the monastery in 1403, reducing it to the mother abbess, a mother prioress, a sexton and two sisters. In 1589 the cenobi was in complete decay; it had only three nuns, no abbess and debts were piling up. Francesc Oliver de Boteller, abbot of the Poblet monastery and general visitor of the Cistercian order, then ordered the nuns to move to the monastery of Santa Maria del Pedregal, [2] [3] located near Tarrega , which put an end to active life in Vallsanta. After the abandonment of the religious activity the building was left in ruins. This dataset consists of 1140 images, 303 captured through manual drone flight, and 837 from terrestrial cameras. Drones were flown by David, Josep and Scott performed terrestrial photogrammetry. Data is made available on OpenHeritage3D:

### **Citation**

Calidos , David Giribet , Josep Giribet , Scott McAvoy , Cultural Heritage Engineering Initiative (CHEI) 2023: Monastery of Santa Maria Vallsanta - Photogrammetry - Aerial , Photogrammetry - Terrestrial . Collected by Calidos . Distributed by Open Heritage 3D.

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