

Introduction



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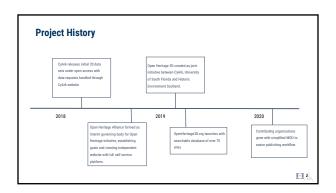
CyArk is a non profit organization founded in 2003 to digitally record, archive and share the world's cultural heritage and ensure that these places continue to inspire wonder and curiosity for decades to come. A core part of CyArk's mission is to provide open access to the 30 data collected in support of heritage conservation and interpretation. For more about our mission and focus areas please visit cyark.org.

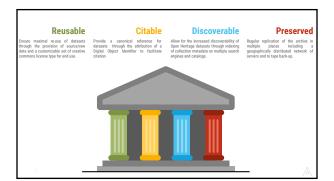
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Mission of OpenHeritage 3D



- Provide open access to 3D cultural heritage datasets for education, research
- Minimize the technical, financial and legal barriers for publishers of 3D heritage data.
- · Promote discovery and re-use of datasets through standardized metadata and data formats.
- Foster community collaboration and knowledge sharing in the 3D cultural heritage community.





Reusable

- OH30 aims to maximize re-use of datasets.
 Contributed datasets must include raw (or close to raw) sensor data (points and pixels) to enable re-processing of datasets by users.
 Derivatives data types are also welcome but only in combination with raw data.
 A menu of license types based on Creative Commons can be selected from and assigned individually to datasets.
 This can range from CCO (no rights reserved) through to very limited use rights.
 OH30 plans to revise our metadata schema to provide more extensive paradata and provenance metadata to assist users in evaluating and using datasets.





Attribution





Share-alike Non-commercial

Citable

- Provide a form of persistent identification, in which each DOI name permanently and unambiguously identifies the object to which it is associated.

 The DOI itself is permanent even if the location of the object it

- the DO inserts by perhalment event in the obtained on the object identifies changes over time. Provides a simple method for the citation of datasets to acknowledge reference and reuse. Each dataset on Open Heritage 3D is assigned a DOI upon publication. Regular reporting of outbound links to your DOI.



DIGITAL **OBJECT**

Example Citation:

CyArk. (2019). Church of Sveta Sofia [Data set]. Open Heritage.

Discoverable

- OH3D aims to maximize discoverability and accessibility of datasets by ensuring they are indexed where users are searching.
 OH3D conforms to open standards for describing metadata on our web page allowing them to be crawled and indexed on Google Dataset Search.
 We are in the process of becoming a contributor to Calisphere the University of California digital collections catalog.
 Calisphere shares all metadata with the Digital Public Library of America (DPLA) providing for statewide and national library dissemination at the same time.









Preserved

- The OH3D collection is replicated in multiple places to ensure longevity.
 OS3D is in the process of replicating data on Chronopolis, a

- OS3D is in the process of replicating data on Chronopolis, a geographically distributed preservation network. All data within the network is replicated across three geographically dispersed partner sites. Geographic distribution ensures that no single catastrophic event will affect the content. An additional copy of the collection is written to tape back-up and stored within tron Mountains' the Underground' a secure storage facility located 220 feet below the surface. Non-proprietary data formats are required for all raw data types to ensure future accessibility.





OH3D Portal

- The OH3D portal at http://www.openheritage3d.org is
- The OH30 portal at http://www.openherflage3d.org is designed to simple and easy to use. A map based interface allows users to explore data geographically as well as search for key terms from a subset of the metadata. Project data bounds separated by type are overlaid on a satellite based map to provide additional information to the
- user.

 LIDAR data can be inspected prior to download using an embedded Potree viewer this is rolling out to all datasets in the next 2 weeks.

 Data download requests require very little information from the user (name/affiliation/email) and links to download the data are emailed to the user and valid for 48hrs.



Contributors

- Institutions and companies that collect 3D cultural heritage data are invited to become contributors to the project.

 We have expanded to 8 contributing members from the 3 founding members at the beginning of the project.

 A simple Memoradum of Understanding is executed between CyArk and the contributing member.

 Contributors received a quarterly report about the downloads of their datasets including all metadata entered by end users. Contributors may remove their data from the platform at any time.
- For more information about becoming a contributor contact admin@openheritage3d.org







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What kinds of datasets are part of OpenHeritage 3D?











- Primary 3D cultural heritage data (required)
- Scientific Data Derivatives (Ortho Imagery, DEM, DSM, Meshes, etc...)
- Each dataset is uploaded in the same standard, non-proprietary formats and with a standard file structure to allow for consistency
- Standardized metadata fields describe the each dataset, the capture devices, project collection methodology, site description and significance and associated relevant entities.
- Data extents for each data type are displayed over a Google Maps layer.

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