

Data Structuring for the Uffizi Project

As experimented in past projects, we found convenient to store the data not in term of categories (images, models etc.), but considering as leading identifier the code of the physical object to which the documentation is referred, possibly enriched with a name explaining what that ID refers to. Once a main folder is created in such way, below it we store all the different types of data associated to the physical item: images, measurements, metadata and models.

The main folder name is created using the following rule:

InventoryNumber_ItemShortDescription

Below it the following subfolders:

InventoryNumber_Images, with two subfolders:

raw containing the raw images shot on the site

jpg containing the images possibly originated by post processing the original one (eg. balancing color or exposure) and actually used in the Photoscan/RC project.

InventoryNumber_Metadata containing at least the image of the label describing the artifact and possibly the metadata collection form properly filled.

InventoryNumber_Models containing the obj model(s) originated from photogrammetry. Different models could be there, like different resolution models, ZB editing projects etc.

InventoryNumber_Processing containing the photogrammetric project (s) and the metric data for scaling the project, like the image of the sketches drawn during the measurement campaign, or the list of distances in a txt file.

For example, the first two folder created for the “Pan” and for the “Medici Vase” are as follows:

307_Grande_Vaso_Mediceo

307_Images

jpg

DSC01089.JPG

...

DSC01327.jpg

raw

DSC01089.ARW

...

DSC01327.ARW

307_Metadata

Metadata.jpg

Notes.txt

307_Models

Notes.txt

Vaso3_old.jpg

Vaso3.jpg

Vaso3.mtl

Vaso3.obj

Vaso4_oriented.obj

Vaso4_oriented.obj.mtl

VasoMediceo.ZPR

307_Processing

307_2.files

307_2.psx

307.files

307.psx

Measurements.txt

Notes.txt

309_Pan_&_Hermaphrodite

309_Images

jpg

DSC00918.jpg

...

DSC01080.JPG

raw

DSC00918.ARW

...

DSC01080.ARW

309_Metadata

Metadata.JPG

309_Models

Fauno.jpg

Fauno.mtl

Fauno.obj

Fauno1.jpg

Fauno1(no mask).ply

309_Processing

Fauno1.files

Fauno1.psx

Fauno2.files

Fauno2.psx

Fauno3.files

Fauno3.psx

Measurements.JPG