

# A Quire Case Study:

## Collaborating with Non-Technical Colleagues

Erin Cecele Dunigan, Community Manager, Quire  
Ruth Evans Lane, Senior Editor, Getty Publications

# Create scholarly, visually rich digital books that last

Online · Print · E-book

Quire is an open-source multiformat publishing tool designed for longevity, discoverability, and scholarship. Using a single set of plain text files, Quire creates books as authoritative and enduring as print and as vibrant and feature-rich as the web—all without paying a fee or maintaining a complicated server.

Created by [Getty](#), free to use.

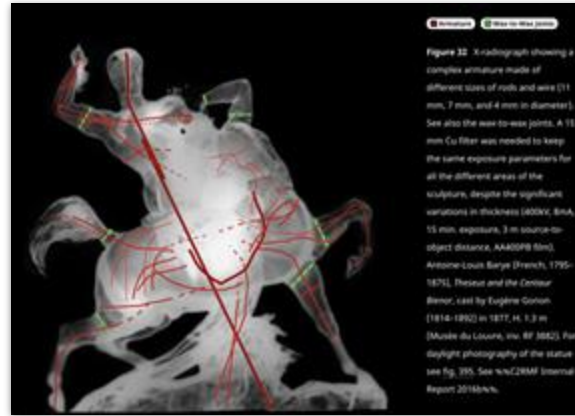
[Get Started](#)

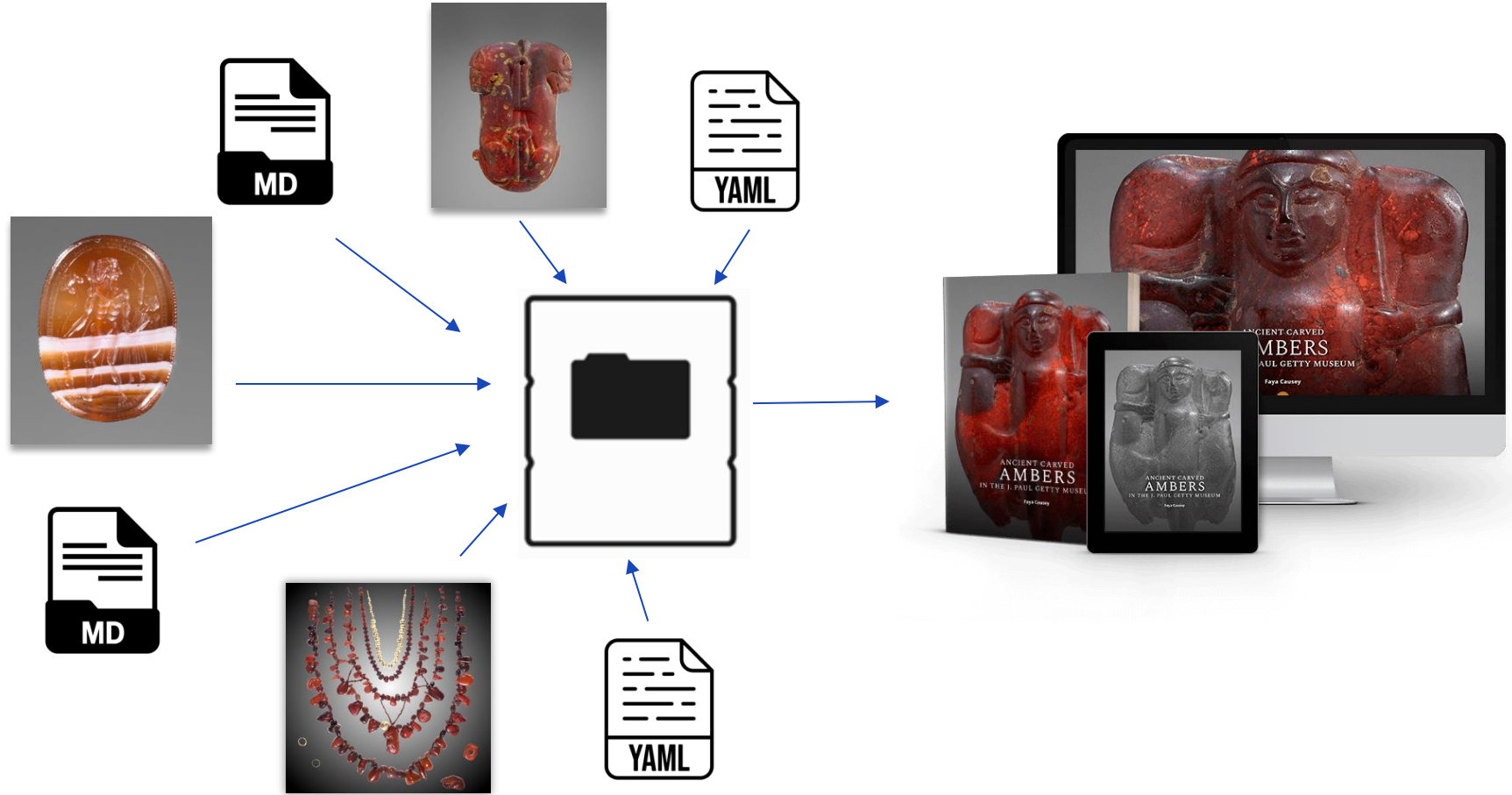
[View on GitHub](#) 

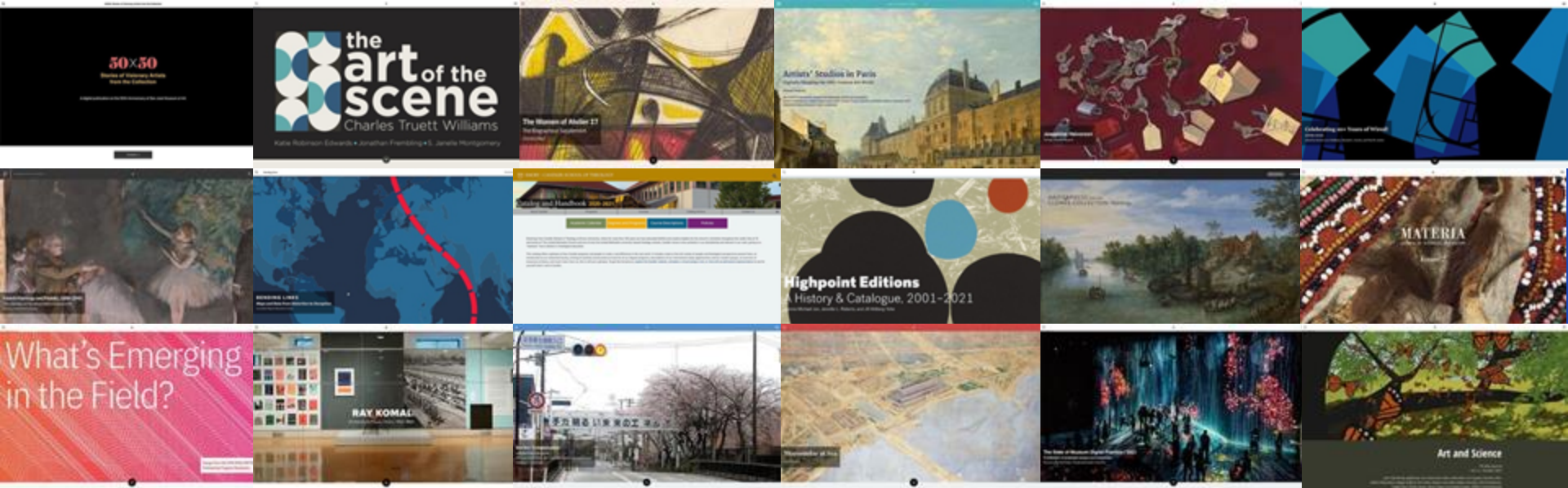


# Potential Digital Features

- High-res zooming images (IIIF)
- 360° rotating images
- Layered and annotated images
- Catalogue object sorting
- Accordion sections
- Pop-up citations and footnotes
- Pop-up glossary definitions
- Audio
- Video
- And more...

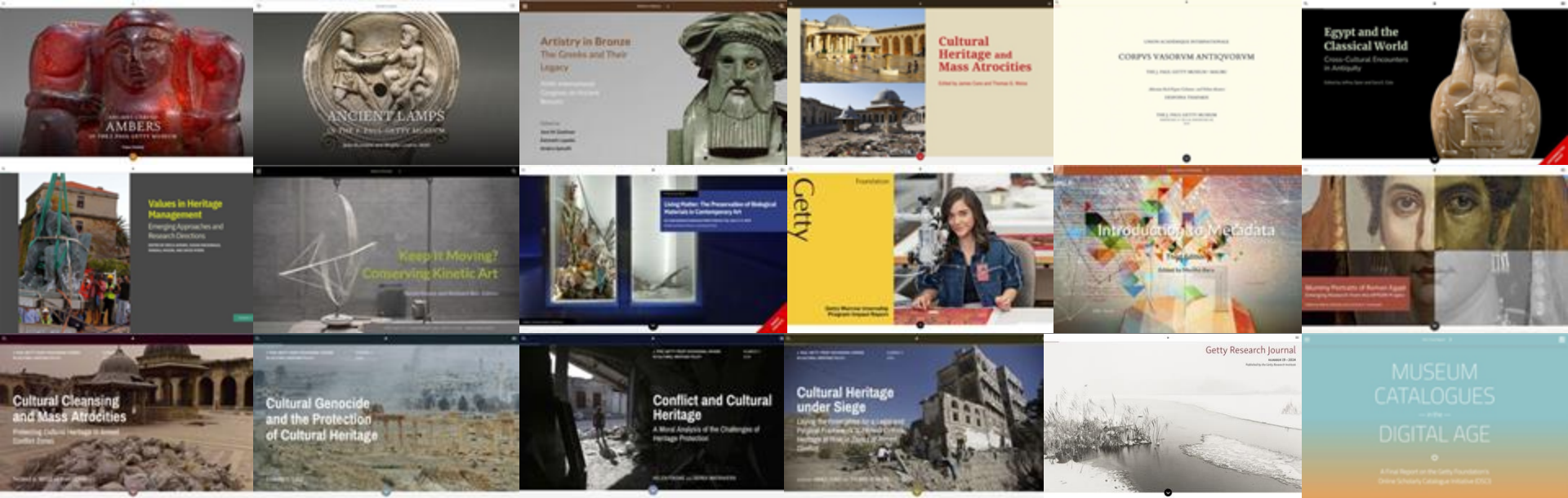






**Over 70 community projects  
with more in the pipeline**

<https://quire.getty.edu/community/community-showcase>



# Over 25 Getty projects with more in the pipeline

<https://www.getty.edu/publications/digital/digitalpubs.html>

## An Early Quire Adopter!



Eric Gardner (Former Developer), Ruth Evans Lane (Editor),  
and Greg Albers (Digital Publications Manager) show off  
Getty's inaugural digital catalogue, 2016

## The Book Team – Analog

### **The author/curatorial department**

Sometimes one and the same

### **Publishing team**

Editorial, rights, and production

### **Freelance support**

Copyeditor, proofreader, typesetter

### **Designer**

Creates publication layout



## The Book Team – Digital

### **The author/curatorial department**

Sometimes one and the same

### **Publishing team**

Editorial, rights, and production

### **Freelance support**

Copyeditor and proofreader

### **Digital team**

Puts content into Quire and generates formats



## Editing for Digital

**What does the author want?**

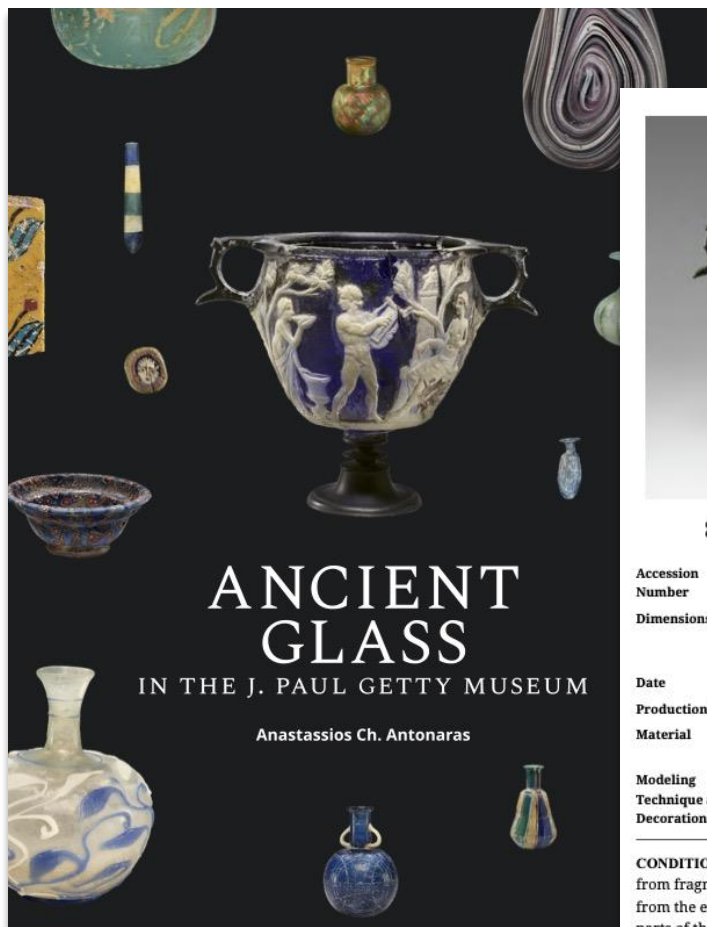
**What are we capable of?**

**What is best for this project?**

**Who will actually do the necessary work?**

# Collection Catalogue

- 584 objects with tombstone data, description, provenance, and other catalogue apparatus
- Scholarly essays
- Technical study
- Glossary of glassmaking terms
- Full bibliography



## 82. Cameo Glass Skyphos

<b>Accession Number</b>	84.AF.85
<b>Dimensions</b>	H. 10.5, Diam. rim 10.6, Th. 0.7 [blue: 0.5, white: 0.2] cm; Wt. 496.40 g (with the added base)
<b>Date</b>	15 BCE–25 CE
<b>Production Area</b>	Probably Italy
<b>Material</b>	Opaque white over translucent dark blue glass
<b>Modeling Technique and Decoration</b>	Mold cast; ground and polished

**CONDITION** Stem and base missing; body reassembled from fragments; chips missing from the broken edges, from the ends of the handle flanges, and from various parts of the figural scene.

**DESCRIPTION** Two-handled cup (skyphos), formerly on stem and foot. Rim rounded in the interior, with wheel-

I A 2 2 Cameo

84.AF.85

Title: Cameo Glass Skyphos

Accession\_number: 84.AF.85

Collection\_link: <https://www.getty.edu/art/collection/objects/10890>

Dimensions: H: 10.5 cm; R. Diam.: 10.6 cm; Th.: 0.7 cm [Blue: 0.5 cm; white: 0.2 cm]; W:

496.40 g (with the added base)

Date: 15 B. C.-A. D. 25

Start\_date:

End\_date:

### Description and Comments

Attribution: Production area: Probably Italy

Material: Opaque white over translucent dark blue glass

Modeling technique and decoration: Cast in a mold, ground and polished.

Condition: Stem and base are missing, body reassembled from fragments, chips are missing from the broken edges, from the ends of the handle flanges, and from various parts of the figural scene.

Description: Two-handled cup, i.e. skyphos, formerly on stem and foot.

Rim rounded in the interior, wheel-cut groove below the rim in the interior and another on the exterior; body with slightly convex sides that taper towards the flat, faintly convex bottom. Wheel-cut stem, broken just below bottom of cup. Two vertical circular handles, attached to rim, and to body at its maximum diameter, with horizontal finger-rests, a nick part-way down the outside of the curve and long downward-curving thumb-rests.

A continuous, thick and straight ground line on the lower part just above the transition to the bottom and the wheel-cut groove below the lip delineate the space on both sides of the vessel on which two religious scenes referring to the participation of Ariadne in rituals of the Dionysiac cult, and perhaps of Cybele, rendered in white cameo are evolving. The scenes are divided by the two handles. Below each handle is a mask of a Silenus.

Side A: On the left side is a tree with broad leaves, probably a fig-tree, and with two branches one of which –divided at its upper part into two - extend up and behind a naked satyr, who is moving in three-quarter profile to left, looking in profile to right. The satyr is holding in his right hand a pan-pipes (*syrix*), and in his left hand and resting against his forearm a Bacchic crooked staff (*pedum*). At the center of this side is a seated on a seven-layered rocky outcrop, a female figure, identified as Ariadne, the Cretan princess, who was abandoned by Theseus on the Island of Naxos, and Dionysos

## Step 1: The Word Document

The author writes the manuscript as a Word document.

This is an example of a page from an unedited manuscript, with tombstone information at top.

Label: 82  
Title: Cameo Glass Skyphos  
Accession\_number: 84.AF.85  
Collection\_link: <https://www.getty.edu/art/collection/objects/10890>  
Dimensions: H. 10.5, Diam. rim 10.6, Th. 0.7 [blue: 0.5, white: 0.2] cm; Wt. 496.40 g (with the added base)  
Date: 15 BCE–25 CE  
Start\_date: -15  
End\_date: 25  
Attribution: Production area: Probably Italy  
Culture: Roman  
Material: Opaque white over translucent dark blue glass  
Modeling technique and decoration: Cast in a mold, ground and polished  
Inscription: No  
Shape: Skyphoi  
Technique: “Cast”-rotary pressed

### Condition

Stem and base missing; body reassembled from fragments; chips missing from the broken edges, from the ends of the handle flanges, and from various parts of the figural scene.

### Description

Two-handled cup (skyphos), formerly on stem and foot. Rim rounded in the interior, wheel-cut groove below the rim in the interior and another on the exterior; body with slightly convex sides that taper toward the flat, faintly convex bottom. Wheel-cut stem, broken just below bottom of cup. Two vertical circular handles, attached to rim, and to body at its maximum diameter, with horizontal finger-rests, a nick partway down the outside of the curve, and long, downward-curving thumb rests.

A continuous thick, straight groundline on the lower part just above the transition to the bottom and the wheel-cut groove below the lip delineate the space on both sides of the vessel on which two religious scenes rendered in white cameo are evolving. These scenes illustrate the participation of Ariadne in rituals of the Dionysiac cult, and perhaps of Cybele. The scenes are separated by the two handles. Below each handle is a mask of a Silenus.

Side A: On the left side is a tree with broad leaves, probably a fig tree, of which two branches—one divides in its upper part into two—extend up and behind a naked satyr, who is moving in three-quarter profile to left, looking in profile to right. The satyr is holding in his right hand a pan-pipe (syrinx), and in his left hand, resting against his forearm, a Bacchic crooked staff (pedum). At the center of this side, seated on a seven-layered rocky outcrop, is

## Step 2: The Tagged Manuscript

The copyeditor starts setting up the Word document to facilitate conversion into YAML and Markdown.

This is the file that went to the digital team.

```

label: "82"
title: "Cameo Glass Skyphos"
layout: entry
order: 341
presentation: side-by-side
# toc: false
#menu: false
object:
  - id: "cat-82"

```

#### ## Condition

Stem and base missing; body reassembled from fragments; chips missing from the broken edges, from the ends of the handle flanges, and from various parts of the figural scene.

#### ## Description

Two-handled cup (skyphos), formerly on stem and foot. Rim rounded in the interior, with wheel-cut groove below the rim in the interior and another on the exterior; body with slightly convex sides that taper toward the flat, faintly convex bottom. Wheel-cut stem, broken just below bottom of cup. Two vertical circular handles, attached to rim and to body at its maximum diameter, with horizontal finger-rests, a nick partway down the outside of the curve, and long, downward-curving thumb rests.

A continuous thick, straight groundline on the lower part just above the transition to the bottom and the wheel-cut groove below the lip delineate the space on both sides of the vessel on which two religious scenes rendered in white cameo are evolving. These scenes illustrate the participation of Ariadne in rituals of the Dionysiac cult, and perhaps of Cybele. The scenes are separated by the two handles. Below each handle is a mask of a Silenus.

Side A: On the left side is a tree with broad leaves, probably a fig tree, of which two branches—one divides in its upper part into two—extend up and behind a naked satyr, who is moving in three-quarter profile to the left, looking in profile to the right. The satyr is holding in his right hand a pan-pipe (syrinx), and in his left hand, resting against his forearm, a Bacchic crooked staff (pedum). At the center of this side, seated on a seven-layered rocky outcrop, is a female figure, identified as Ariadne, the Cretan princess who was abandoned by Theseus on the island of Naxos; Dionysos discovered her there and married her. She is shown in three-quarter profile to the left, head in profile to the right, her right arm thrown over her head and touching her forehead, her left arm vertical, with her hand flat on the rock on which she sits, torso naked, lower limbs covered with a drape that is also drawn up over her right arm. Behind her is a female figure, a maidservant standing in profile to the left, head garlanded, torso naked, lower limbs draped; her arms are extended to offer Ariadne a rectangular or circular object covered with layers of cloth, identified as a sacred basket (liknon), perhaps depicting the revelation of the Bacchic cult mysteries. On the right side, a tree with tightly narrow leaves growing vertically upward, probably a nut tree, closes the scene.

## Step 3: The Conversion

The digital team takes the manuscript, converts the Word files into Markdown, and then puts it into Quire.

They also separate out the refined tombstone information and put it into a YAML file for use as data.

```

id: cat-82
label: "Cat. 82"
accession_number: "84.AF.85"
link: <https://www.getty.edu/art/collection/objects/10890>
dimensions: "H. 10.5, Diam. rim 10.6, Th. 0.7 [blue: 0.5, white: 0.2] cm; Wt. 496.40 g (with the added base)"
date: "15 BCE–25 CE"
start_date: "-15"
end_date: "25"
production_area: "Probably Italy"
culture: "Roman"
material: "Opaque white over translucent dark blue glass"
modeling_technique_and_decoration: "Mold cast; ground and polished"
inscription: "No"
shape: [ "Skyphoi" ]
technique: [ "'Cast'-rotary pressed" ]
figure: [ id: "fig-84-AF-85-a", id: "fig-84-AF-85-b", id: "fig-84-AF-85-c", id: "fig-84-AF-85-d", id: "fig-84-AF-85-e", id: "fig-84-AF-85-f", id: "fig-84-AF-85-g", id: "fig-84-AF-85-h", id: "fig-84-AF-85-i", id: "fig-84-AF-85-j", id: "fig-84-AF-85-k", id: "fig-84-AF-85-l", id: "fig-84-AF-85-m", id: "fig-84-AF-85-n", id: "fig-84-AF-85-o" ]
path: /catalogue/cat-82/

```

# Step 4: The Unexpected

```
catologue > a_vessels > l_ancient > 3_blow > 1_mold_blow > 1_fully_mold_blow > 5_unguentaria > 1_unguentaria_handleless > cat-192.md > ...
1
2 label: "192"
3 title: "Hexagonal bottle with High Relief Vessels Type / Flask"
4 layout: entry
5 order: 584
6 presentation: side-by-side
7 # tac: false
8 menu: false
9 object:
10 | - id: "cat-192"
11 ----
12
13 ## Condition
14
15 Intact. Some incrustation on the interior and small areas of the exterior.
16
17 ## Description
18
19 Flaring, in-folded tubular rim; long cylindrical neck mildly constricted toward the body; hexagonal body; low base mildly, concave bottom with three straight mold seams that meet at the center.
20
21 On the shoulder, six pointed arches, each containing an unidentified large, egg-shaped object. On the body six re panels divided by columns, each with an abacus and torus capital, smooth shaft, and high double torus base. In the appear six vessels from left to right:
22
23 [Seam, concealed in the bunch of fruit and the shaft of the column]
24
25 1. Oinochoe, spouted jug with handle to the right.
26
27 2. Krater, a footed bowl with tall cylindrical neck with vertical grooves, oblate body, and tall crooked stem, the with two rows of rounded objects.
28
29 [Seam, concealed in the bunch of fruit and the shaft of the column]
30
31 3. Amphora, a footed wide-mouthed vessel with two vertical handles on the shoulder. If not an amphora, probably a with the third handle turned to the back.
32
33 4. Krater, footed bowl with wide opening and two curving handles from shoulder to rim, the opening containing three rounded objects, probably fruits.
34
35 [Seam, concealed in the bunch of fruits and the shaft of the column]
36
37 5. Oinochoe, a footed jug with a round mouth and high handle to the right.
38
39 6. Amphora, a second footed wide-mouthed vessel, as in panel 2.
40
41 Around the bottom, fillets suspended from the center of one panel to the center of the adjacent panel, with alter large and small fruits with knobbed surfaces below each column, the larger ones on the seams and covering the fil
42
43 ## Comments and Comparanda
44
45 See (% cat '2003.297' %).
```

Catalogue / A. Vessels / 1. Ancient / 3. Blown / 1. Mold Blown / 1. Fully Mold Blown / 5. Unguentaria / 1. Unguentaria Handleless

## 192. Hexagonal bottle with High Relief Vessels Type / Flask

<b>Accession Number</b>	2003.299
<b>Dimensions</b>	H. 8.5, Diam. rim 1.8, Diam. base 1.9 cm; Wt. 26.13 g
<b>Date</b>	First half of the first century CE
<b>Attribution</b>	Production area: Phoenician region
<b>Material</b>	Translucent blue glass
<b>Modeling Technique And Decoration</b>	Body blown into a four-part mold of three vertical sections joined to a disk-shaped base section. Mold seams between panels 2 and 3, 4 and 5, 6 and 1. Free-blown and tooled neck and rim

### CONDITION

Intact. Some incrustation on the interior and small areas of the exterior.

### DESCRIPTION

# Step 5: It's A Beautiful Book!

81. Bowl      83. Vessel Fragment, Probably a Skypho

1 of 15

Catalogue

## 82. Cameo Glass Skyphos

<b>Accession Number</b>	84.AF.85
<b>Dimensions</b>	H. 10.5, Diam. rim 10.6, Th. 0.7 [blue: 0.5, white: 0.2] cm; Wt. 496.40 g (with the added base)
<b>Date</b>	15 BCE–25 CE
<b>Production Area</b>	Probably Italy
<b>Material</b>	Opaque white over translucent dark blue glass
<b>Modeling Technique and Decoration</b>	Mold cast; ground and polished

[View in Collection](#)

### CONDITION

Stem and base missing; body reassembled from fragments; chips missing from the broken edges, from the ends of the handle flanges, and from various parts of the figural scene.

### DESCRIPTION

Front profile from above

SECOND PAGES

# And you can sort it!

## Catalogue

Culture Roman ▾

Inscription All ▾

Shape Skyphoi ▾

Technique All ▾

Apply Filters

Reset



Cat. 82



Cat. 83



Cat. 266

SECOND  
PAGES



# Advice for Collaboration with Non-Technical Colleagues

## Create Tools

Work together to create resources/guidelines for both analog and digital colleagues

## Ask Questions

Ask questions before starting a project to keep everyone on the same page

## Set Clear Expectations

Create examples/prototypes to ensure nothing is lost in translation

## Minimize Changes to the Workflow

If possible, don't deviate from standard workflow to prevent time consuming confusion/errors

## Get Comfortable Saying No

The digital opens up so many more possibilities but quickly becomes a slippery slope!



**Thank you.**

Erin Cecele Dunigan

[Edunigan@getty.edu](mailto:Edunigan@getty.edu)

Ruth Evans Lane

[rlane@getty.edu](mailto:rlane@getty.edu)