



Getty Scholars' Workspace™

USER GUIDE | Version 1.0

Note that a revised and improved version of Getty Scholars' Workspace was released on October 25, 2016. If you downloaded and installed Getty Scholars' Workspace prior to that date, you are running Getty Scholars' Workspace Version 1.0 (released February 24, 2016), the version for which this guide is intended. If you are unsure which version of Scholars' Workspace you are running, please contact your system administrator.

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Introduction

The Getty Research Institute (GRI), with support from two consecutive partnership grants from the Seaver Institute, developed Getty Scholars' Workspace™ to be a digital environment for art historians and scholars in related fields to conduct collaborative research projects unhindered by geographic distance, using open-source toolsets. We believe that as a research environment that facilitates the advancement of digital art history and by extension the digital humanities, Getty Scholars' Workspace is emblematic of a shift in the ways in which art history research is practiced. A polyvocal platform for collaborative

research, Getty Scholars' Workspace is not simply a set of tools, but a way to capture the scholarly process and dialogue among researchers.

The foundational technology for Getty Scholars' Workspace is Drupal, an open-source content management system, in combination with other open-source tools. This allows the software to be freely used, modified, and shared (in modified or unmodified form) by anyone.

NOTE: It is highly recommended that Getty Scholars' Workspace be installed and maintained by an experienced IT professional. This user guide is intended for art history and humanities scholars and their project teams. System administrators looking for installation guidelines should consult the Installation Instructions.

Before You Get Started

Q. Can I install Getty Scholars' Workspace on my own computer?

A. If you have the necessary technical skills, you can install a local version of Getty Scholars' Workspace on your own computer, but this is not recommended because it disables the collaborative features that are the hallmark of the toolset.

Q. Will I need help from a technology specialist?

A. Yes. We strongly recommend that an experienced system administrator install and maintain the instance of Getty Scholars' Workspace for use on a server at your institution.

Q: I am interested in publishing something similar to [Pietro Mellini's *Inventory in Verse, 1681*](#) (2015) or [Élie-Honoré Montagny's "Réceuil d'antiquités"](#). Will Getty Scholars' Workspace allow me to produce a similar publication?

A: Getty Scholars' Workspace is a research environment *only*. It has no ability to directly publish to the web or any other platform. It does give you the ability to export the data and other assets produced during the course of a research project, which you can then prepare for publication on the web.

Q: Is Getty Scholars' Workspace used to analyze only materials from the Getty Research Institute's Special Collections?

A: No! Getty Scholars' Workspace can be used with digitized materials from any collection.

Q: Does the Getty Research Institute offer technical support for users of Getty Scholars' Workspace?

A: No. Neither the Getty Research Institute nor any part of the Getty Trust offers direct technical support. Installation instructions and the user guide you are currently reading are downloadable from the Getty Scholars' Workspace web page. The open-source community may generate more significant support.

Q: What are the system requirements for Getty Scholars' Workspace?

A: Getty Scholars' Workspace is built in version 7.21 of Drupal, an open-source content management system. Visit Drupal.org for the most current details on system and server requirements.

Q: Should I run Scholars' Workspace Version 1.1 or Version 1.0?

A: It is recommended that you run the most up-to-date version of Getty Scholars' Workspace. If you downloaded Getty Scholars' Workspace prior to October 25th, 2016, you will be running Version 1.0. All downloads after the October 25th release date will run Getty Scholars' Workspace Version 1.1. If you are unsure which version of Scholars' Workspace you are running or if you are interested in updating your workspace, please contact your system administrator.

Getting Started

User Permissions and Roles

Every user must have a username and password to access his or her institution's instantiation of Getty Scholars' Workspace. Additionally, the workspace requires that specific, predefined roles be assigned to the members of a project team. Each role has its own set of permissions for creating, editing, and deleting content. The following is a brief breakdown of the different roles and their permissions. Note that users may be assigned more than one role and that your system administrator can customize the permissions for each role.

Roles

The following are the roles and permissions developed by the Getty Scholars' Workspace team. Note that any role can be modified within the Drupal environment to suit the needs of your particular research team. As stated above, multiple roles can be assigned to a single user; for example, a Scholar who wants to take a more active role in the technical administration of the project could also be a Group Administrator.

- **Member:** "Member" is Drupal's default setting for anyone who is added to a project. In the Getty version of Getty Scholars' Workspace, Members can view all content for the project or projects to which they have been given access by the Group Administrator, but they cannot add, delete, annotate, or comment on any content, nor can they participate in forums.

- **Scholar:** Scholars have access to the full suite of Project Tools and Annotation capabilities.
- **Research Assistant:** Research Assistants can do everything a Scholar can do, with the additional ability to edit and delete content produced by anyone on the project team; note that changes of this kind made by a Research Assistant should only occur under the supervision of either the leader(s) of the scholarly research team or a scholar who has created content within Scholars' Workspace.
- **Group Administrator Member:** Group Administrators can do everything that Research Assistants can do. Additionally, they can approve comments, add users to the project team, and access the Drupal backend in which Getty Scholars' Workspace operates. Because the Group Administrator is responsible for all technical aspects of the project, he or she should work closely with the system administrator of his or her particular institution. Note that all intellectual and editorial decisions regarding the actual content within the workspace—be it digital facsimiles, images, or comments and annotations—are made by the leader(s) of the research project.

Logging In

- To access the workspace, navigate in your web browser to the URL provided by your system administrator.
- Use the username and password provided by your system administrator to log in. If you forget your username and/or password, contact your system administrator or IT department.

Getty Scholars' Workspace Main Page

After logging into Getty Scholars' Workspace you will arrive at the main page, which provides access to all projects in your institution's instantiation of Getty Scholars' Workspace. On the left side of the main page, the "My Content" board lists your recently created content in any of the projects to which you have access. On the right side of the main page, the "Recently Updated" board lists all content that has recently been updated by your team members. These lists can be sorted by clicking on the headings ("Project," "Content Type," etc.).

Adding a New Project

With the appropriate user permissions, you can create a new project by clicking on "Add project" in the upper left side of the main page. This takes you to the "Create Project" page where you can title a new project, write a brief summary of the project, and upload an image to be used as the project's icon.

Accessing an Existing Project

Click the appropriate icon on the main page to access a particular project.

Deleting a Project

Contact your Group Administrator or system administrator if you would like to delete a project. Note that this action cannot be undone.

Project Dashboard

The Project Dashboard provides access to all project-related features. To access a Project Dashboard, select a project from the list at the top of the main page. Content in the “My Content” and “Recently Updated” boards from the Getty Scholars’ Workspace main page is now specific to your chosen project.

From the Project Dashboard you can access:

Navigation Menu

The Navigation Menu contains the following links:

- **Getty Scholars’ Workspace:** Clicking on this text takes you back to the main page.
- **Project List:** Hovering over the project title directly adjacent to the “Getty Scholars’ Workspace” link on the dashboard pulls up a list of all of the projects to which you have access.
- **Manage Members:** For users with the relevant permissions, clicking on “Manage Members” allows them to add members to the active project, and to assign their role or roles. Note that only Group Administrators have full access to this function.
- **Forum:** Clicking on “Forum” in the navigation menu enables users to create message boards to discuss specific aspects of a project.
- **Download Project:** Clicking on “Download Project” enables users to extract the project content as a zip file comprising an XML document containing all of the textual data from the project and a folder containing all images from the image bank.

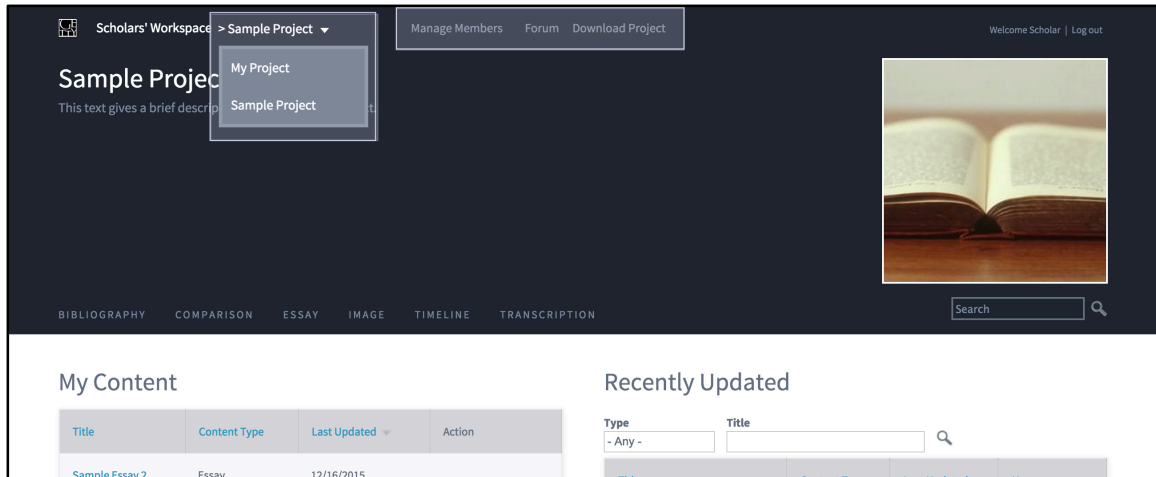


Figure A—screenshot of dashboard with navigation menu highlighted

The Project Tools, which appear in alphabetical order at the bottom of the page header, are:

- Bibliography
- Comparison
- Essay
- Image
- Timeline
- Transcription

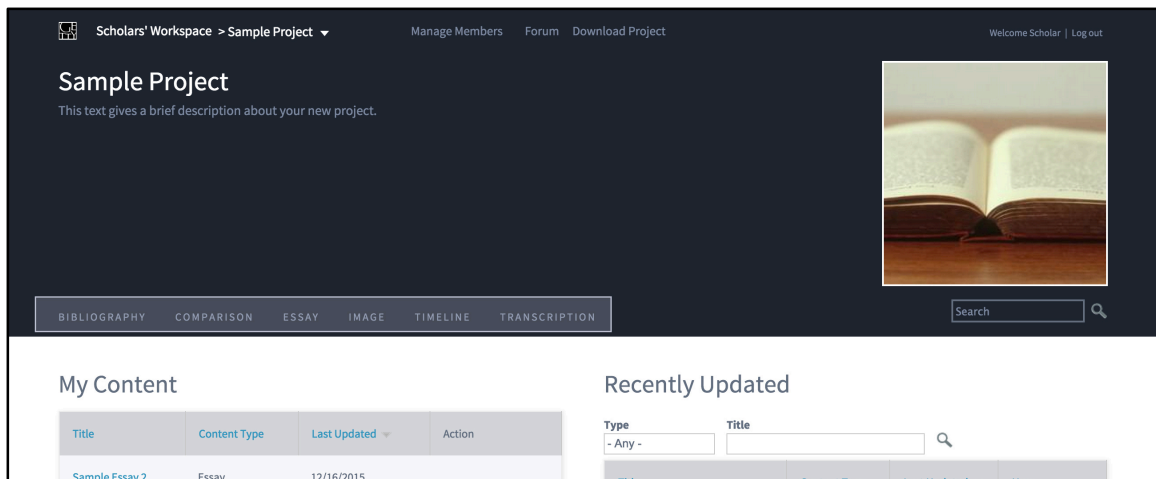


Figure B—screenshot of dashboard with Project Tools menu highlighted.

Project Communication

Forums

Forums are message boards for members of a project. You can add as many Forums to your project as you desire. Forums are meant for broad subjects such as “Technical Issues” or “Research Questions.” Forum Topics, on the other hand, can be used to discuss more specific subjects such as “Image Resizing” or “Provenance Research.” Create a new Forum by clicking on “Add New Forum.”

RECOMMENDATION: *We encourage project teams to use the Forum tool instead of email to track all project discussions—both scholarly and technical—in a single, central location.*

Forum Topics

When adding a new Forum Topic, use the “Subject” field to title a new topic. Use the “Forum” dropdown menu to add the new topic to your chosen Forum. Then, state the issue or question in the text box below. Finally, click “Save” at the bottom of the page.

Forum Entries

To respond to Forum Entries, click the “Add new comment” button to reply.

Comments

Users with the relevant permissions are able to comment on all content types (texts, images, comparisons, essays, transcriptions, bibliographic references, etc.) except the Timeline. To comment on an image, essay, or other content type, scroll to the bottom of the page to the “Add new comment” section. There, you can write a comment using the full suite of options found in the Essay tool: add a table, add an image, add a footnote, add a bibliographic reference, add a reference to an image comparison, add an image from the project’s image gallery. Note that the Comment function is different from the Annotation tool, which is described in the Project Tools section below.

Project Tools

Getty Scholars’ Workspace has a number of tools to aid your project team. This section is an overview of what the tools do and how to use them.

Bibliography Tool

A project’s bibliography is located on the Bibliography page. You can sort the contents of a bibliography by selecting one of the categories listed under “Sort by bibliographic grouping,” and clicking the magnifying glass icon. To select more than one category at the same time, hold down

“Control” on your keyboard as you click on your chosen categories. You can add content to the bibliography by clicking on “Add new citation,” located above the category list. It is also possible, and even recommended, to import references from [Zotero](#). To upload bibliographic references from Zotero, click on “Import citation.”

Adding a Bibliographic Reference

Clicking on “Add new citation” directs you to the “Create Bibliography” page. Once you have filled in the fields under the “Bibliography” tab and have clicked “Save,” a reference will automatically be generated for you. Fields marked by a red asterisk are required. Users can also add a URL type (if appropriate), tag the citation using an option from the Bibliographic Tags list, and upload a document file¹ (if appropriate). When ready, click “Save” at the bottom of the page.

Importing Citations

In order to import citations from another citation management system, you must first export the citations from the citation management system (see your citation management system’s support documentation for instructions). You can then import those citations into Getty Scholars’ Workspace as mentioned above. To do so, click “Import citation,” located above the category list, which directs you to the Bibliography Import page. Then, click the “Browse” button, find and select the exported citation(s) in the pop-up finder window, and click “Open.” Finally, click the “Import” button on the Bibliography Import page. A progress bar will appear. This process may take as long as a minute. The import is complete when the progress bar has fully loaded.

¹ Documents must be under 2 MB.

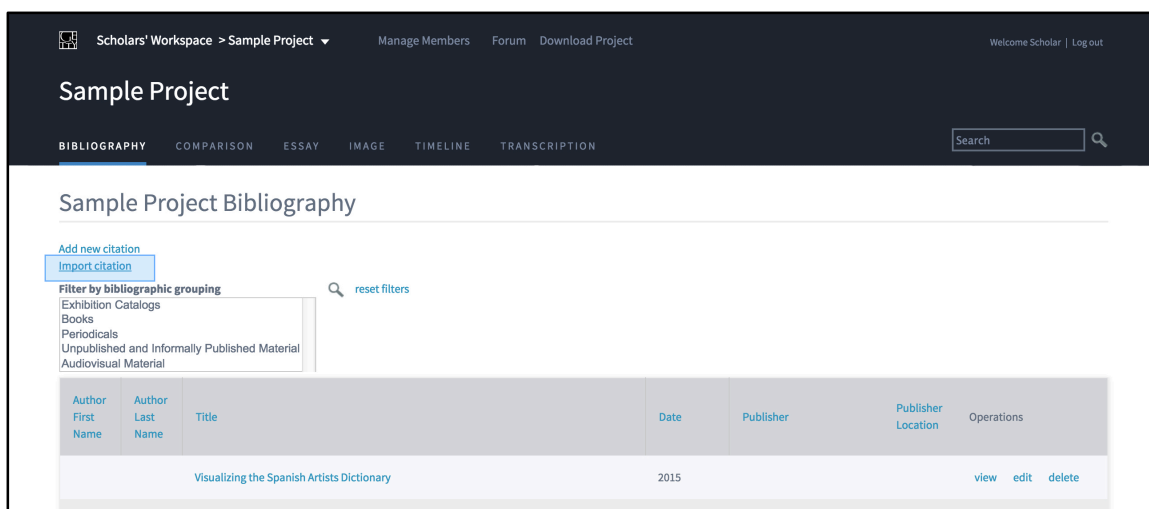


Figure C—screenshot of Bibliography page with “Import Citation” highlighted

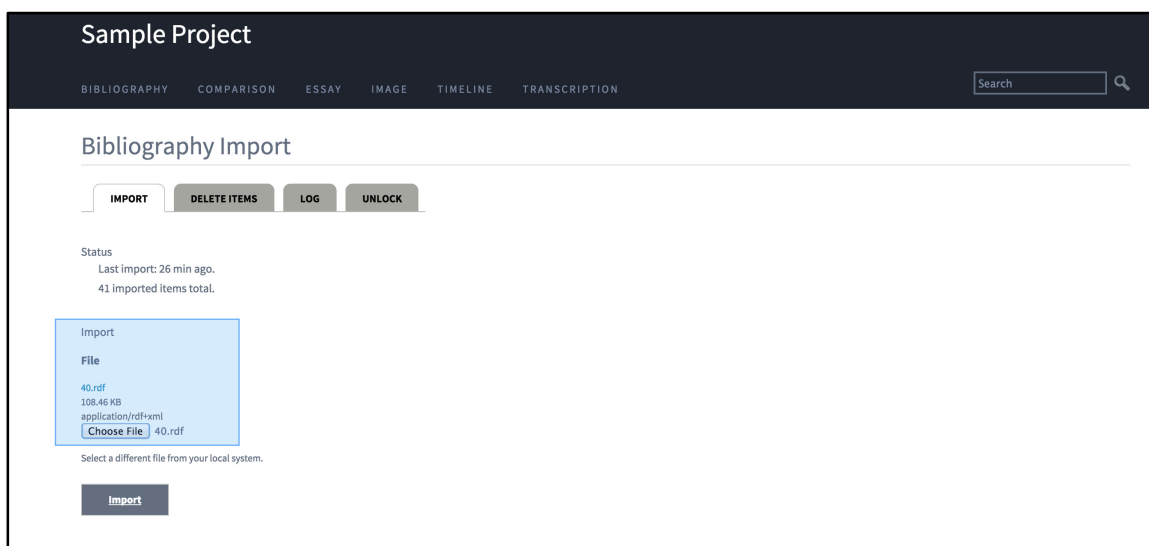


Figure D—screenshot of Bibliography page with “Choose File” button selection highlighted

Exporting Citations

To export a citation, click the citation’s link and then select the “DOWNLOAD RDF” or “DOWNLOAD RIS” tab (your choice here depends on the citation management system you are using), and your download will begin.

Sorting by Bibliographic Group

As indicated above, the bibliography for a particular project can be sorted by selecting one of the categories listed under “Sort by bibliographic grouping.”

Comparison Tool

The Comparison tool enables users to compile images from a project's image gallery and save them as a group. Titles of existing comparisons are listed on the left side of the Comparison page. Click a comparison's title to review the images. To create a new comparison, you must use the Light Table. To access the Light Table and create a new comparison, click on "Add new comparison" in the upper left side of the Comparison page.

Using the Light Table

To make a new comparison, drag and drop or click image thumbnails from the image bank at the bottom of the page into the gray box above, which acts as a digital light table. Resize images by clicking and dragging image edges. Remove images from the Light Table by clicking the image's "REMOVE" button.

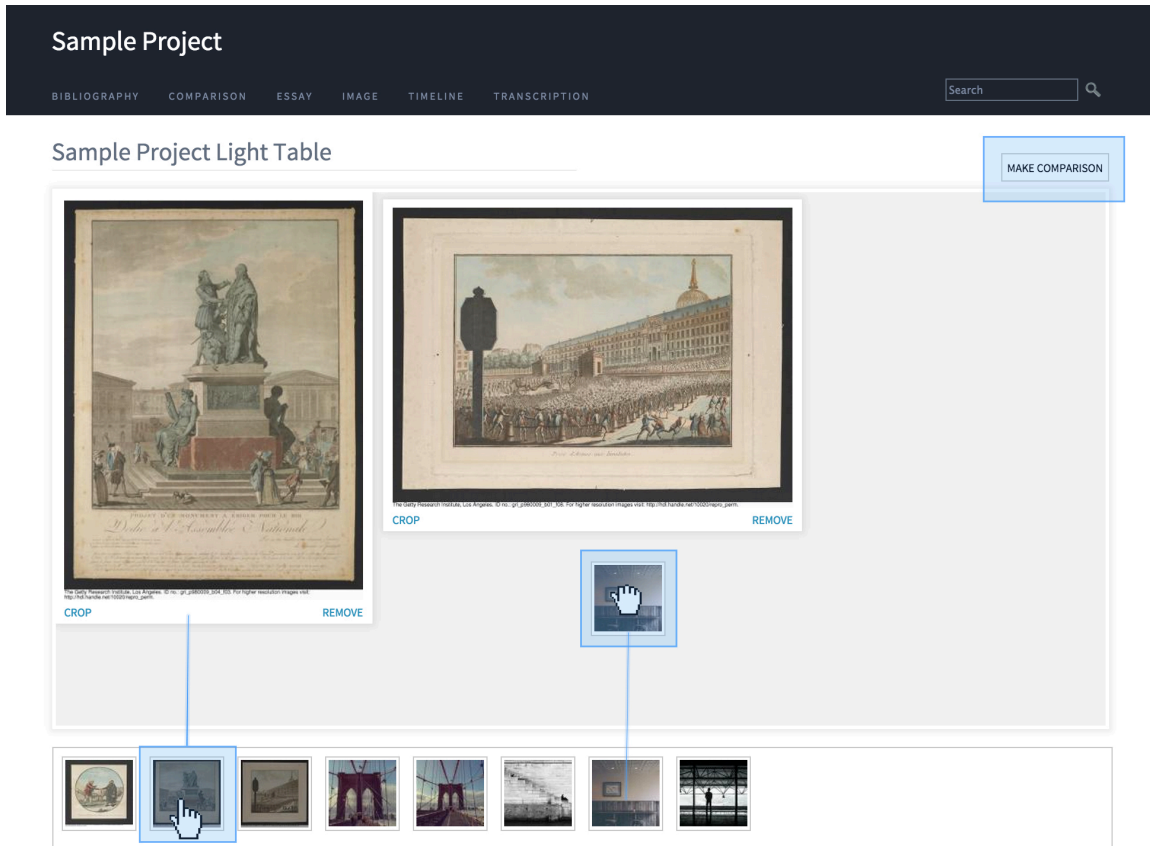


Figure E—screenshot of Light Table highlighting the methods for adding images

Crop and Zoom

You can crop and zoom in on images in the Light Table just as you can in the image gallery. Click on the word "CROP," which appears

on the bottom left of every image on the Light Table, to open a window with a slider to zoom in and out. Select a detail by dragging your cursor over the image to create a box. Once you have selected the area of the image you want to crop, click on the “CROP” button, and that new detail will be added as a new image to the image gallery below.

Saving Comparisons

Save comparisons by clicking the “MAKE COMPARISON” button in the upper right corner of the Light Table page. Then, complete the Edit Comparison form to give your image comparison a title and a description. Under “Image References,” check to make sure the images used in the comparison have been selected. Add more images to a comparison by clicking the checkbox next to each desired image. Remove an image from the comparison by de-selecting the checkbox. Click the “Save” button on the lower left side of the page when the form is complete.

USER NOTE: *In the “Body” section of all free-text boxes, clicking the “Add reference to comparison image” button (identifiable as a link icon) in the toolbar enables you to add a reference to any of the images used in the comparison. This will insert a link to the image in the text, so that a project team member can click the link, and a pop-up window with that image will appear for immediate visual reference.*

Essays

The Essays page offers a list of a project’s essays accompanied by their brief summaries. Click on the title of any essay to view the full text. To add a new essay, click the blue “Add new essay” link at the top of the list.

Writing an Essay

Writing an essay in Getty Scholars’ Workspace is similar to writing an essay in any word-processing program. Title the essay, and briefly summarize it so team members can easily scan the Essay page for topics. The “Body” text box has a toolbar that includes many standard features for essay writing, including a few that are specially tailored to Getty Scholars’ Workspace.

Adding a Reference

The “Add a bibliography reference” feature of the Essay toolbar enables users to add short reference links to items in a project’s bibliography. Click the “Add Bibliography Reference” button to select a reference from a pop-up window. Selecting a reference from the pop-up window automatically adds it in the Essay text box.

This allows you to quickly add citations to your essays with the assurance of consistency.

Adding a Project Image

Another special feature the Essay toolbar offers is the ability to insert any image from the project's image gallery in the text of an essay. Click on the "Add Project Image" button to select from the project images that appear in a pop-up window. Once selected, the image will appear in the body of the essay and can be resized by clicking and dragging the bottom-right corner. Drag and drop the image to move it to a new area of your essay.

Adding Annotations

You must be currently viewing an essay to annotate that particular essay's text. To do so, highlight the text you want to annotate, and a pencil icon will appear; click the pencil to make the Annotation box appear. Type your annotation and tags into the Annotation box. After completing an annotation, click the "Save" button on the lower right side of the Annotation box. To view annotations, hover the cursor over the green-highlighted text. To reply to annotations made by other team members, select the arrow icon that appears next to the annotation to which you want to reply as you hover over it. You can also edit an annotation that you have created by clicking the pencil icon, or delete an annotation you have created by clicking the trashcan icon.

Tagging Annotations

Annotations can be tagged with any number of predetermined terms. Project leaders should establish which tags should be available for a particular project, and then submit them to the Group Administrator for incorporation into your institution's instantiation of Getty Scholars' Workspace. Group Administrators can find annotation tags in the taxonomy section of the Drupal back end. Note that all tags incorporated by the Group Administrator into a particular instantiation of Getty Scholars' Workspace will be available to members of all project teams, but team members should select only the tags that are relevant to the particular project.

Adding Comments

As is the case with other content types (images, transcriptions, bibliography entries, etc.), there is a Comment section at the bottom of each essay. To comment on an essay, click the "Add new comment" button and type your comment. The same capabilities

(“Add a reference,” “Add an image,” etc.) that are available in the Essay toolbar are also available for commenting.

RECOMMENDATION: *We recommend that project teams reserve annotations for short notes regarding specific portions of the text of an essay, and use the Comment section for longer, more general comments. The goal is to capture as much of the scholarly dialogue as possible at the appropriate level.*

Collaborating on Essays

When an author of an essay wants to stop writing, he or she can click “Save” at the bottom of the page, and can resume working on it at any time. Once an author saves an essay, the entire essay will display within the editing window. At this point, any member of the project can annotate specific portions of the text of the essay or make comments at the bottom of the essay. As in a word-processing program, drafts of essays may be saved for further writing and editing by the author. Note that only the author of the essay can alter the text in the body of the essay, which he or she may change in response to annotations or comments made by other members of the research team.

USER NOTE: *It is strictly an editorial decision as to when an essay is “complete”—that is, ready for copyediting and publication on the web or in print.*

Image Tool

The Image page provides users with a gallery view of all project images. Clicking on an image thumbnail displays the image’s related information and annotations. To add a new image to the gallery, click on “Add new image” at the top left of the gallery.

Uploading an Image

Clicking “Add new image” takes you to the Create Image page. Once there, fill in the given fields to create a metadata record for the image you want to upload. Then, click the “Choose File” button under the “Image” field label, and select the image file from your computer. Once you have selected a file, click “Open” and then click the “Upload” button. Click “Save” at the bottom of the page to add the image to your gallery.

RECOMMENDATION: *The fields in the template for image metadata records are based on international standards in the field of art history, and help to create a thorough record for each image. Because this record allows for easy searching and identification, we encourage users to complete as many of these fields as possible.*

Adding a Caption

Once you have added an image to a gallery, you can add a caption that will appear below the image wherever it appears in a particular project in Getty Scholars' Workspace. To add a caption, select the "Edit" tab under the title of the new image. Type the caption in the text box and click "Save" at the bottom of the page. Once you have completed all the relevant fields, scroll down to the bottom of the page and click "Save."

RECOMMENDATION: *It is important to determine a consistent format for image captions before team members begin uploading images.*

A Completed Image Record

A completed image record will display with the caption below the image. All of the fielded information will display in the form of a "tombstone" record (the essential information that museums and other collecting institutions typically display for works from their collections). Project team members can comment on any image in the comments section at the bottom of the page. All image-related information can be edited by selecting the "Edit" tab at the top of the page.

Annotating an Image

An image can be annotated once it is uploaded into the image gallery. Click the thumbnail of the image you want to annotate from the gallery. Then, mouse over the image to the specific area that you want to annotate. Click, hold, drag, and release to create a box around the detail to be annotated. Once you have drawn the box, an Annotation window will appear. Type your comments into the Annotation window. You can enter tags—which must be selected from the approved list created by the project team and implemented by the Group Administrator—below your comments at the bottom of the Annotation window. When the annotation is complete, click the "Save" button in the Annotation window.

Annotations made on images in the gallery appear as project team members hover their cursors over the annotation boxes. Project team members can reply to annotations made by other team members by selecting the arrow icon; edit their own annotations by selecting the pencil icon; and delete their own annotations by selecting the trashcan icon. Only Group Administrators can delete annotations that were created by other users.

Cropping and Zooming

It is possible to create a new detail of an image by zooming in and cropping the image. To do so, click the “Crop this image” button just above the image you want to crop. When a red dashed outline appears on the image, click and drag the outline to surround the portion of the image that you want to crop. Use the slider at the bottom of the image to zoom in and out. Clicking the “Crop” button transfers you to a new image creation page where you can save the detail that you have just created. Once an image has been cropped, the word “(crop)” is automatically added to the image’s original title, but you are free to edit the title as desired.

Timeline Tool

The Timeline tool allows users to create a timeline of events that are pertinent to their project, given that the events occurred within the Common Era (C.E. or A.D.). Project team members can add both images and text to a timeline. The Timeline tool displays events both individually and as a range of events over time.

Adding a Date

To add a new event to the timeline, select “Add new date” on the top left of the page. This will direct you to the “Create Timeline Date” page. Once there, enter a “Headline” that will serve as the title of the event. Then, enter a description of the event in the text box below to explain its relevance. Next, scroll down and enter a date for the event under the “Dates” section. If the event occurred over a span of time, select “Show End Date” to enter the date when the event ended. You can also add a link or upload an image to augment an event on the Timeline. It is also possible to create image-credit texts and caption texts, if so desired. Once you have completed the “Create Timeline Date” form, scroll to the bottom, and click “Save” to add the event to your timeline.

Transcription Tool

The Transcription page lists all existing transcriptions. To access an existing transcription, click on its title. To create a new transcription, click on “Add new transcription” above the Transcription list.

Creating a Transcription

To create a transcription or translation, you must upload a facsimile of a document or manuscript page. To do so, click “Choose File” in the Facsimile box, select the file you want to upload, and click

“Upload.”² The document page will then appear in a viewing window on the left side of the page. Before beginning your transcription, make sure to select the appropriate tab above the viewing window. After completing a transcription in the Transcription box to the immediate right of the viewing window, select the “Transcription” tab on the left side to view your completed transcription. Then, select the target language in the text-entering window to the right to begin transcribing. You should only use the right window tabs to write a translation. Should you need to, you may zoom in and out on the uploaded facsimile or text document. Scroll to the bottom and click “Save” when you are finished working.

Finished Transcriptions

A finished transcription can be displayed alongside a facsimile or document and its transcription and/or translation(s). For example, if a team member uploaded a page from an Italian manuscript, it would display under the Facsimile tab on the left; on the right, you would see its transcription in Italian. If the team member also translated the manuscript into English, a translation tab would be included above the windows. Team members can toggle through the tabs to compare translations (of which there can be more than one, if desired) with the facsimile and its transcription. To edit text, click “Edit” at the top of the page.

Annotating Transcriptions

As they do with the Essays tool, team members have the option to annotate the text of transcriptions and translations. To do so, highlight the relevant text, click the pencil icon, type the annotation, and click “Save.” Once saved, annotations appear as green highlights on the text. To reveal the annotations, hover the cursor over the highlighted text. Annotations are intended to present various interpretations of the text, and to preserve dialogue among project scholars for readers and other team members to explore.

USER NOTE: *Another possible use for the Annotation tool is to annotate both images and related texts to draw comparisons between them.*

² Image files must be under 2 MB.