



AI-ASSISTED HUMANITIES RESEARCHER WORKBENCHES

RESEARCHER ENGAGEMENT WORKFLOWS



Systemik is an innovative Consulting Group and Digital Humanities Lab.

We design, develop, implement and support research solutions for humanities projects: open-source platforms, infrastructure integration, APIs, and website content management. Our focus is the realisation of effective, engaging and sustainable digital research.

PLATFORM

INTEGRATION

WEBSITE

CONSULTING

HOSTING

SUPPORT

Codifynd

Hosting, Platform, Support, Website

Content analysis, assurance and comparison at scale

Gazetteer of Historical Australian Places

Consulting, Platform, Support, Website

ARDC funded project to develop the Gazetteer as stand-alone infrastructure.

Glycerine (Image Annotation Workbench)

Consulting, Platform, Support, Website

Collaborative workbench for image annotation

NitroNode (Research Aggregate Workbench)

Platform, Support

Encapsulate non-traditional research outputs for art and cultural history.

PLATFORM INTEGRATION WEBSITE CONSULTING HOSTING SUPPORT

Codifynd Workbench

Hosting, Platform, Support, Website

Content analysis, assurance and comparison at scale

Glycerine Workbench

Consulting, Platform, Support, Website

Collaborative workbench for scholarly image annotation

NitroNode Workbench

Platform, Support

Encapsulate non-traditional research outputs for art and cultural history as persistent nodes.

Node Graph - Omeka S CMS

Consulting, Hosting, Platform

Pilot project to trial Omeka S as a node graph CMS for humanities research projects.

Pali Texts - Omeka S CMS

Hosting, Integration, Platform, Support, Website

Venue for researchers engaged in the study of Pali Buddhist manuscripts, inscriptions, and texts.

PerformX CMS Workbench

Hosting, Platform, Support, Website

PerformX® Content Workbench automates the migration of existing sites to Drupal

Power Drupal CMS

Consulting, Hosting, Integration, Platform, Support

Drupal CMS distribution for development of immersive and engaging research publication sites.

READ Workbench

Hosting, Platform, Website

Collaboration framework for Indic manuscripts and inscriptions

Stylometric IA Workbench

Integration, Platform, Support

Workbench for computational and statistical analysis of style in large scale text collections

TLCMap Workbench

Consulting, Platform, Support, Website

ARDC and ARC funded project to develop Time Layered Cultural Map (TLCMap) as national humanities infrastructure.

Technologies: ArcGIS StoryMap, Azure, Drupal, Heurist, IIIF, Glycerine, Javascript, JSON-LD, JupyterBook, Jupyter Notebook, MapBox, Omeka, ONI, OpenAI, PHP, READ Workbench, RO-Crate, SketchFab, TEI, TLCMap, Vue.js, WordPress

- COLLECTIONS
- Astronomy
- Canberra - Imported
- Demo Ian
- Gichi Nala
- Image Gandhara
- ImageAI
- Malat canting dance study
- Test Collection
- + Add Collection

Collections > Malat canting dance study

[Edit](#)
[+ Add Image Set](#)
[Import from IIIF Manifest](#)
[Import from Institution](#)

Malat canting dance study

[Search Annotations](#)

Adrian Hassall Vickers 28/05/2024

Detailed examination of Balinese art works from Kamasan depicting the canting dance scene from the Malat



Malat Canting Dance 1980s version
 recent work from Kamasan in the Collection of the Museum Bali
 Adrian Hassall Vickers - 12/06/2024



Nyoman Dogol 1925 Painting
 Adrian Hassall Vickers - 12/06/2024



Malat Canting Dance Tropen Museum
 Adrian Hassall Vickers - 07/06/2024



AI WORKBENCH INTEGRATION

- REFERENCE
- ITERATOR
- RESEARCHER

GENERATIVE AI AND HUMANITIES

- DISRUPTIVE
- SCALE

GENERATIVE AI AND HUMANITIES

- PHILOLOGY AND LLM
- “ACTIONS CREATE CONSEQUENCES, WHICH PRODUCE NEW WORLDS AND THEY’RE ALL DIFFERENT. AND ALL THESE WORLDS, HERETOFORE UNKNOWN TO US. BUT, THEY MUST HAVE ALWAYS BEEN THERE? MUST THEY NOT? I WOULD URGE YOU TO SEE THE SITUATION YOU’RE IN. THE WORLD IN WHICH YOU SEEK TO UNDO THE MISTAKES THAT YOU MADE IS DIFFERENT FROM THE WORLD IN WHICH THE MISTAKES WERE MADE. YOU ARE NOW AT THE CROSSING. AND YOU WANT TO CHOOSE, BUT THERE IS NO CHOOSING THERE. THERE’S ONLY ACCEPTING. THE CHOOSING WAS DONE A LONG TIME AGO...”

GENERATIVE AI AND HUMANITIES RESEARCHERS

- GROUND TRUTH
- ACTIVE WORKFLOWS
- DOMAIN SPECIFIC MODELS

RESEARCH WORKBENCHES

- TLCMAP
- GLYCERINE
- OMEKA S



Mapping Australian history and culture

We acknowledge the Traditional Owners of country and pay our respects to Elders past, present and emerging. [First Australians...](#)

Layers Multilayers Contribute

Log in Register Contact

Search places and culture

Contains



Reset

Featured Layers

ANPS Gazetteer

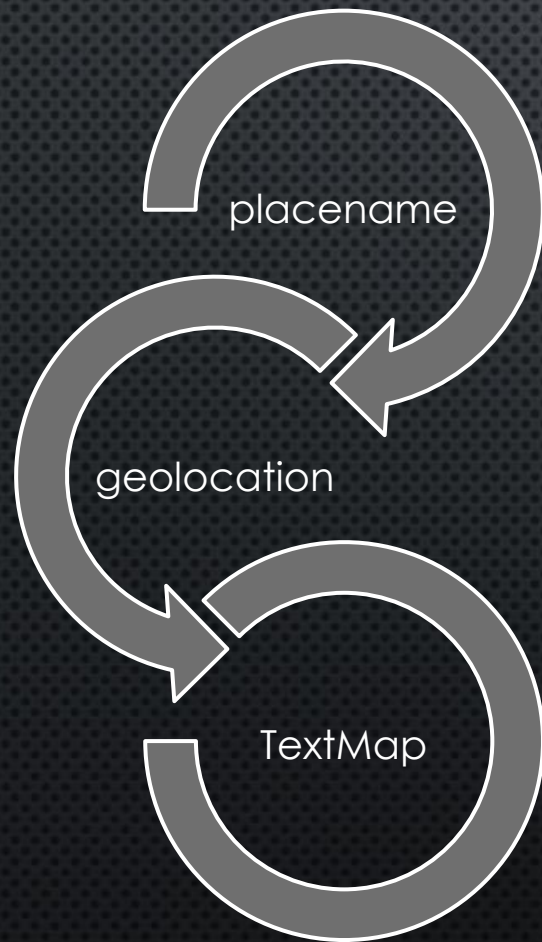
NCG Gazetteer

Layers

Points Cluster List



REFERENCE PATTERN



The screenshot shows the TLCMap website interface. The browser address bar displays <https://tlcmap.org/?view=map>. The page title is "Mapping Australian history and culture" with a subtitle: "We acknowledge the Traditional Owners of country and pay our respects to Elders past, present and emerging. [First Australians...](#)".

The navigation bar includes "Layers", "Multilayers", "Contribute", "Log in", "Register", and "Contact". A search bar contains "Search places and culture" with a "Contains" dropdown and a "Reset" button. The "Featured Layers" section includes "ANPS Gazetteer", "NCG Gazetteer", "Layers", "Points", "Cluster", and "List".

The main content area is split into two panels. The left panel displays a text map with the following text:

Loosing his verdure, euen in the prime,
And all the faire effects of future hopes.
But wherefore waste I time to counsaile thee
That art a votary to fond desire?
Once more adieu: my Father at the Road
Expects my coming, there to see me ship'd.
Pro. And thither will I bring thee Valentine.
Val. Sweet Protheus, no: Now let vs take our leaue:
To **Millaine** let me heare from thee by Letters
Of thy successe in loue; and what newes else
Betideth here in absence of thy Friend:
And I likewise will visite thee with mine.
Pro. All happinesse bechance to thee in **Millaine**.
Val. As much to you at home: and so farewell. Exit.
Pro. He after Honour hunts, I after Loue;
He leaues his friends, to dignifie them more;
I loue my selfe, my friends, and all for loue:
Thou lulia, thou hast metamorphis'd me:
Made me neglect my Studies, loose my time;
Warre with good counsaile; set the world at nought;
Made Wit with musing, weake; hart sick with thought.
Sp. Sir Protheus: 'saué you: saw you my Master?
Pro. But now he parted hence to embarque for **Millain**.
Sp. Twenty to one then, he is ship'd already,
And I haue plaid the Sheene in loosing him

The right panel shows a satellite map of Northern Italy with several locations highlighted in yellow circles: Milan, Verona, Mantova, and Bergamo. The map includes a search bar, zoom controls, and a scale bar.

The footer of the page includes "Finance headline Australia Trade..." and system information: "ENG US 10:31 AM 5/09/2025".

- COLLECTIONS
- Astronomy
- Canberra - Imported
- Demo Ian
- Gichi Nala
- Image Gandhara**
- ImageAI
- Malat canting dance study
- Smithsonian
- Test Collection
- + Add Collection

Collections > Image Gandhara

[Edit](#)
[+ Add Image Set](#)
[Import from IIIF Manifest](#)
[Import from Institution](#)
[Share](#)
[Publish](#)
[Delete](#)

Image Gandhara

lan David McCrabb 15/01/2024

Any tag
[Search Annotations](#)

Search Image Sets
 Sort by Date (Newest)



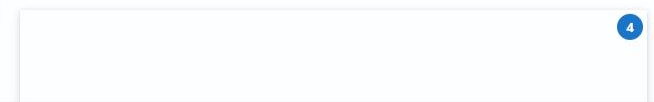
Schist Shakayamuni and Maitreya
Schist Shakayamuni and Maitreya
lan David McCrabb - 15/03/2024



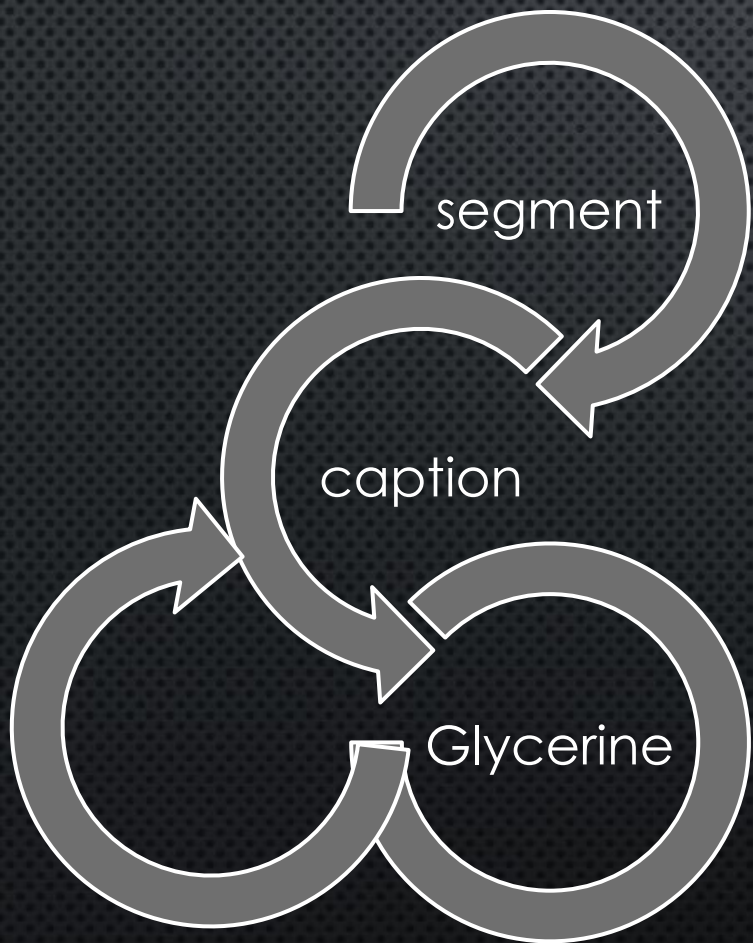
Schist Buddha Triad (year 5)
Depicts the Buddha seated on a lotus-throne under a leafy canopy flanked ...
lan David McCrabb - 15/01/2024



Schist Lintel, Buddha and Attendants
lan David McCrabb - 15/01/2024



ITERATION PATTERN



Australia - Glycerine

Glycerine

https://iaw.ardc-hdcl-sia-iaw.cloud.edu.au/collections/8/image-sets/19/annotation-sets/13/annotate

Glycerine
Image Annotation Workbench

COLLECTIONS

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Collections > Image Gandhara > Schist Buddha Triad (year 5) > Annotation Sets > Annotations > Annotate

Medium

Glycerine
Image Annotation Workbench

17°C
Mostly cloudy

Search

ENG US

10:38 AM
5/09/2025

Omeka S Sandbox

SIGNED IN AS Demo 1 [Logout](#)

Search items

Sites

RESOURCES

- Items
- Item sets
- Vocabularies
- Resource templates

ADMIN

- Users
- Modules
- Jobs
- Settings
- Assets

MODULES

- CSV Import
- Custom Vocab
- Omeka Classic Importer
- Zotero Import

Admin dashboard

- Successfully logged in
- A new version of Omeka S is available. [Get the new version.](#)

Welcome to the Omeka S Sandbox admin dashboard!

Manage resources

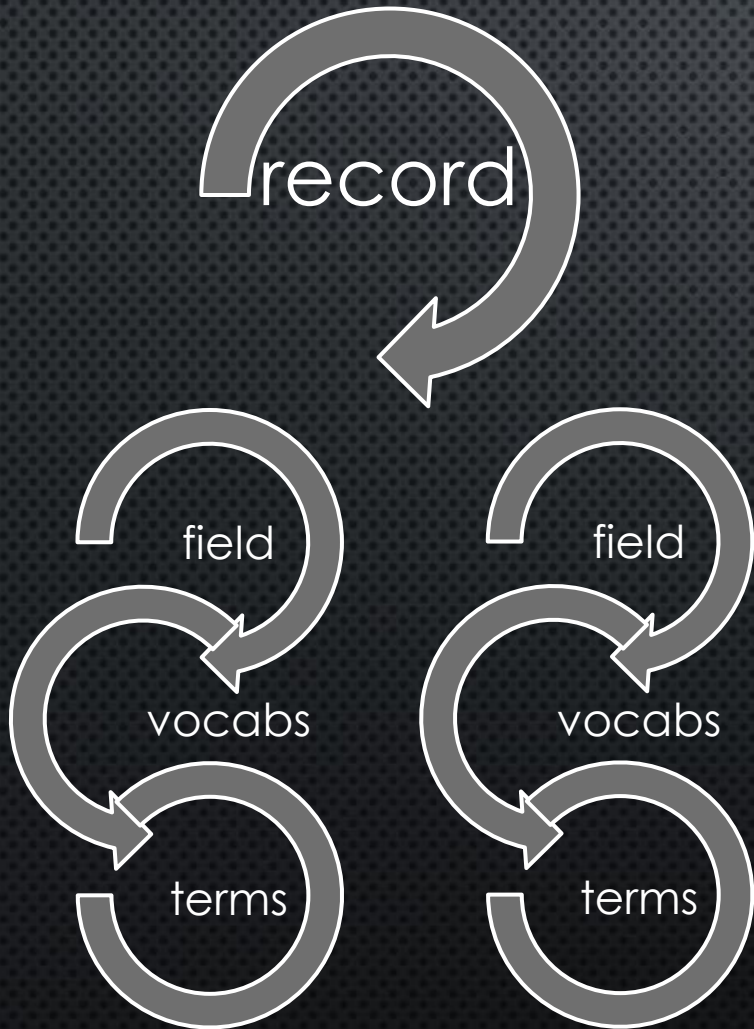
- Items (730) +
- Item sets (6) +
- Vocabularies (4) +
- Resource templates (9) +

Manage sites

- Media Examples
- Martha Washington: A Life
- A Battered Tin Dispatch Box
- Mall History Content
- American Art
- Pliegos de cordel valencianos
- ECU
- testomeka
- Test

[Add site](#)

RESEARCH PATTERN



The screenshot shows the Omeka S admin interface for the item 'El nacimiento de Venus'. The interface is divided into a left sidebar with navigation options and a main content area. The main content area displays the item's metadata, including the class, creator, title, date, format, and dimensions. A small image of the artwork is visible on the right side of the page.

Omeka S Sandbox
Signed in as Demo 1 (Logout)

Search items

RESOURCES
Items
Media
Item sets
Vocabularies
Resource templates

ADMIN
Users
Modules
Jobs
Settings
Assets

MODULES
CSV Import
Custom Vocab
Omeka Classic Importer
Zotero Import

ITEMS El nacimiento de Venus (Edit item)

Metadata | Linked resources | Mapping

Class	Collection
Creator	Sandro Botticelli
Title	El nacimiento de Venus
Date	1482
Format	Temple sobre lienzo
Dimensions	170x 280cm

ID
3522

Visibility
Public

Sites
Pliegos de cordel valencianos

ECU
testomeka

Test

Created
Sep 4, 2025

Owner
Demo 1

Media (2)
El nacimiento de Venus
Análisis de la obra

Omeka S version 4.0.4 System information User manual Support forums

17°C Mostly cloudy Search

ENG US 10:43 AM 5/09/2025

INTEGRATION PATTERNS

- REFERENCE
- ITERATION
- GENERATIVE



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