

# Facilitating Small CHI in Digitization for 3D Models.

A case study with the Digital Museum of Learning.

Vera Chiquet, Virtual Culture

Photoconsortium General Assembly and 3D Workshop 2023, Roma

# DH<sup>CH</sup> History

## Digital Images, Metadata and Cultural Heritage Objects DHCH 2021

Partner: The Bibliotheca Hertziana – Max Planck Institute for Art History

## Digital Humanities Methodologies DHCH2022

Partner: ESA European Space Research Institute (ESRIN)

## Data Science and Digitization of Cultural Heritage DHCH2023

Partner: Photoconsortium, International Consortium for Photographic Heritage



<https://truvis.ch/>


## Beyond Photography

Truvis Authentica extracts the surface texture, true color and reflection characteristics of real-life objects.

## Dynamic Lighting

Enables interactive re-lighting in a 3D-environment under virtual lighting conditions.

## Display Anywhere

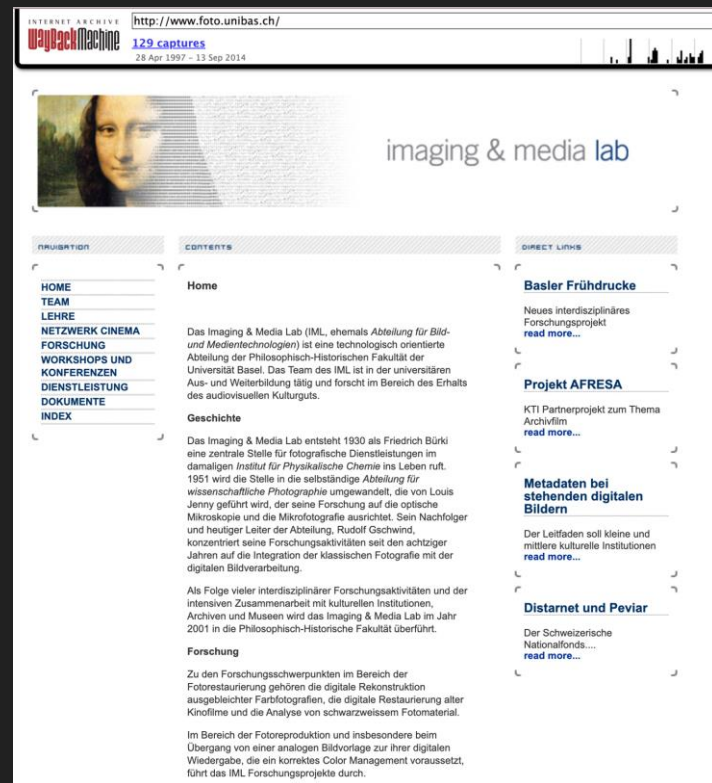
Based on open web standards, Authentica visualizations run in any modern browser. No installation required.

## Discover: TRUVIS *Authentica*

See how the Authentica framework provides a new level of flexibility for working with remote and hard to access objects.

Data acquisition can be realized fast and in situ with minimal infrastructure.

Data processing, detailed examination, editing or preparation for archival can then be achieved remotely without direct access to the objects.

[Learn more](#)
<https://truvis.ch/>

<https://unibas.ch>



# Virtual Culture

Digital Culture Projects - We offer digital sustainable strategies, capturing exhibiting and archiving, FAIR and interoperable database, and much more. We provide a network of experts and institutions and promote young talents.

- Storytelling on App for Beyeler Museum,
- Digital Database for the Schnitzelbank Comité,
- 3D Model Showcase and Guidelines/Tutorials for Digital Museum of Learning
- Digital Project Management and Website for the Digital Schaudépot

Twitter/Insta: @culture\_virtual, @DHLabBasel, @PhotoConsortium, @Foundation\_JL

# Digitization & Imaging

Professionals with rich experience in 2D, 3D and enhanced visualizations.

Use of virtual and augmented reality for remote experiences.



For GLAM, Collections, CHI etc.

rising demand 3D Models, Photogrammetry and ML Application

Combining preservation, digitization and sustainability - integrating FAIR and CARE principles - focusing towards engaging, participation social relevance

Programs

# The Digital Museum of Learning



## THE HISTORY AND FUTURE OF LEARNING

In September 2022, the Johann Jacobs Museum reinvented itself. Learning and education are now at the heart of the new museum. The Digital Museum of Learning, as part of the Foundation's Global Education Museums Initiative, embarked on an exciting journey to discover the history and future of learning.

We are building online infrastructure that brings together art and science to share historic and current global perspectives.



EXPLORE MORE

DIGITAL MUSEUM OF  
LEARNING

VISIT SITE ↗

## Explore by color



Yellow

Green

Blue

Purple

Brown

Gray

Black

## What would you like to see next?

Take a look at some suggestions for new exhibitions and vote for your favorite.

Playful learning

Learning with technology

Dressing up for school

The power of literacy

## Editor's choice

Our curators' handpicked stories



Care for a drop of London Monster Soup?



What is a perfect globe?



Slow looking at nature



A box full of botanical adventures!



The Gould League of Bird Lovers of New South Wales



DIGITAL

MUSEUM

OF LEARNING

Exhibitions

Stories

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Making the environment ...

A box full of botanical adventures!

Explore




EXPLORE

What's in a Vasculum?

**A box full of botanical adventures!**

Can you guess what this object was used for? Even today, it's not clear who invented it or when. It is first described in texts from the early 1700s. One of its many names is "vasculum." For over 200 years, this cylindrical metal object was used by naturalists around the world - but for what? Explore the object and follow the clues to find out!

Brought to you by

  
Schulmuseum Bern

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← EXIT



#### Have you noticed this gap? ×

It looks like the vasculum opens. What do you think someone would put inside? Take a guess and open the vasculum to reveal its secrets!

LOOK INSIDE THE BOX



← EXIT

🔒 CLOSE THE BOX



<https://www.museumoflearning.org/>







# Creating Digital Assets Which Can Be More Than Just Research Data - A 3D Showcase

Vera Chiquet; Marian Clemens Manz

A 3D model showcase project by the Digital Humanities Lab of the University of Basel (<https://www.dhlab.philhist.unibas.ch>), Virtual Culture (<https://www.virtualculture.ch>), and the Digital Museum of Learning (<https://www.museumoflearning.org>), an Initiative of the Jacobs Foundation.



<https://zenodo.org/record/7957522>, <https://doi.org/10.5281/zenodo.7957522>