

DIGITAL HYPOTHETICAL 3D RECONSTRUCTION OF CULTURAL HERITAGE DOCUMENTATION AND VISUALISATION OF NOT EXISTING (LOST) OBJECTS

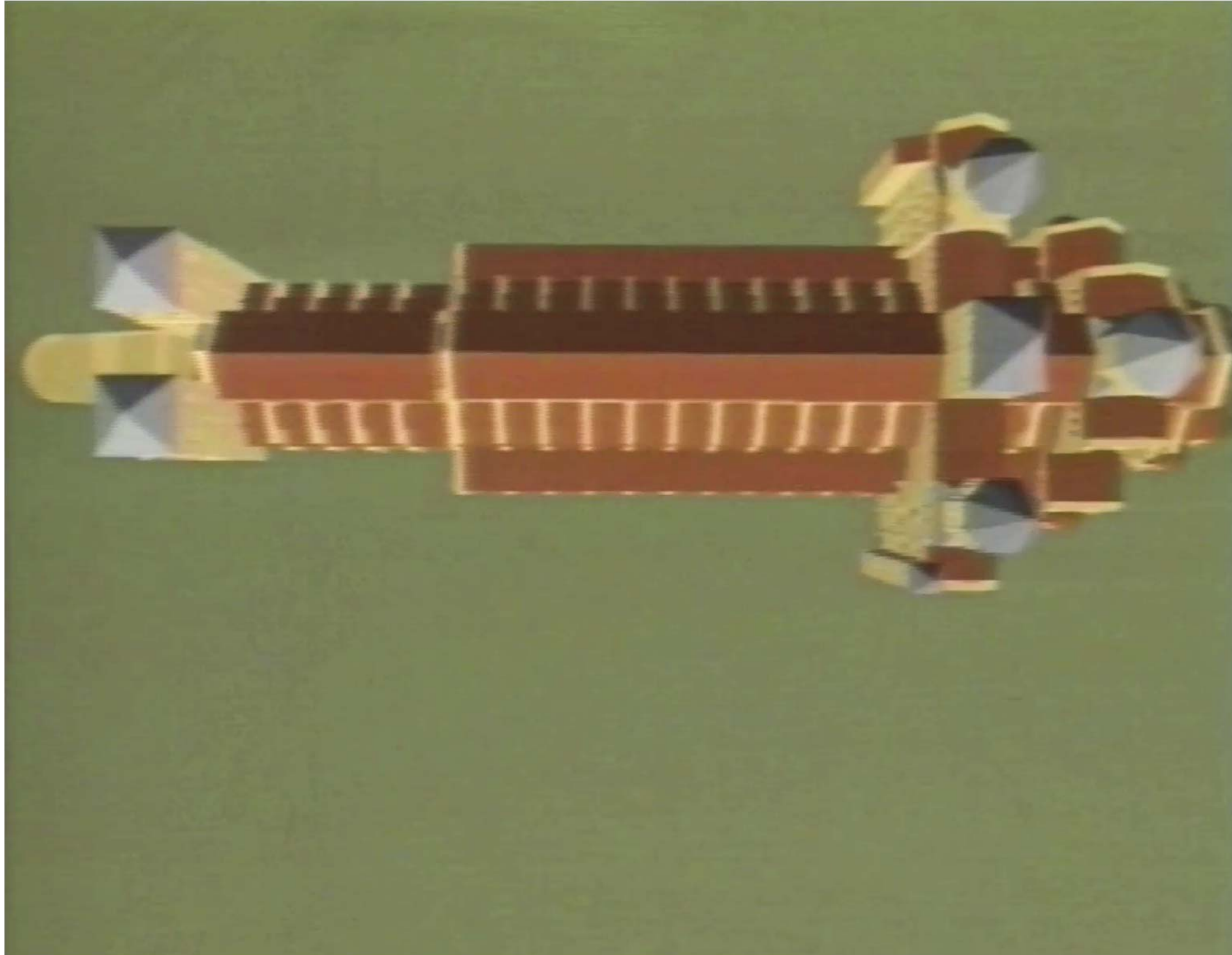


**HERDER
INSTITUT**



EARLY PROJECTS

'CLUNY IV' (ASB BAUDAT, 1989)



1. PHASE
Sichtung der Literatur
2. PHASE
Analyse der Proportionen
3. PHASE
Übertragung der Proportionen
4. PHASE
Analyse der Bauteile
5. PHASE
Reduktion auf das Wesentliche
6. PHASE
3D Bearbeitung der Bauteile
7. PHASE
Klassifikation & Identifikation der Teile
8. PHASE
Zusammenbau zu Bauteilgruppen
9. PHASE
Baubegehung / Fehlerbeseitigung
10. PHASE
Licht
11. PHASE
Filmerstellung

IMMERSIVE 3D ENVIRONMENT

ASSASSIN'S CREED 2 (UBISOFT, 2009)



MASSIVE INCREASE OF 3D DATA SETS

GOOGLE 3D STORE

1,907 Results

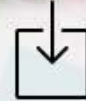
ALL

Results Per Page

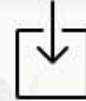
Sort by Popularity



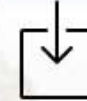
°MICROPOLIS° - newest H...
by: botos andrás



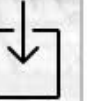
Saint Basil's Cathedral - Храм Б...
by: Enrico D.



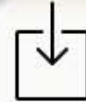
Church of the Savior on Spilled ...
by: Enrico D.



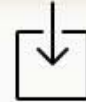
Saint Peter's Basilica and Squar...
by: Antonino G. (Antonino Grasso Crist...)



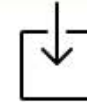
Cathedral Notre Dame de Paris
by: Alejandro Diaz



The Basilica of Saint Anthony
by: Enrico D.



Florence Duomo
by: Enrico D.

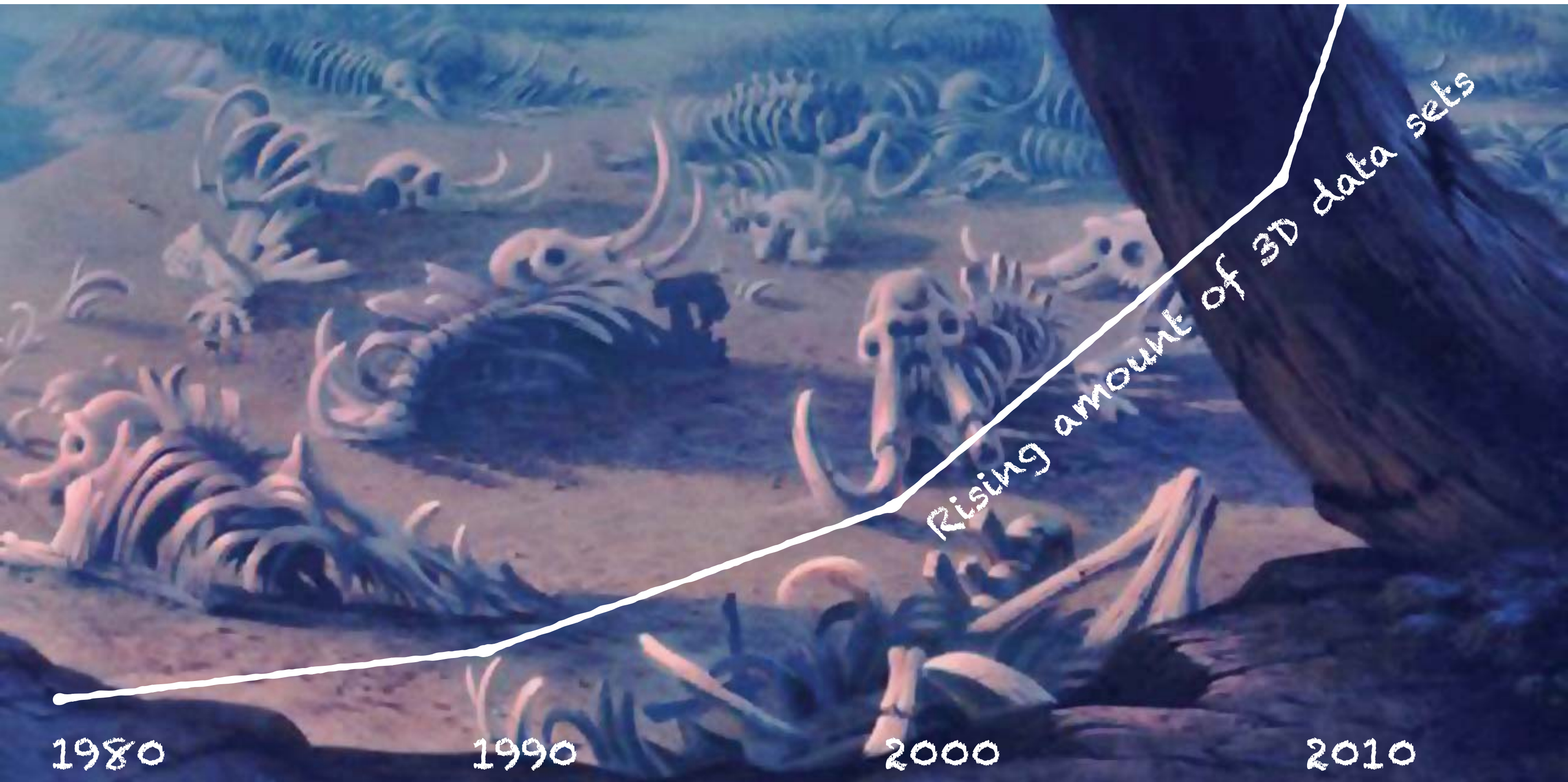


Westminster Abbey
by: Damo



DIGITAL ELEPHANTS' GRAVEYARD

LACK OF COMPREHENSIBILITY AND LONG-TERM AVAILABILITY OF INFORMATION



REQUEST FOR CRITICAL AND SCHOLARLY PROVEN 3D MODELS

SYMPOSIUM 'DER MODELLE TUGEND', DARMSTADT 2001



Digital Footnote for 3D models
Stephan Hoppe, 2001

Critical Computer-Visualization
Hubertus Günther, 2001

INTERNATIONALLY RECOGNIZED PRINCIPLES

LONDON CHARTER, 2006



THE LONDON CHARTER

FOR THE COMPUTER-BASED VISUALISATION OF CULTURAL HERITAGE

Preamble

Objectives

Principles

Principle 1: Implementation

Principle 2: Aims and Methods

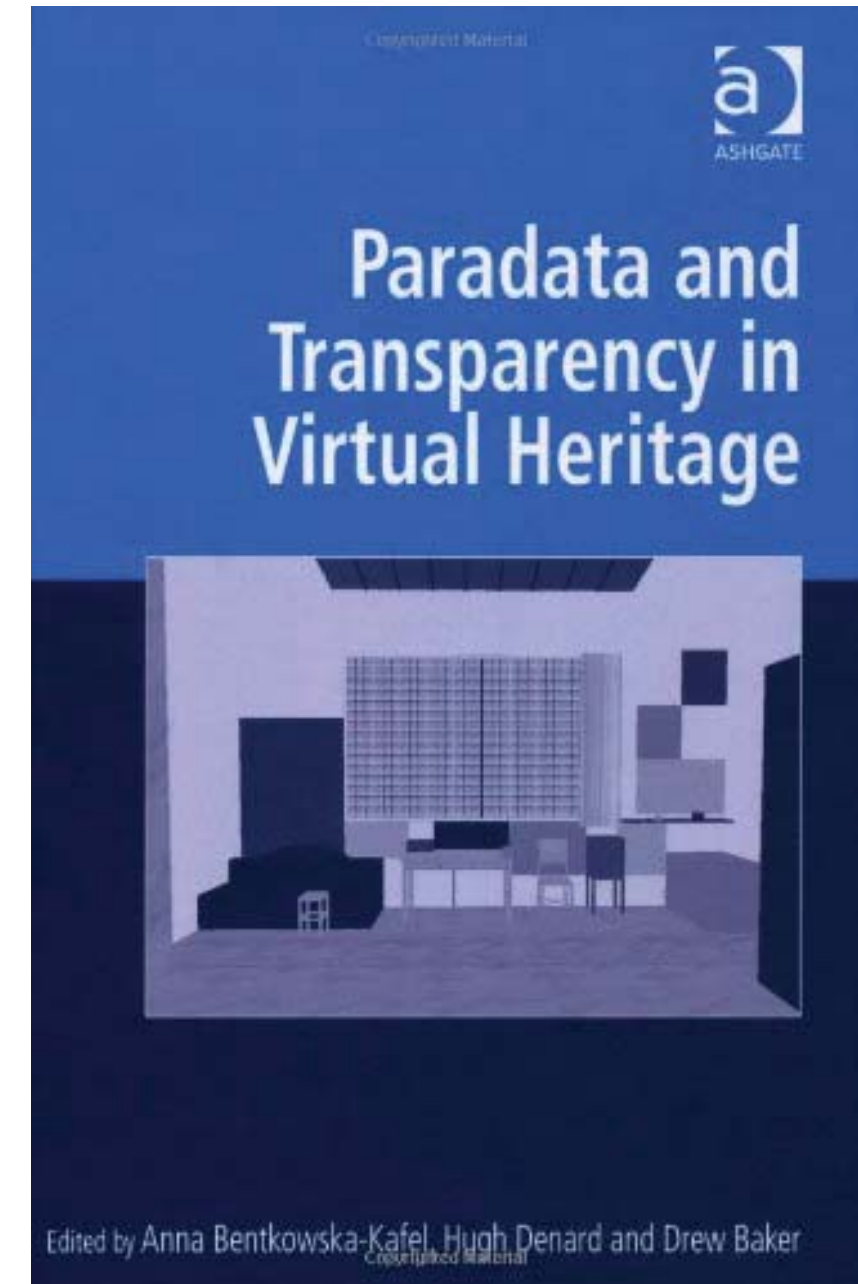
Principle 3: Research Sources

Principle 4: Documentation

Principle 5: Sustainability

Principle 6: Access

Glossary



INTERNATIONALLY RECOGNIZED PRINCIPLES

LONDON CHARTER, 2006



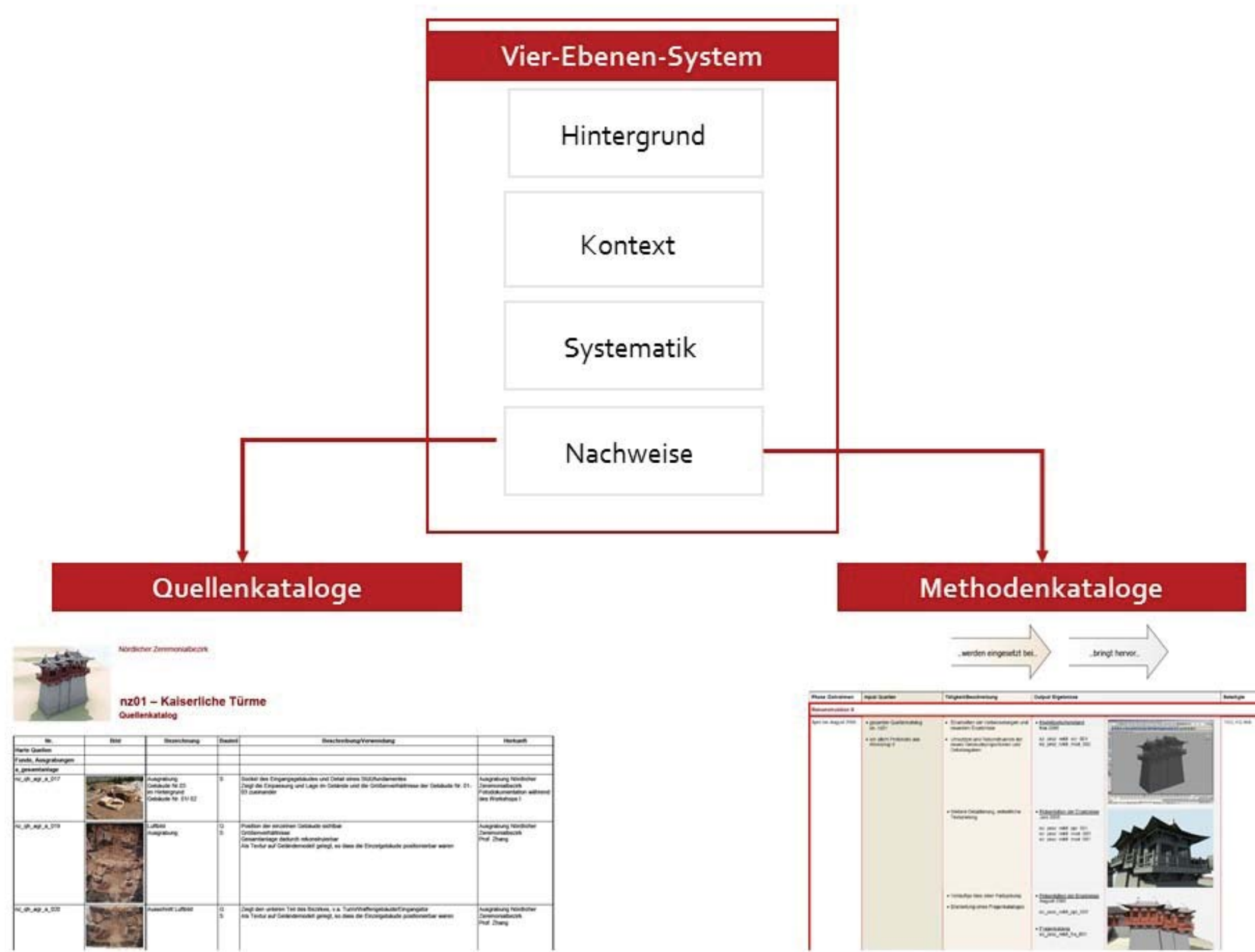
>>PARADATA<<

„**Documentation** of the evaluative, analytical, deductive, **interpretative and creative decisions** made in the course of computer-based visualization **should be disseminated in such a way that the relationship between research sources, implicit knowledge, explicit reasoning, and visualization-based outcomes can be understood.**“

The London Charter, 2006

BASIC RESEARCH WORK

MIEKE PFARR-HARFST, 2010



SEMANTIC WEB

INTERNET OF DATA vs. INTERNET OF DOCUMENTS



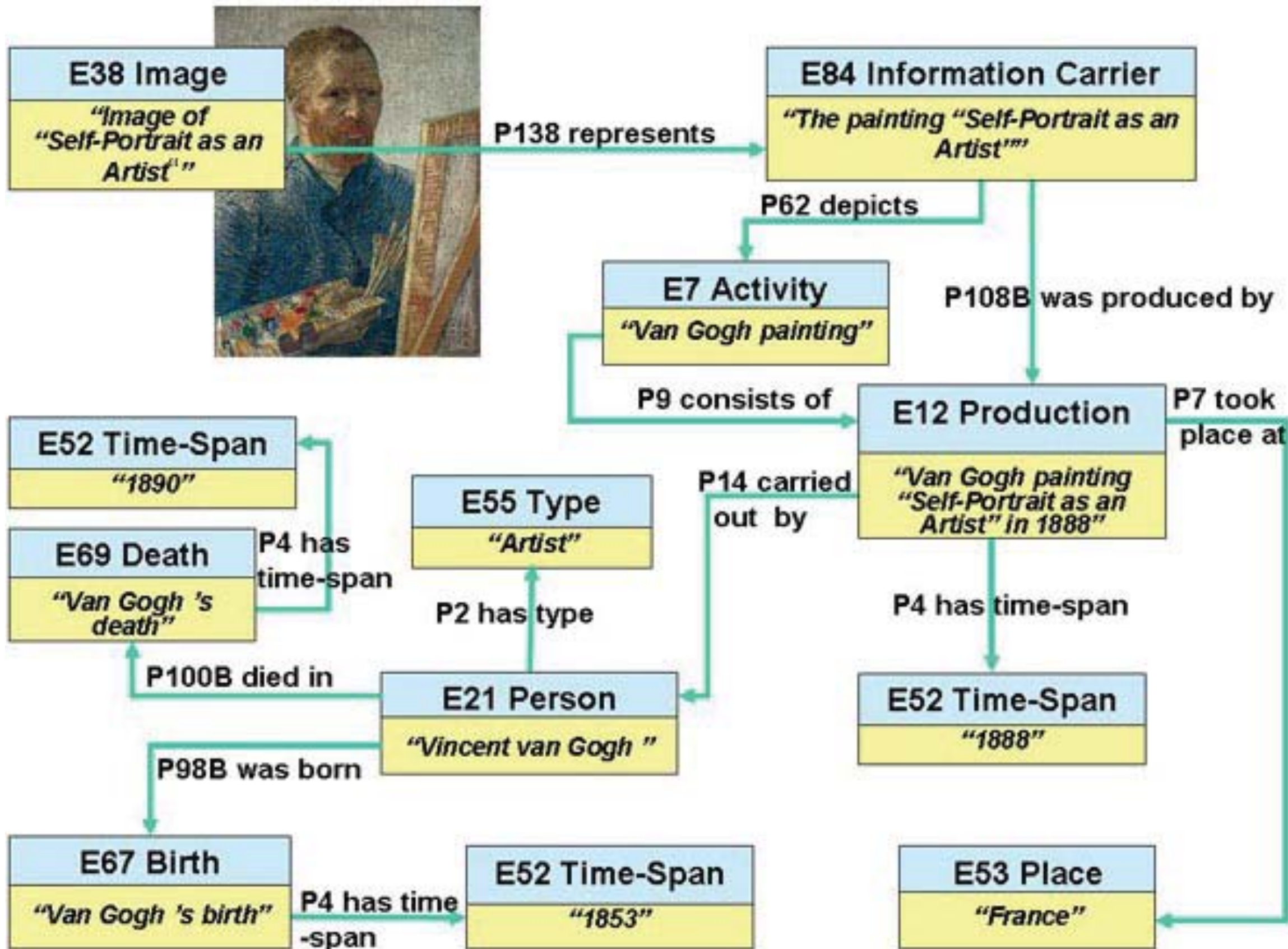
The Semantic Web is an extension of the current web in which information is given well-defined meaning, better enabling computers and people to work in cooperation.”

*T. Berners-Lee, J. Hendler, O. Lassila,
“The Semantic Web”, Scientific American, May 2001*

Machines “understand” and process information,
Goals of the Semantic Web

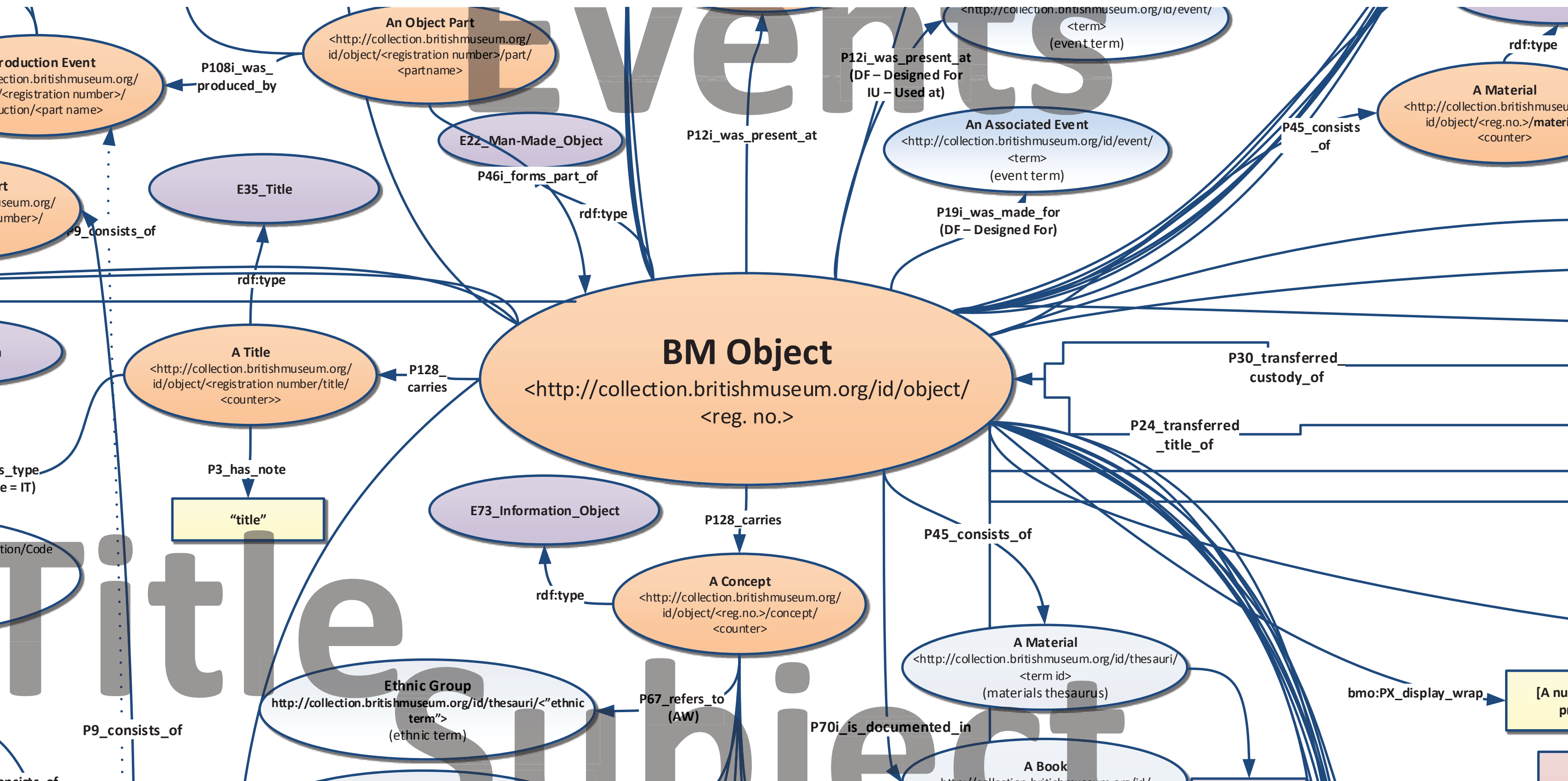
REFERENCE ONTOLOGY FOR CULTURAL HERITAGE

CIDOC CRM (**C**ONCEPTUAL **R**EFERENCE **M**ODEL), ISO 21127:2006



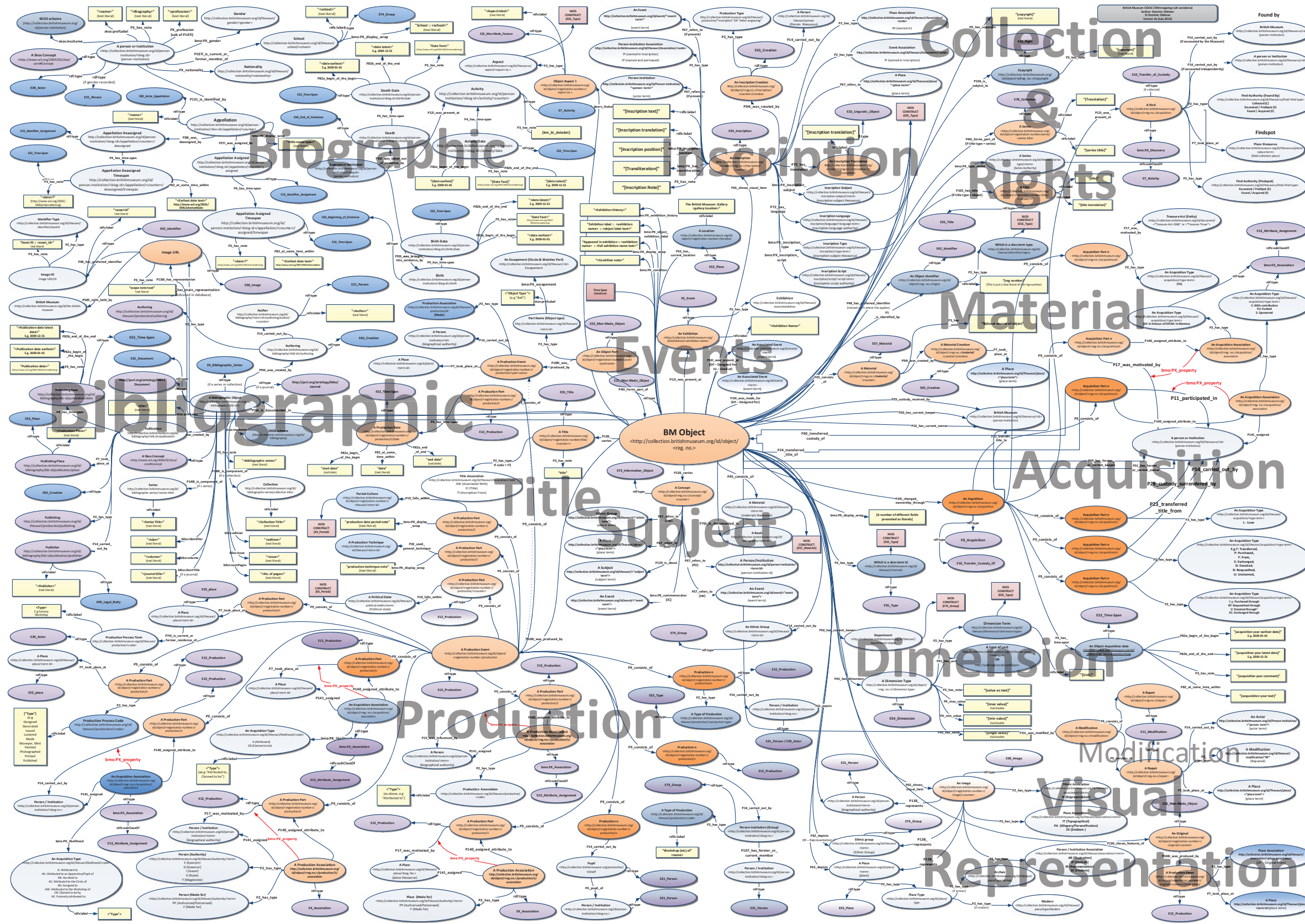
REFERENCE ONTOLOGY FOR CULTURAL HERITAGE

CIDOC CRM @ THE BRITISH MUSEUM (graphic by Dominic Oldman)



REFERENCE ONTOLOGY FOR CULTURAL HERITAGE

CIDOC CRM @ THE BRITISH MUSEUM (graphic by Dominic Oldman)



APPLICATION IN CULTURAL HERITAGE

3D-COFORM, DURATION: DEC. 2008 – NOV. 2012



Integrated viewer browser - 3D-COFORM


File View Help

Search View and Anno...

3D Scene Comment

Areas & Tools Relation

Annotator View Clear All



Maennerkopf bust (figures) 112a ()

Class: Man-Made Object

Uri: uuid:9df65a1a-fd52-4123-90bf-a17d4fa403b4

Properties:

- has type bust (figures)
- has note Beschreibung: Portraet eines baertigen Mannes. Er hat kraeftiges, als Kappe eng am Kopf anliegendes, kurzes Haar, von dem einzelne, kurze Strahlen in die Stirn gekaemmt sind. An den Schlaefen scheint es glatt belassen. Der Bart ist plastischer gestaltet. Hier heben sich einzelne Kocken aus der kompakten Masse heraus. Besonders am Kinn sind einzelne Locken akzentuiert. Das Gesicht ist von langrechteckiger Form. Die kugeligen Augen sitzen unter leicht geschwungenen, kraeftigen Augenbrauen. Die wueltigen Ohrmuscheln befinden sich tief am Kopf. Haare und Bart waren gebohrt. Eine Technik, die im Limesgebiet sonst nicht ueblich ist. Die Rueckseite des Kopfes ist nicht bearbeitet. Das Bildnis duerfte vermutlich in einer Niesche aufgestellt gewesen sein. Der graue, quarzische Sandstein, der fuer das Portraet ausgewaehlt wurde, wird sonst nicht fuer Stockstaedtier Skulpturen verwendet. Im glatt abgeschnittenen Hals befindet sich ein 5 cm tiefes, quadratisches Duebelloch. Stoll, Skulpturenausstattung a.a.O. schlaegt eine Bezeichnung als Hercules vor. Aber auch dieser Kopf, wie schon bei dem vorangegangenen Stueck Nr. 130 beobachtet, strahlt trotz der groben Arbeit Individualitaet aus. Am ehesten laesst sich das Portraet noch mit den Bildnissen des Pupienus vergleichen. Datierung Stoll, Skulpturenausstattung: vierziger Jahre des 3. Jhs. <http://www.saalburgmuseum.de/>
- has current keeper <http://www.saalburgmuseum.de/>
- was digitized by 2012-09-04 acquisition GHS2012 Saalburg Acquisition Workshop Maennerkopf bust (...)
- has preferred label Maennerkopf bust (figures) 112a
- is not uniquely identified by Maennerkopf
- has inventory no 112a

Info Areas Annotations Console

Label	UUID	Date	Creator	Parent	Used in Annotatic	Parent Ingested	Color
Face	uuid:bc1f114-...	2012-09-28T16:...	FhG-IGD:Martin...	uuid:5c62a865-...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Maennerkopf	uuid:a2bd8fb7-...	2012-09-28T16:...	FhG-IGD:Martin...	uuid:5c62a865-...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Set Filter

APPLICATION IN CULTURAL HERITAGE

3D-ICONS & CARARE 2.0 | DURATION: 2012-2015



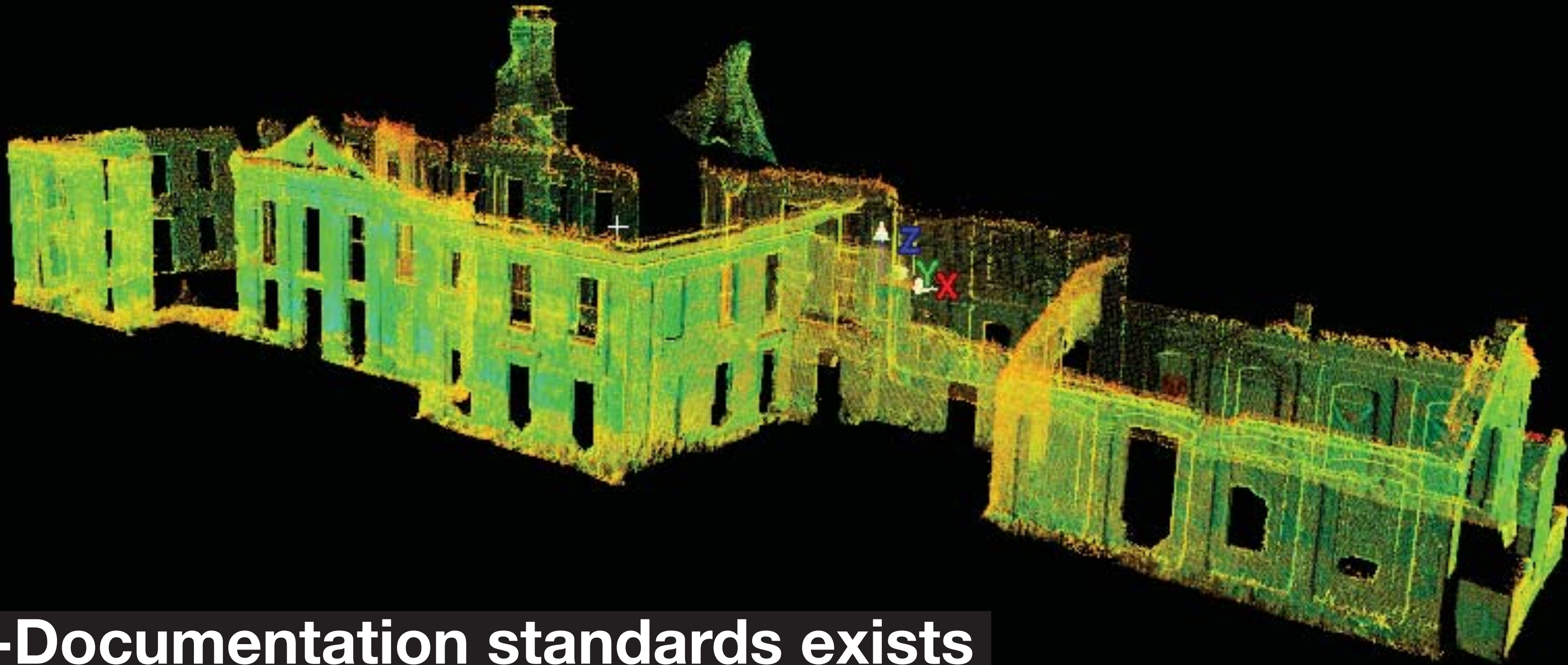
3D ICONS

Developing and applying the CARARE metadata schema for 3D documentation



APPLICATION IN CULTURAL HERITAGE

3D PRESERVATION (DIGITALIZATION OF CULTURAL HERITAGE)

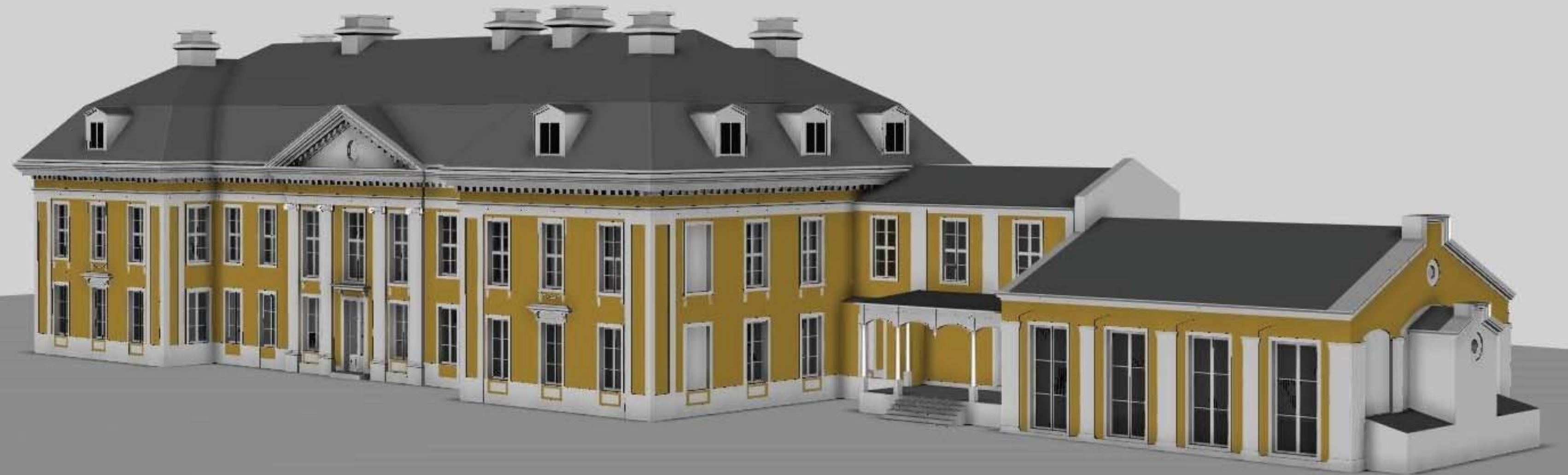


e-Documentation standards exists

APPLICATION IN CULTURAL HERITAGE

3D RECONSTRUCTION (HAND-MADE BORN-DIGITAL 3D MODEL)

What you see, is what you have to believe ...



From the *hypothetical 3D reconstruction* point of view no e-Documentation standards exists

DIGITAL 3D RECONSTRUCTIONS IN VIRTUAL RESEARCH ENVIRONMENTS

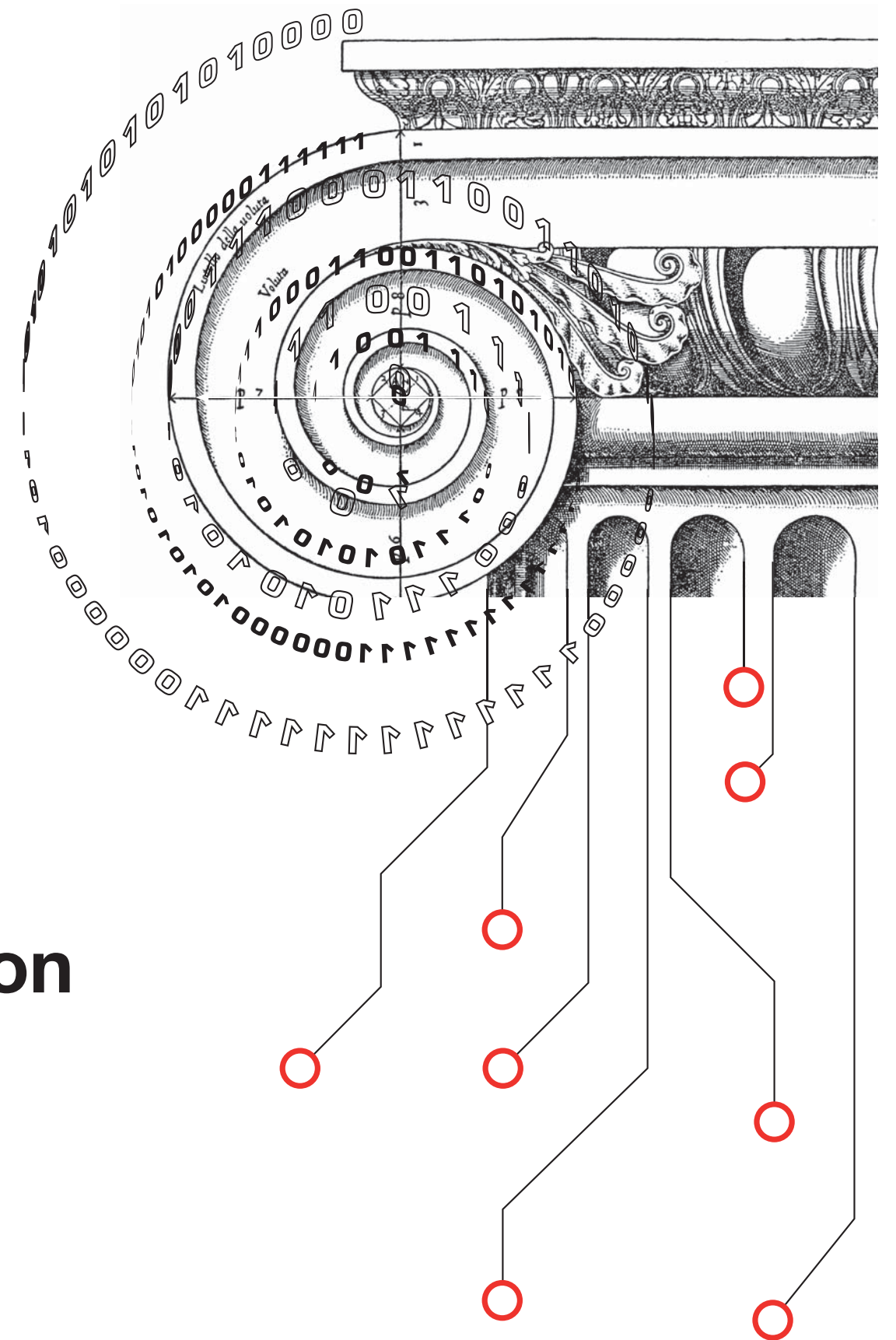
PROJECT OF THE LEIBNIZ ASSOCIATION 2013-2016

CONTENT:

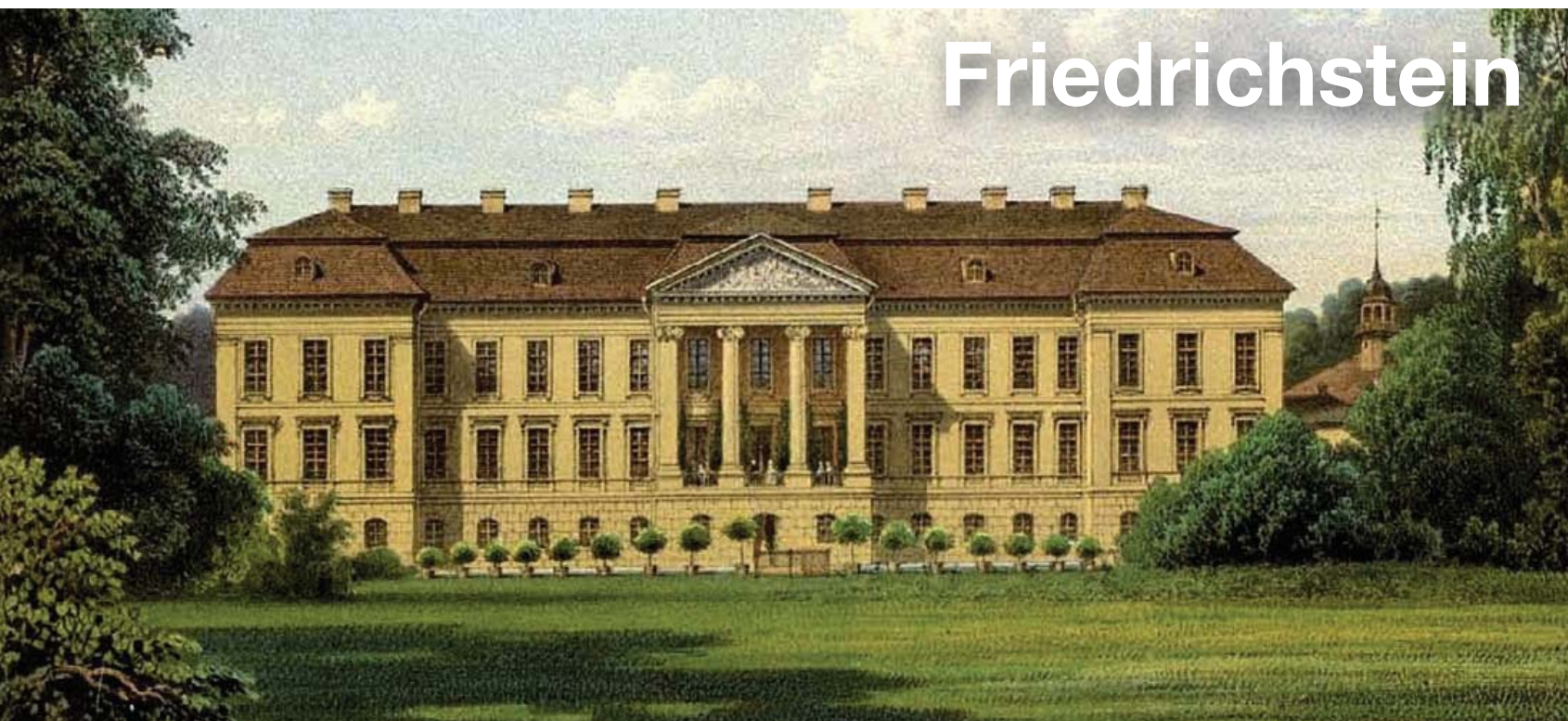
Collaborative Digital Research Environment

GOALS:

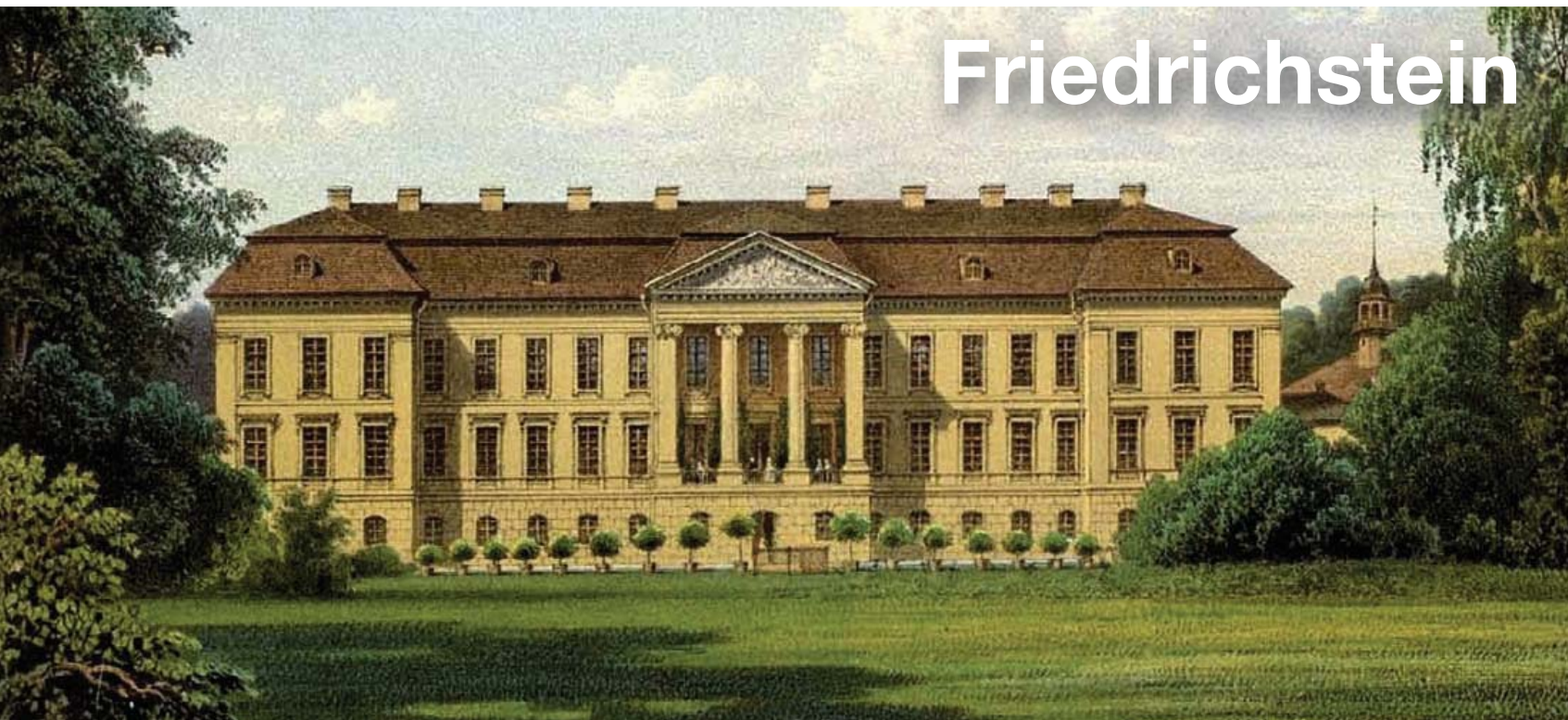
Definition of standards for data processing, documentation and visualisation of cultural heritage through 3D hypothetical reconstruction



DIGITAL RECONSTRUCTION OF TWO DESTROYED BAROQUE PALACES FRIEDRICHSTEIN AND SCHLODIEN IN FORMER EAST PRUSSIA



DIGITAL RECONSTRUCTION OF TWO DESTROYED BAROQUE PALACES FRIEDRICHSTEIN (NOW KAMENKA, RUSSIA) / SCHLODIEN (NOW GŁADYSZE, POLAND)



KICK OFF MEETING, MARBURG 23.09.2013

FIRST SKETCH OF THE PROJECT

Domain experts, (admins)
 Long-term research purposes

Comprehensive
 and scholarly
 approach

Certainty

Sustainability

WEB-PORTAL
 according to
Linked Open Data
 standards

Broad public
 Rapid communication

Geopolitical space

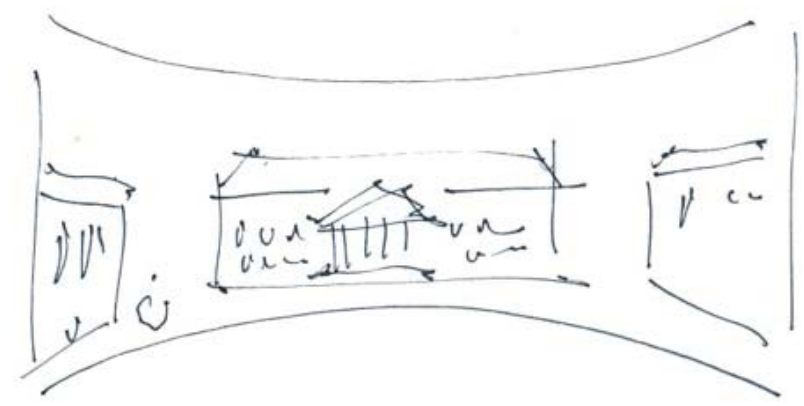
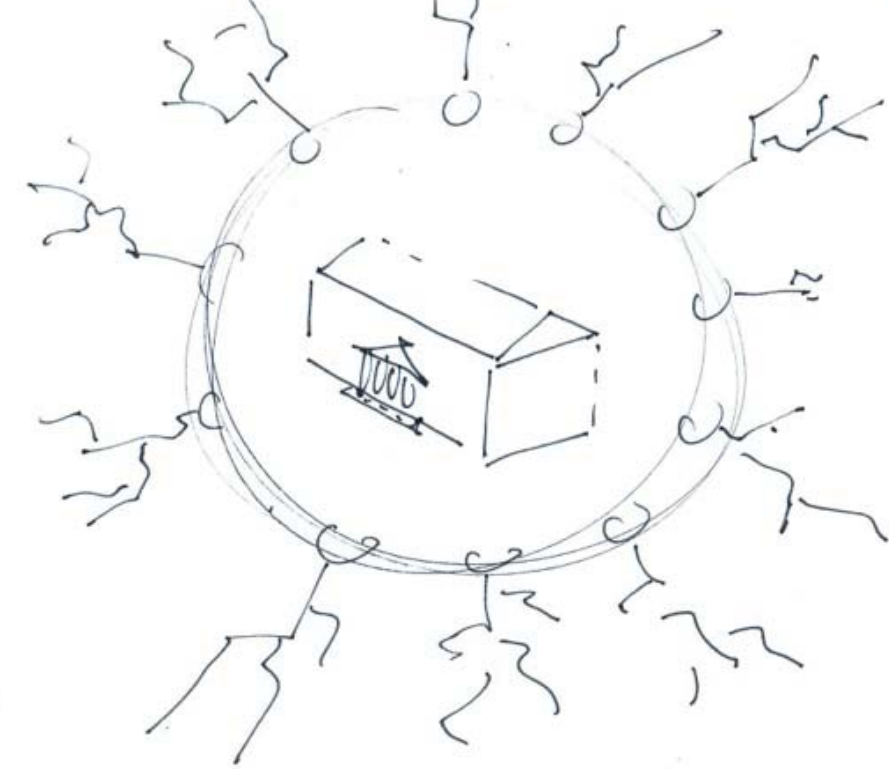
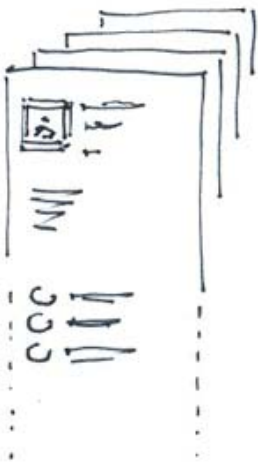
Economic base

Overall system

Representative architecture

Interiors

Objects



**Immersion in the
 digital reconstruction**

Broad public
 via mobile devices on the spot

Hotspots

DIGITAL RECONSTRUCTIONS IN VIRTUAL RESEARCH ENVIRONMENTS

PROJECT CONSTELLATION

Coordination



Herder-Institut für historische Ostmitteleuropaforschung – Institut der Leibniz-Gemeinschaft

Art History



Ernst-Moritz-Arndt-Universität Greifswald



Adam-Mickiewicz-Universität Posen

Informatics



Politechnika Łódzka
Wydział Fizyki Technicznej, Informatyki i Matematyki Stosowanej



Supercomputing and Networking Center
Poznań

Architecture

INSTITUT FÜR RAUMDARSTELLUNG

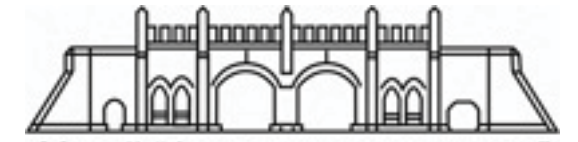


TECHNISCHE UNIVERSITÄT DARMSTADT



Technische Universität
Warschau

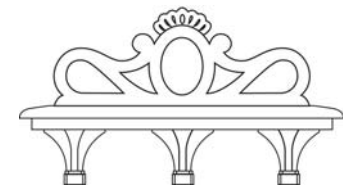
Museum/Foundation



Музей "Фридландские ворота"



Muzeum Warmii i Mazur
w Olsztynie



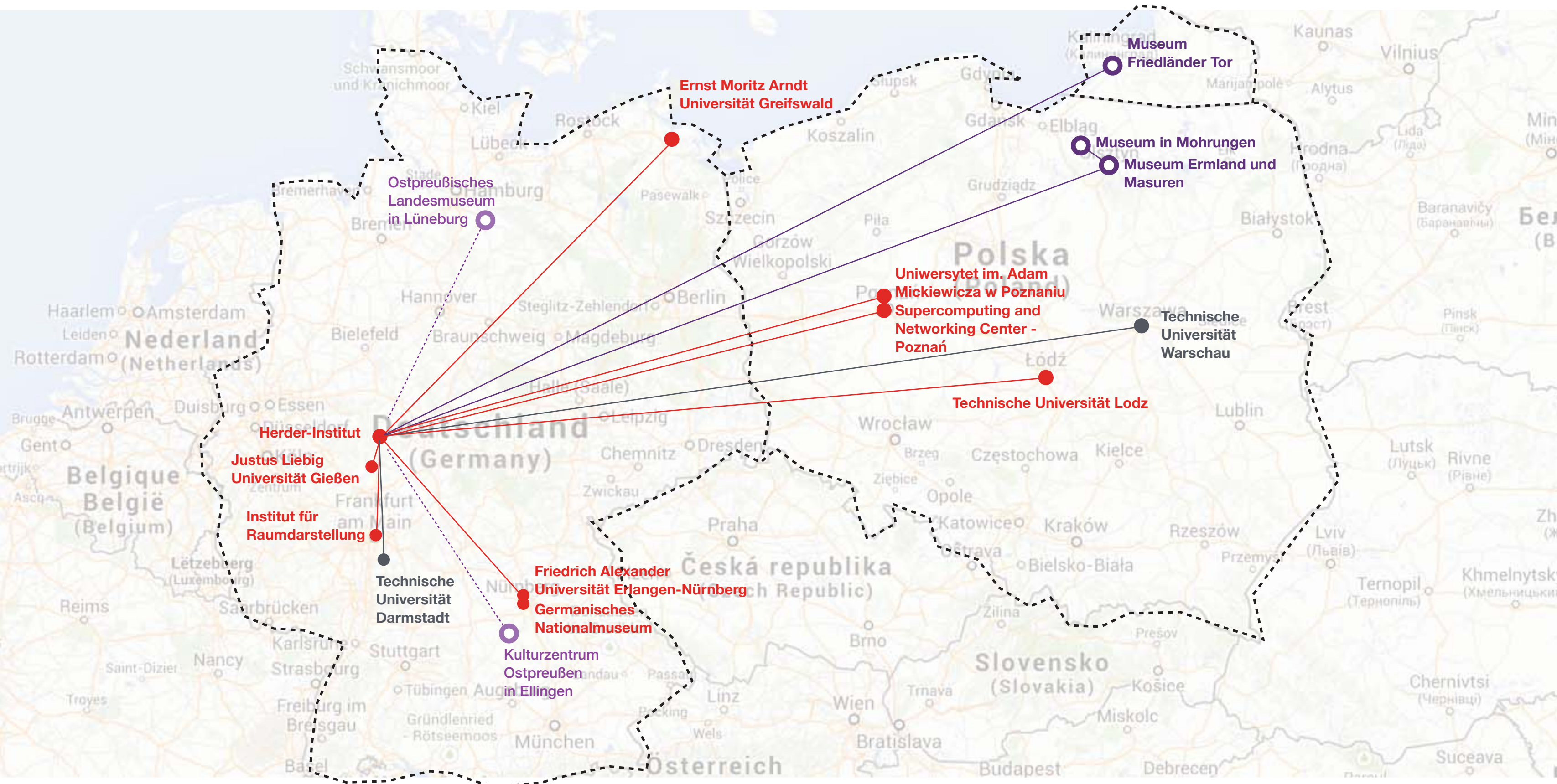
Polnisch-Deutsche Stiftung zum
Schutze des Kulturerbes im Ermland



Ostpreußisches Landesmuseum
Lüneburg

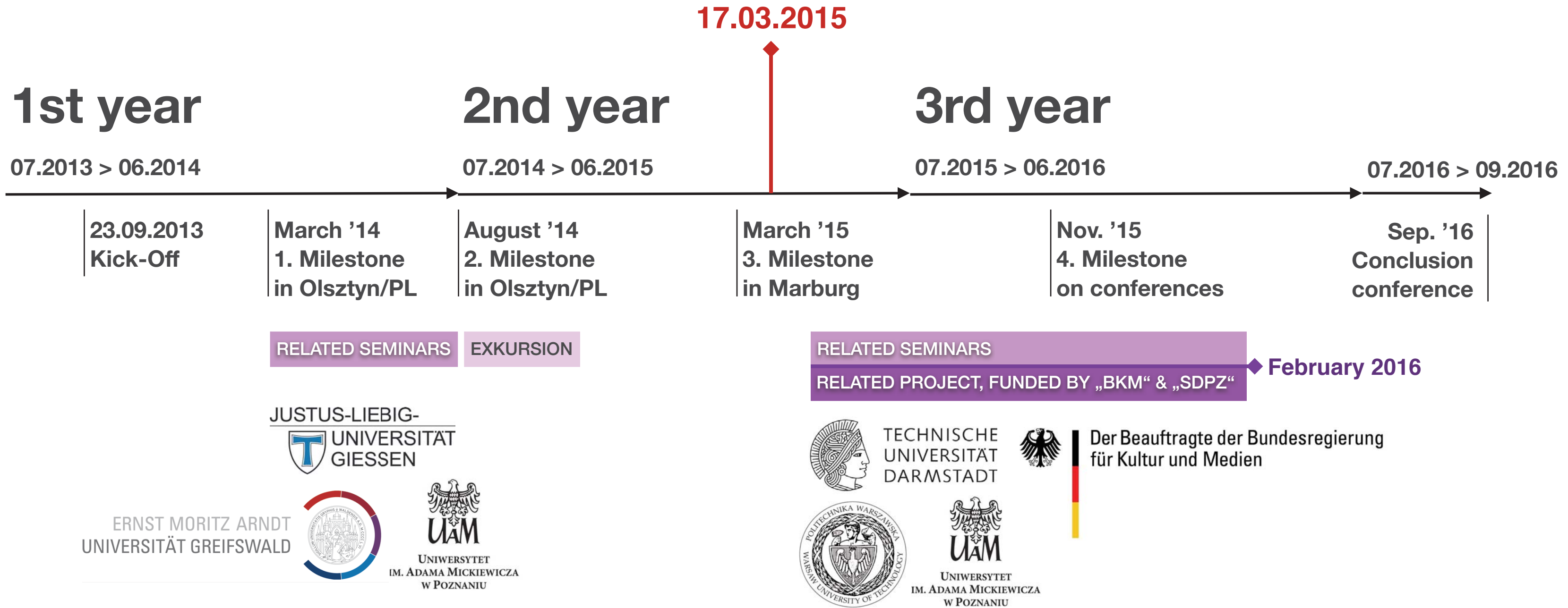
DIGITAL RECONSTRUCTIONS IN VIRTUAL RESEARCH ENVIRONMENTS

PROJECT CONSTELLATION | SPATIAL

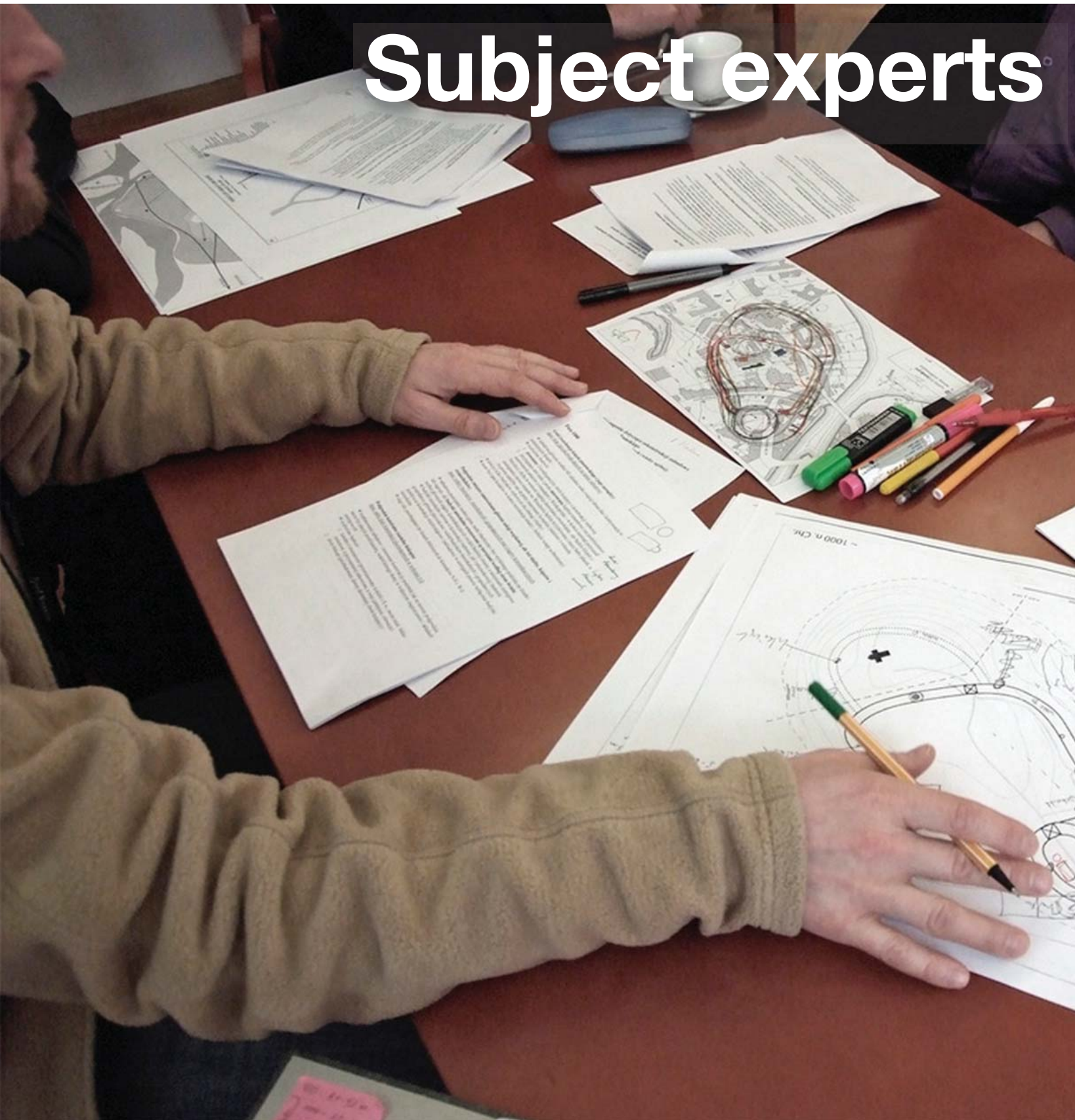


DIGITAL RECONSTRUCTIONS IN VIRTUAL RESEARCH ENVIRONMENTS

PROJECT TIME SCHEDULE



DIGITAL RECONSTRUCTION IN GENERAL ACTIVITY OF SUBJECT EXPERT AND THE MODELER



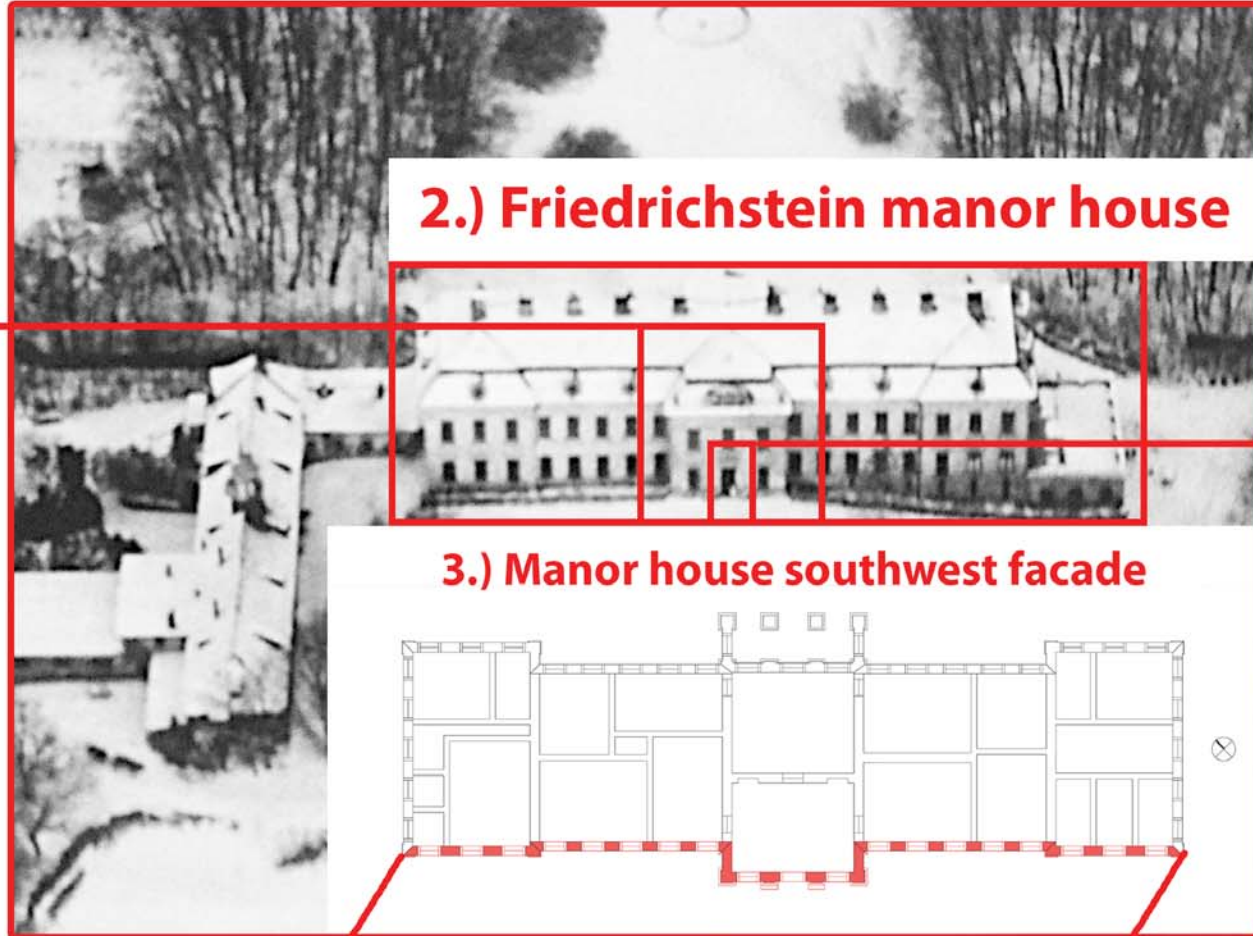
Subject experts



Modelers

DIGITAL RECONSTRUCTION IN GENERAL – ARCHITECT NOMENCLATURE

1.) Friedrichstein manor



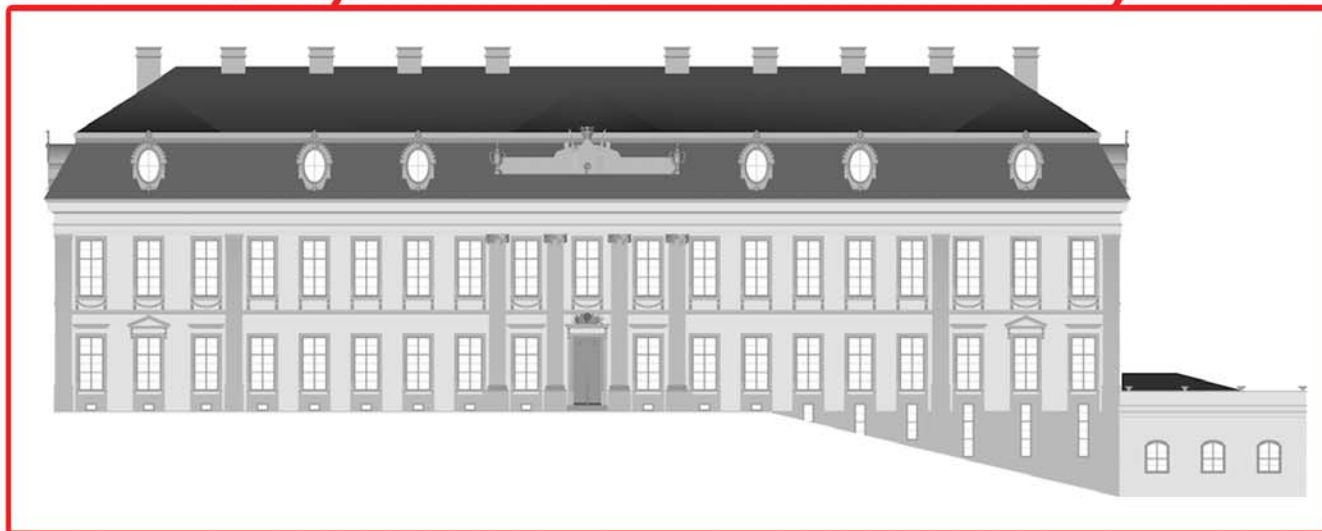
2.) Friedrichstein manor house

3.) Manor house southwest facade



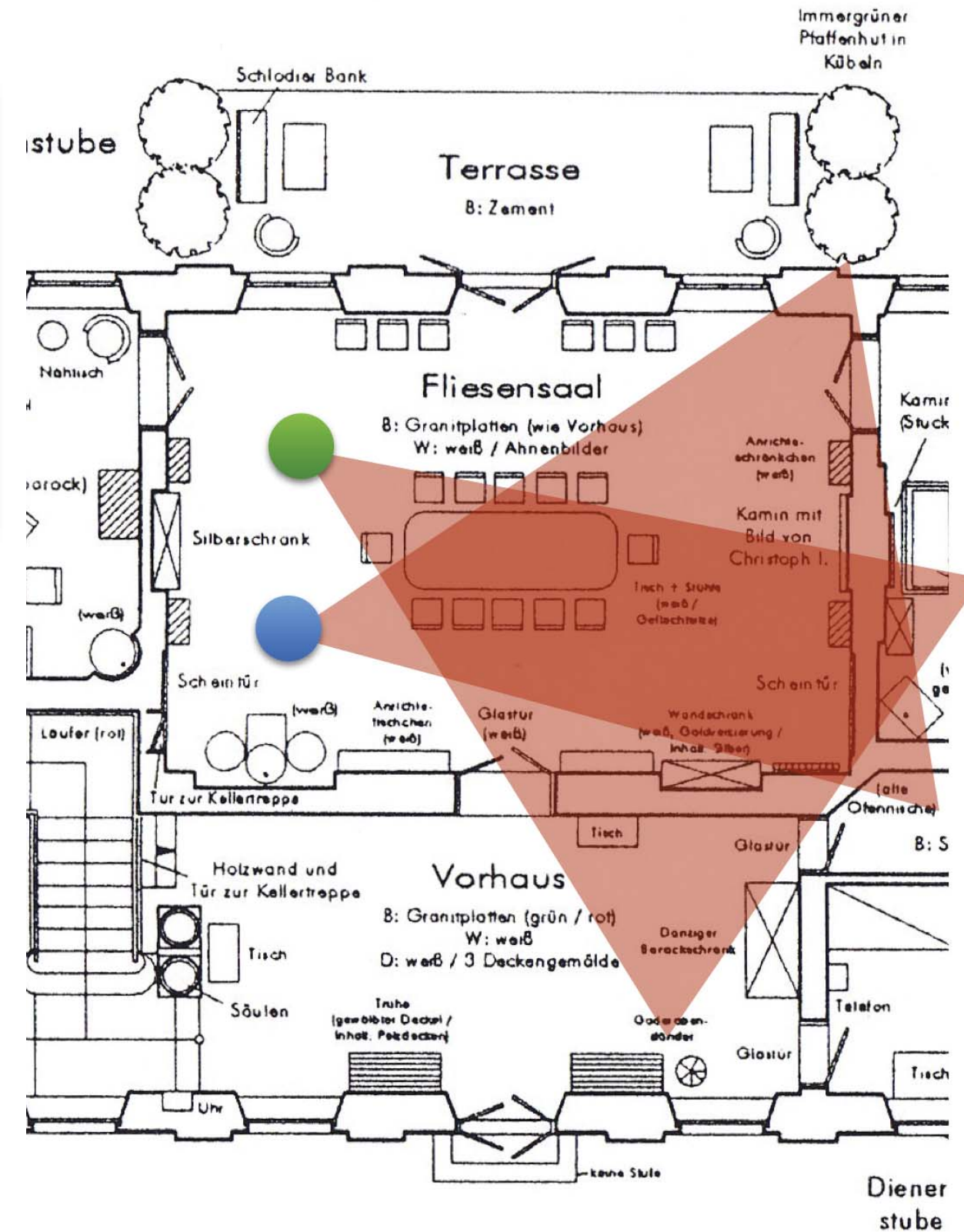
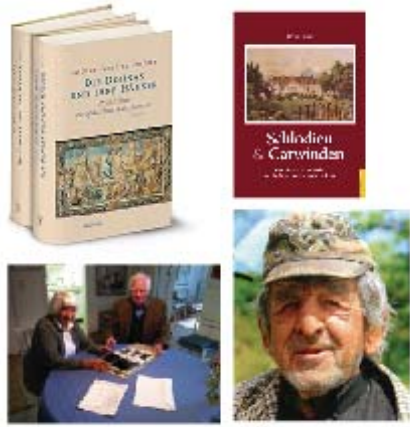
4.) Southwest facade avant-corps

5.) Avant-corps main entrance



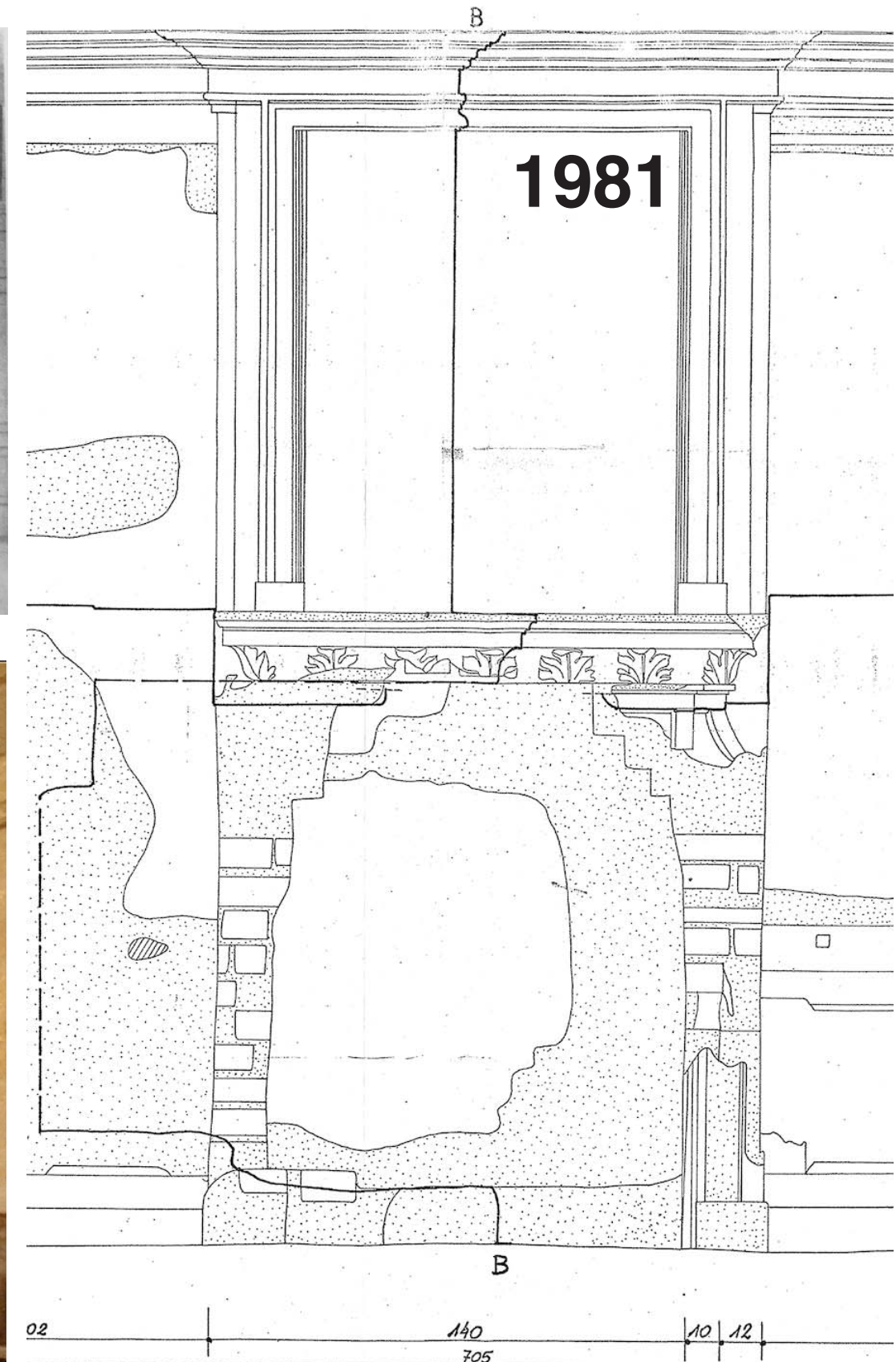
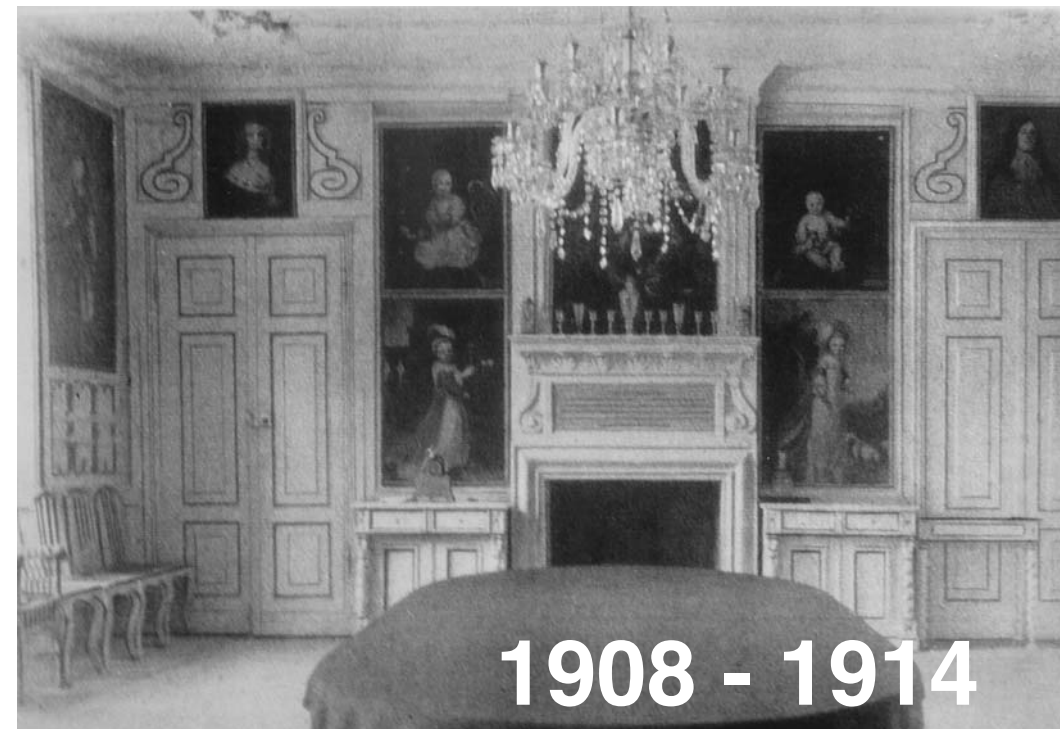
DIGITAL RECONSTRUCTION IN GENERAL – ART HISTORIAN

ACQUISITION ACTIVITY; ANALYSIS AND IDENTIFICATION OF THE OBJECTS



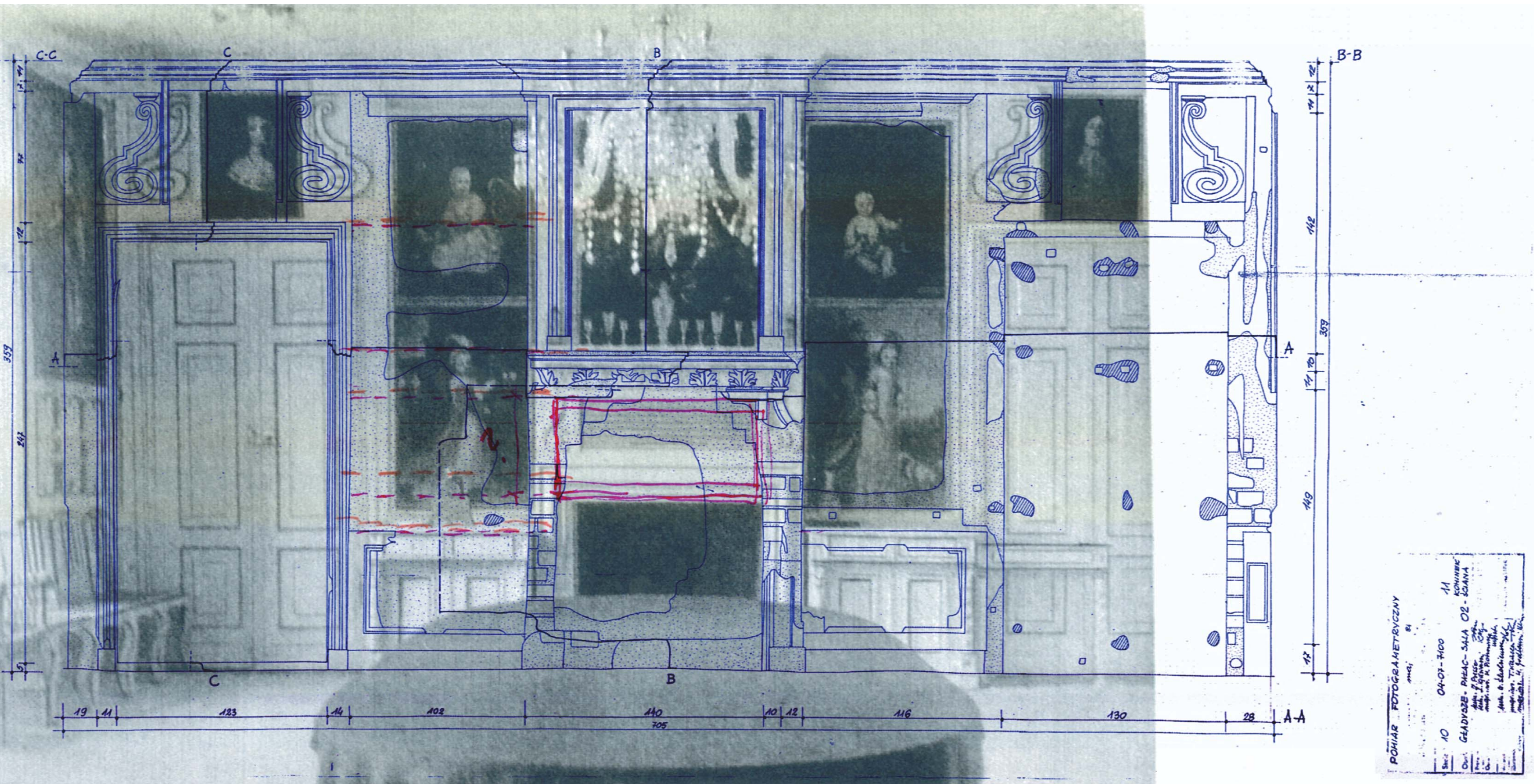
DIGITAL RECONSTRUCTION IN GENERAL – ART HISTORIAN

DATA BASE ACCORDING ALL ANNOTATED IMAGE SOURCES FOR A FIRE PLACE



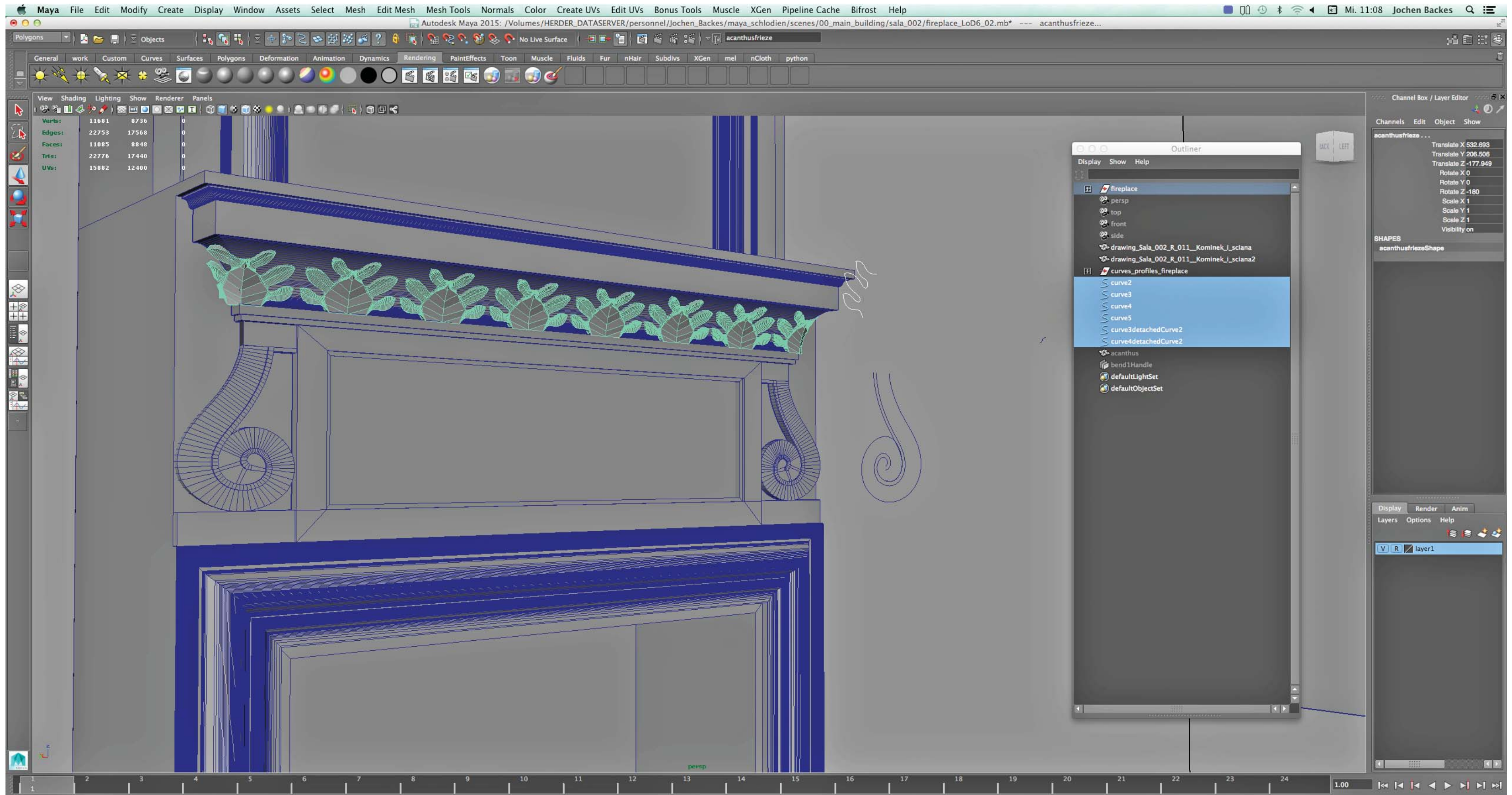
DIGITAL RECONSTRUCTION IN GENERAL – ARCHITECT

COMPILATION, INTERPRETATION AND SPATIAL CONSTRUCTION

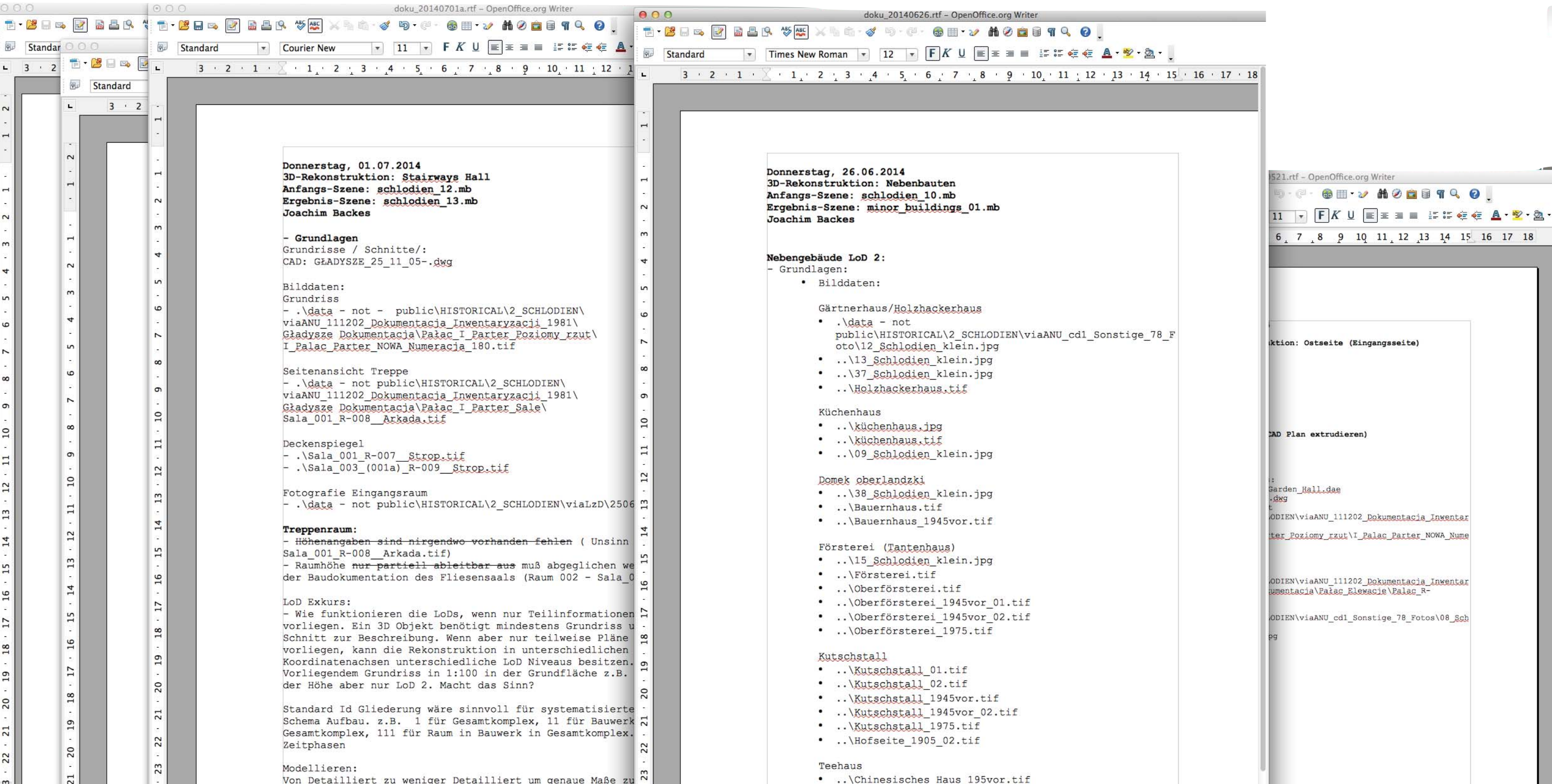


DIGITAL RECONSTRUCTION IN GENERAL – ARCHITECT

3D MODELLING



DIGITAL RECONSTRUCTION IN GENERAL – ARCHITECT PROTOCOLING THE WORK PROCESS

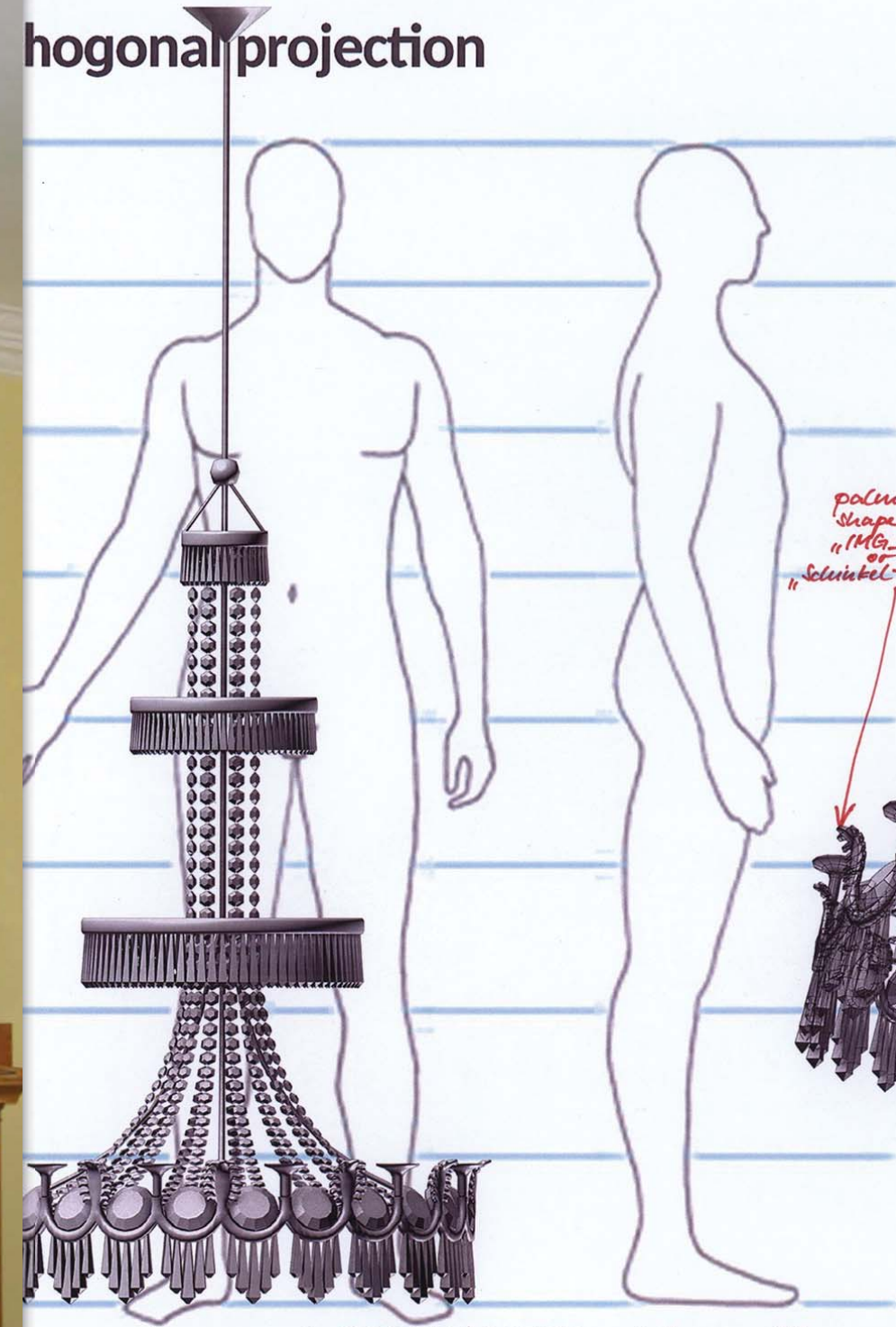


DIGITAL RECONSTRUCTION IN GENERAL – ARCHITECT ⇔ ART HISTORIAN SUPERVISION

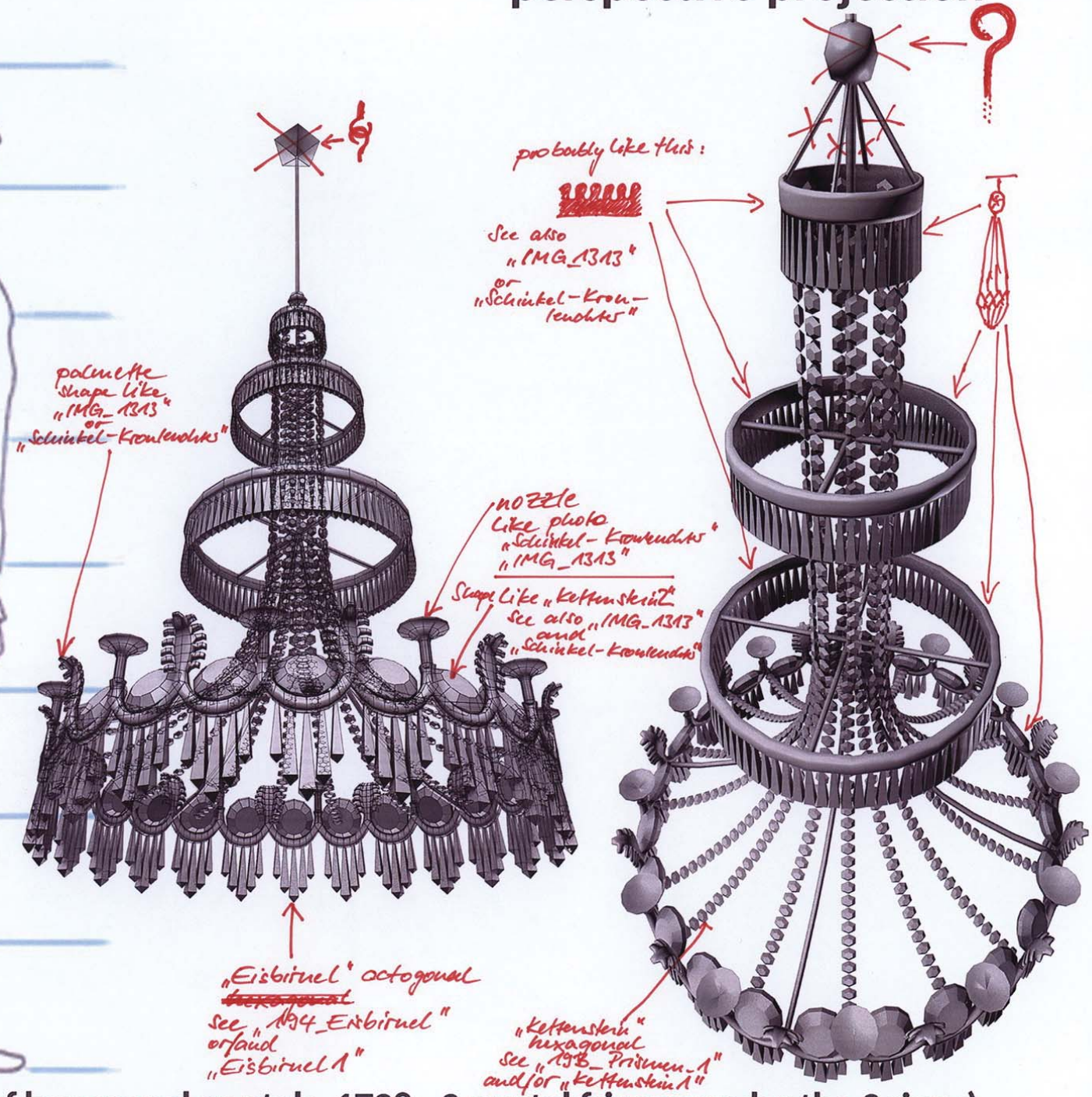


gallery - chandelier

isometric projection



perspective projection

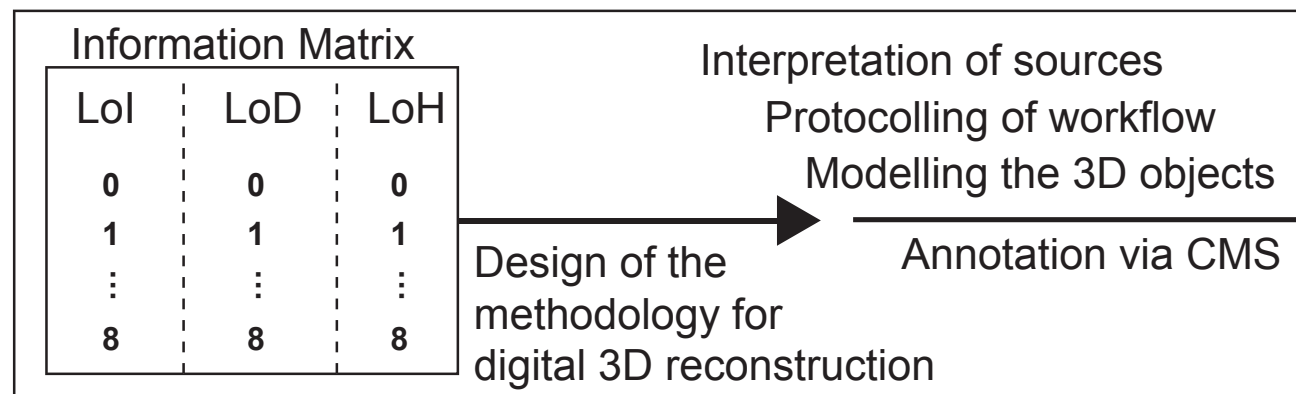
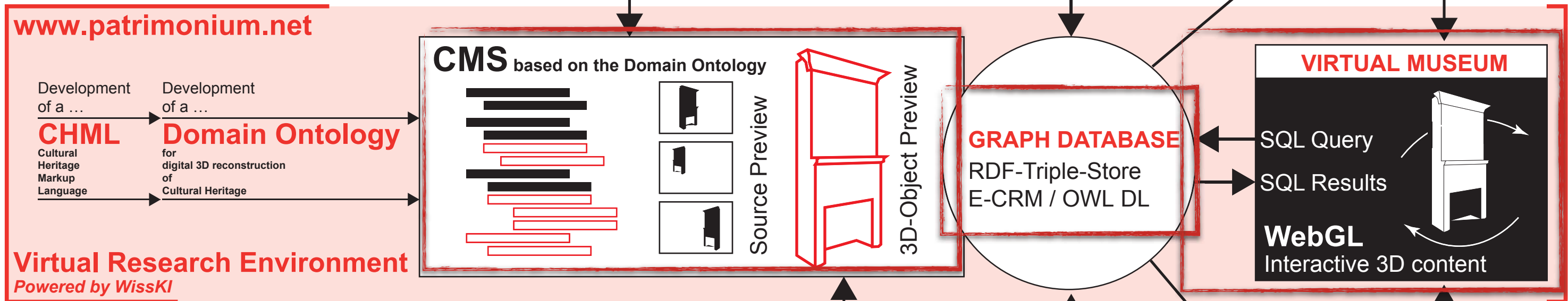
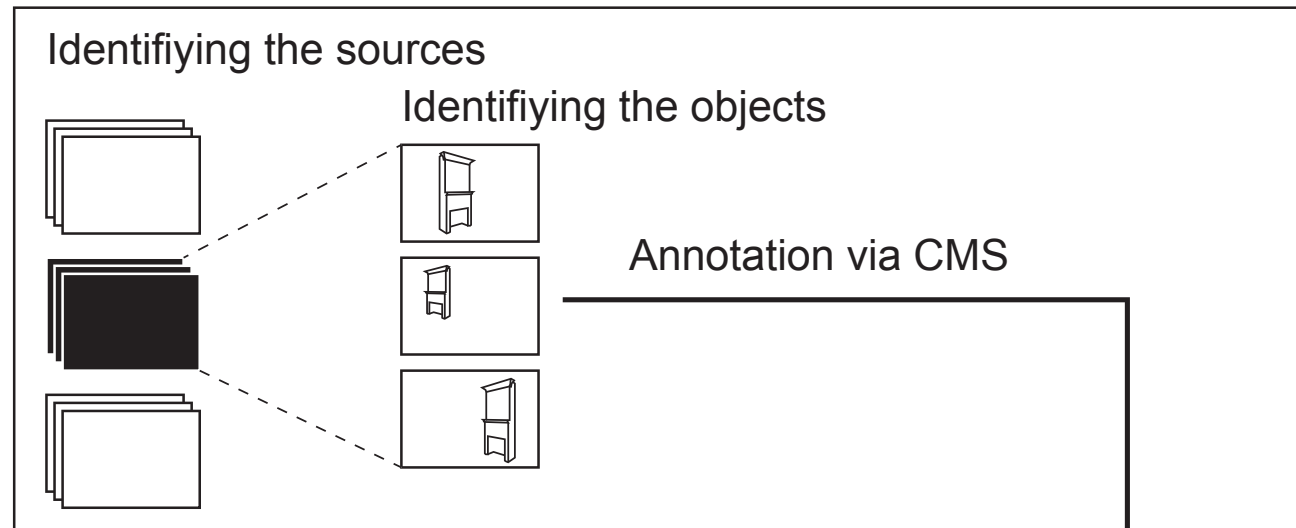


vertex count: 23055 (11520 - strings of hexagonal crystals, 1728 - 3 crystal fringes under the 3 rings)

PATRIMONIUM.NET

VIRTUAL RESEARCH ENVIRONMENT

Activities of a domain expert (e.g. art historian)

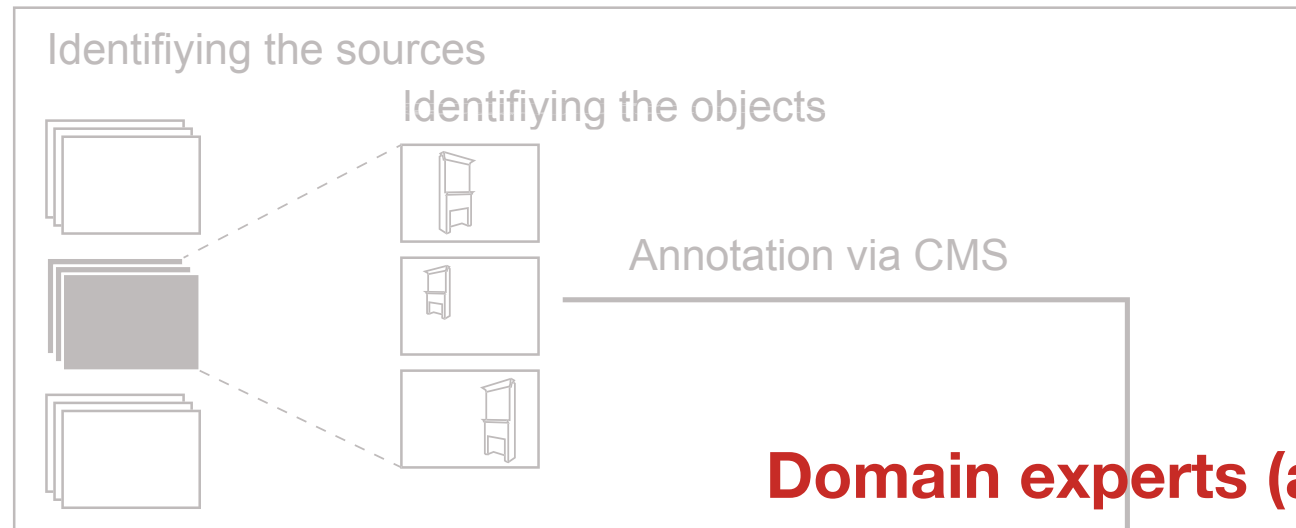


Activities of a 3D modeller (e.g. architect)

PATRIMONIUM.NET

VIRTUAL RESEARCH ENVIRONMENT

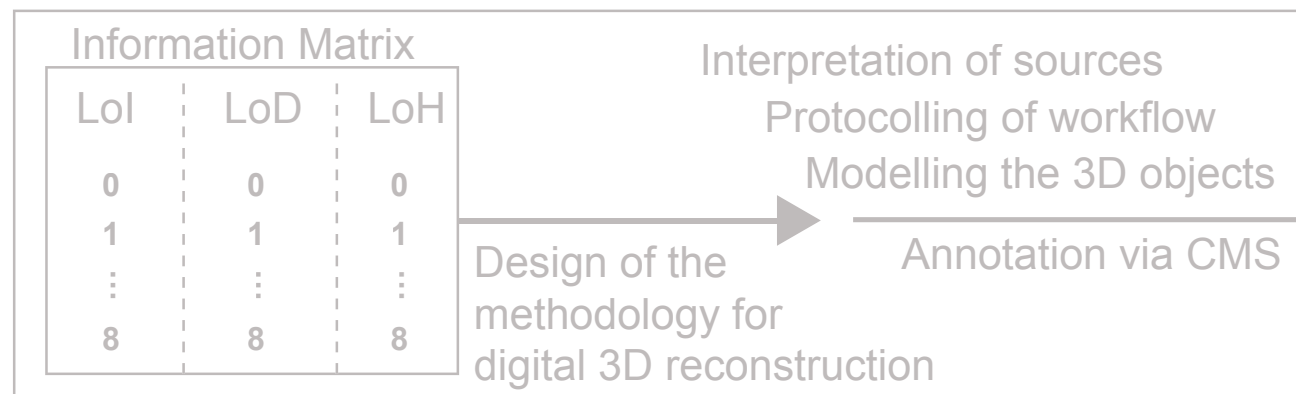
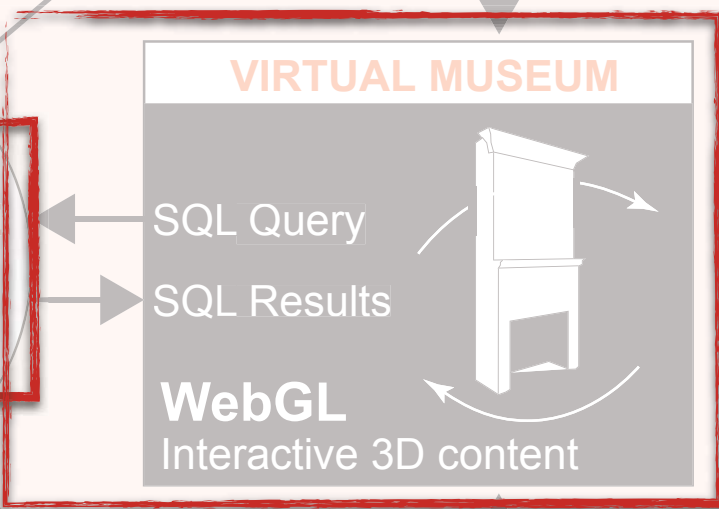
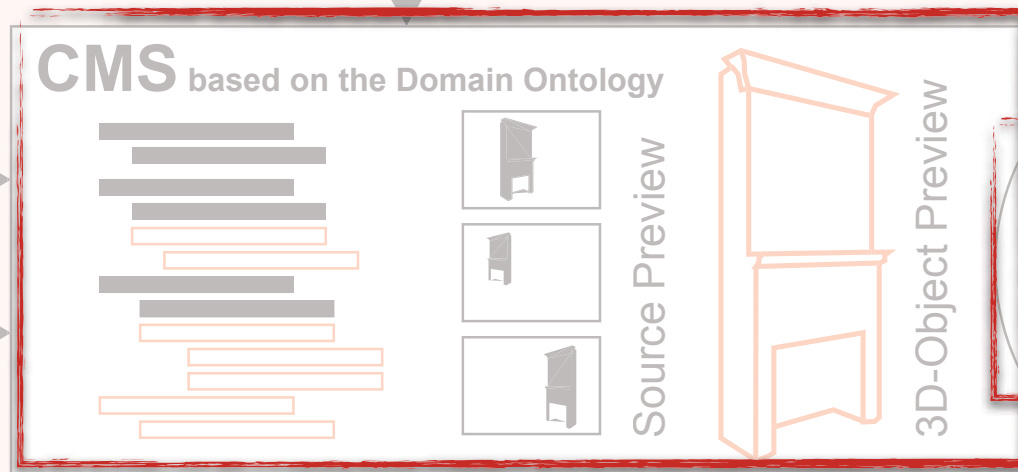
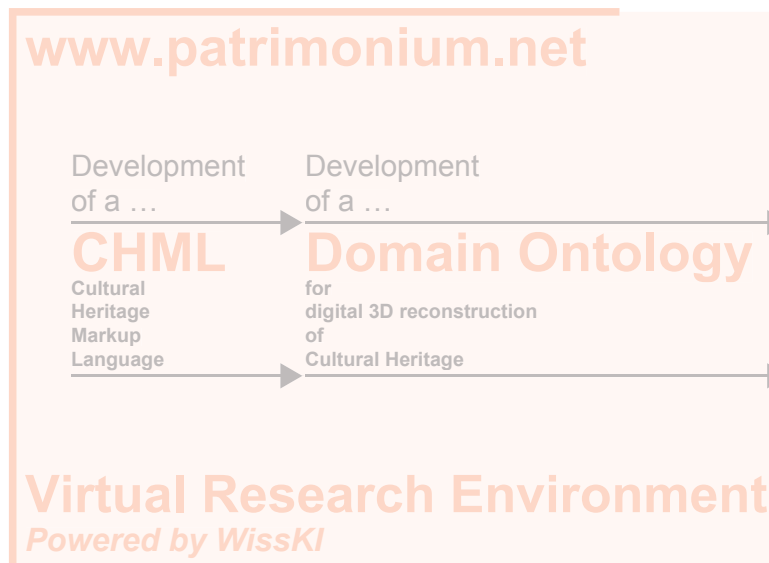
Activities of a domain expert (e.g. art historian)



Domain experts (admins)
Long-term research purposes

WEB-PORTAL
according to
Linked Open Data
standards

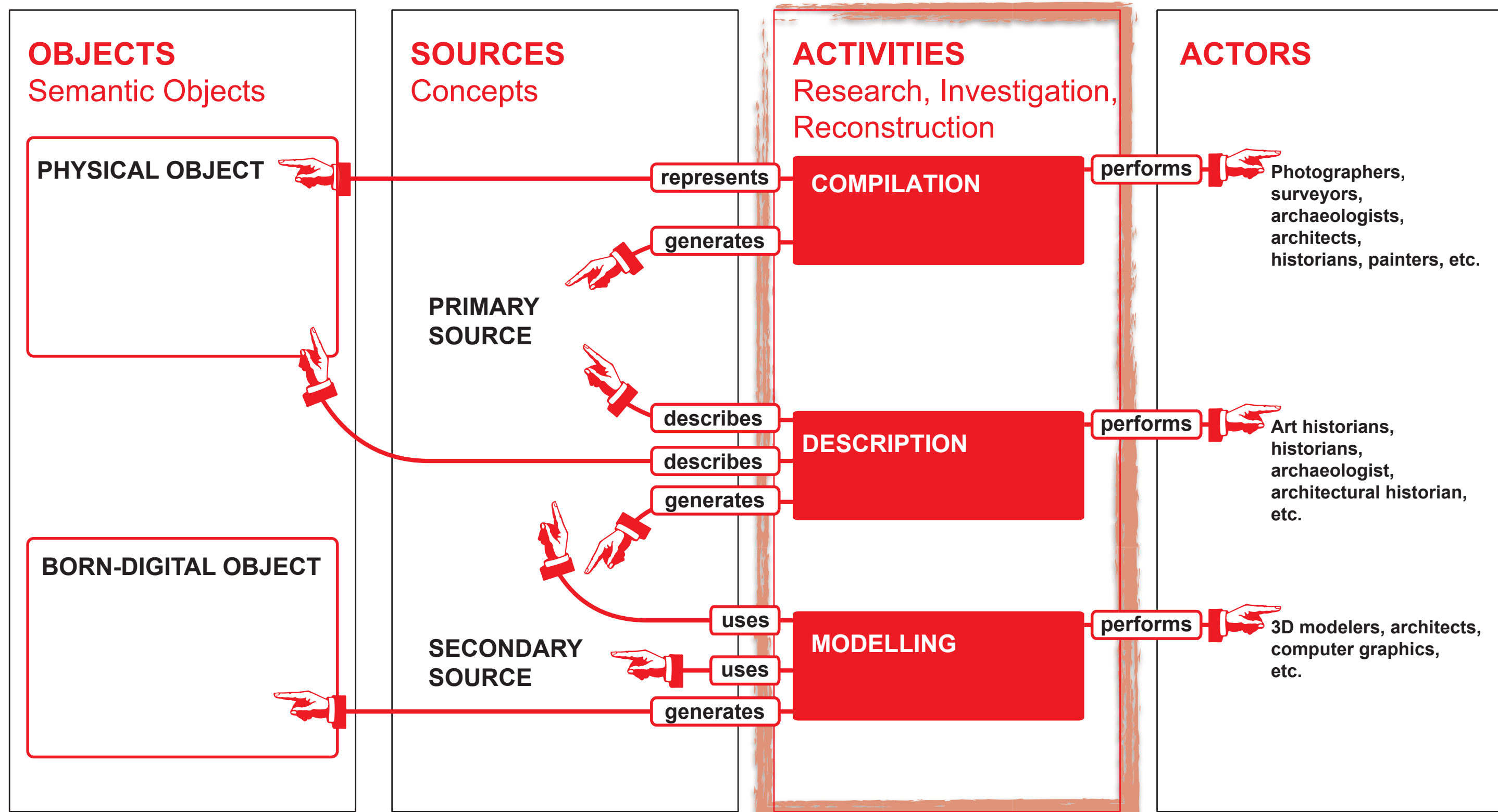
Broad public
Rapid communication



Activities of a 3D modeller (e.g. architect)

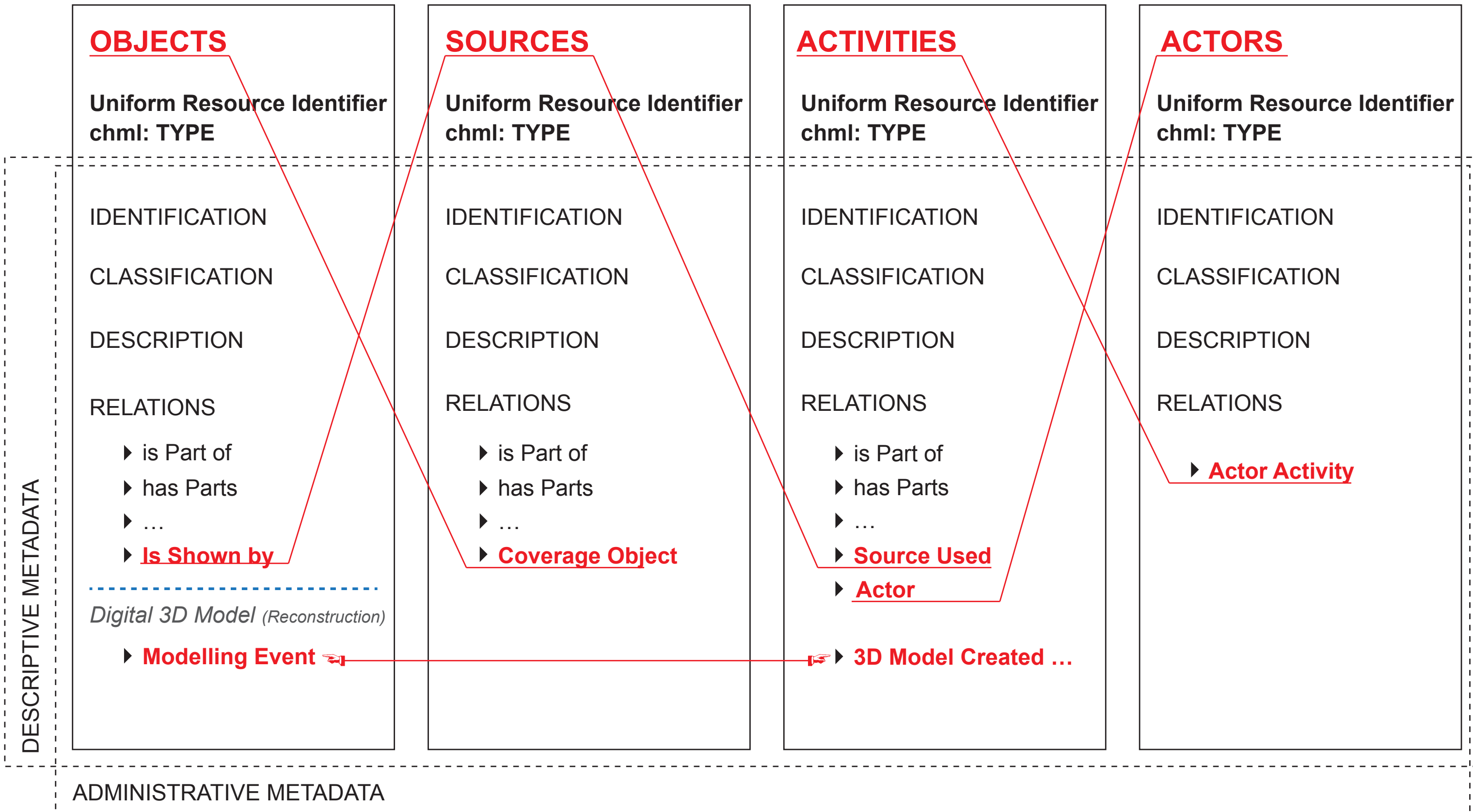
CULTURAL HERITAGE MARKUP LANGUAGE

DESCRIBING ACTIVITY-CENTRIC WORKFLOW WITHIN FOUR MAIN THEMES



CULTURAL HERITAGE MARKUP LANGUAGE

INTERLINKED ELEMENTS



ENHANCEMENT OF THE PARADATA SEMANTIC LEVEL OF DETAIL (LoD)

Der **LoD** ist eng mit den Fachtermini der **CHML types** verknüpft. „Gebäude“, „Raum“, „Wand“, „Sockelleiste“ implizieren verschiedene Detailstufen.

Die Fachtermini können so auch der Informationsdichte der Quellen zugeordnet werden (Level of Information – LoI).

OLIVER HAUCK: *Zur Methodik der computergestützten dreidimensionalen Rekonstruktion von Gebäuden am Beispiel der Hagia Sophia Justinians in Istanbul.* Laufende Dissertation an der Technischen Universität Darmstadt.

CULTURAL HERITAGE MARKUP LANGUAGE

SEMANTIC LEVEL OF DETAIL (LoD)

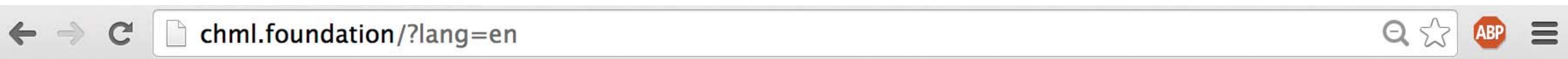
Dies ermöglicht ein einfaches Schema zur Darstellung des
Hypotheseanteils des rekonstruierten Objektes
(Level of Hypothesis – LoH):

$$\mathbf{LoI - LoD = LoH}$$

OLIVER HAUCK: *Zur Methodik der computergestützten dreidimensionalen Rekonstruktion von Gebäuden am Beispiel der Hagia Sophia Justinians in Istanbul.* Laufende Dissertation an der Technischen Universität Darmstadt.

CULTURAL HERITAGE MARKUP LANGUAGE – VERSION 0.9.1

XML METADATA SCHEMA READY FOR PEER REVIEW



Cultural Heritage Markup Language – A Markup Language for the Cultural Heritage

english / deutsch / polski

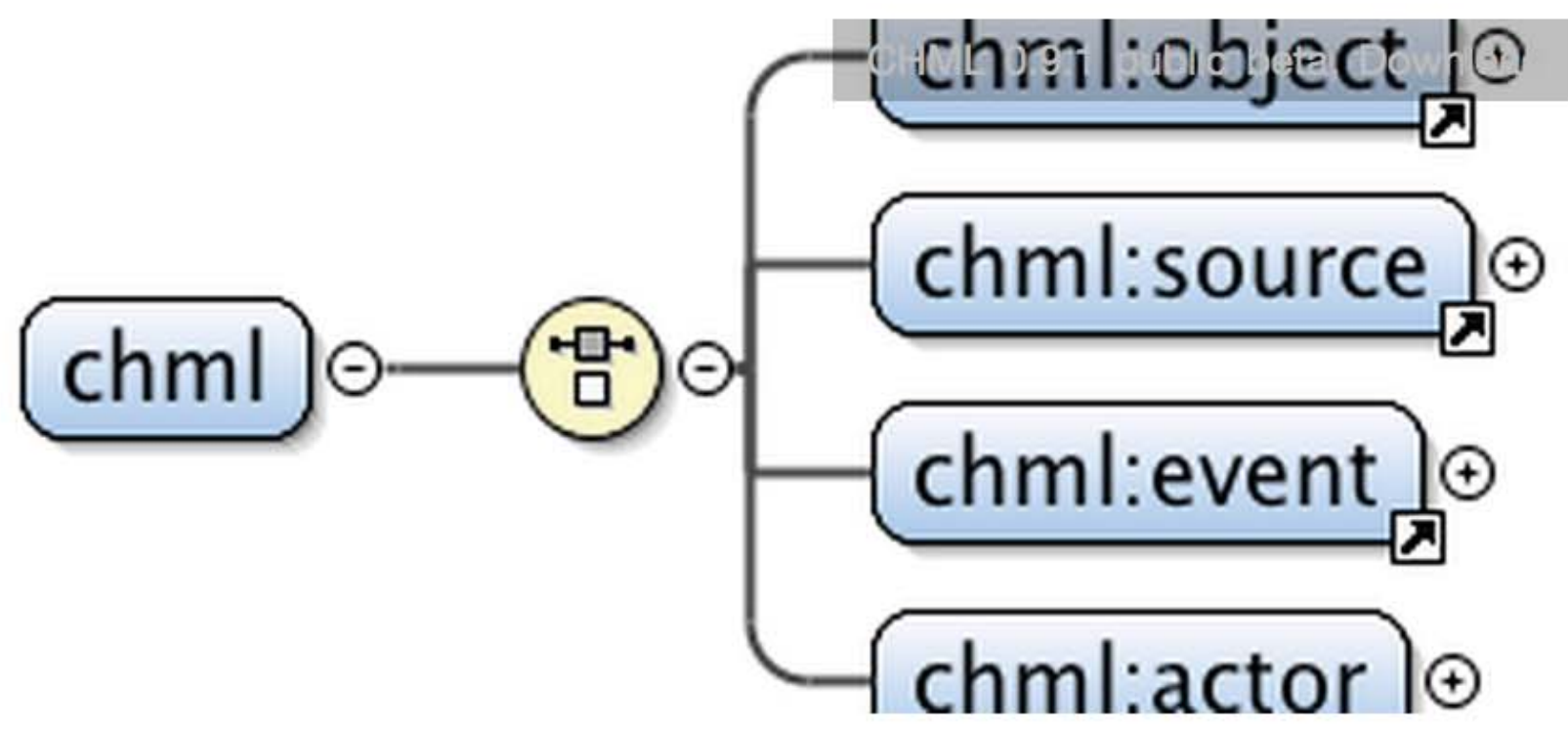
RECENT POSTS

- CHML 0.9.1 public beta ready for peer review

Browse: Home

AUTHORS

- Oliver Hauck
- Piotr Kuroczyński



CHML 0.9.1 PUBLIC BETA READY FOR PEER REVIEW

Download CHML Schema Version 0.9.1 here:
CHML-Schema_v_0-9-1.xsd

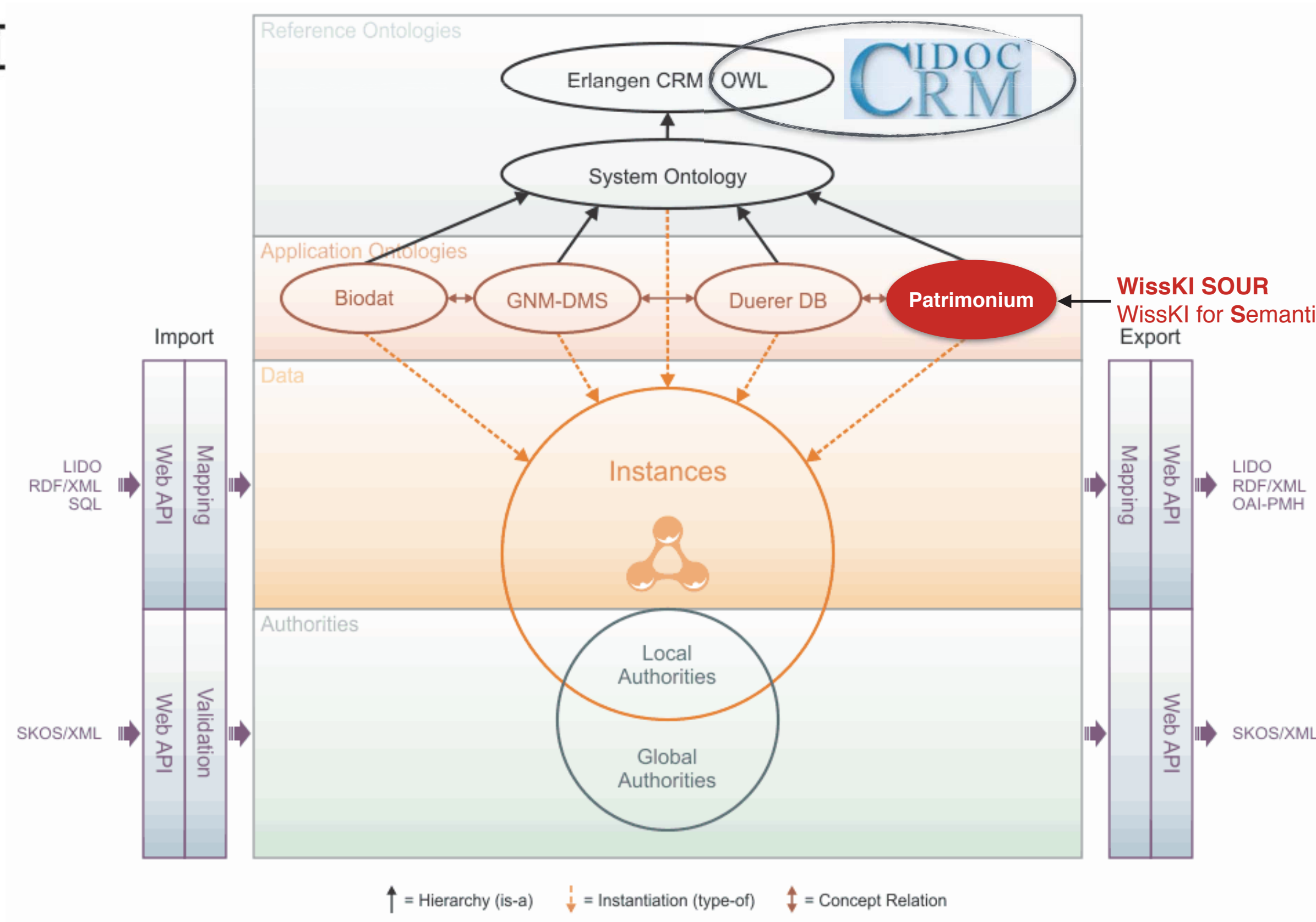
CHML IMPLEMENTATION IN E-CRM (ERLANGEN-CRM), REFERRED TO CIDOC-CRM TOWARDS AN DOMAIN ONTOLOGY FOR DIGITAL RECONSTRUCTION

The screenshot displays a web-based ontology editor interface with several panels:

- Active Ontology:** Includes tabs for "Entities" and "Individuals by class".
- Class hierarchy:** Shows a tree structure starting with `owl:Thing`. It includes classes like `ecrm:E1_CRM_Entity`, `ecrm:E2_Temporal_Entity`, `ecrm:E52_Time-Span`, `ecrm:E53_Place`, `ecrm:E54_Dimension`, `ecrm:E77_Persistent_Item`, `ecrm:E39_Actor`, `ecrm:E70_Thing`, `ecrm:E71_Man-Made_Thing`, `ecrm:E24_Physical_Man-Made_Thing`, `ecrm:E28_Conceptual_Object`, `herder:H18_Object`, `herder:H17_Immaterial_Object`, `herder:H5_Material_Object`, `ecrm:E72_Legal_Object`, and `ecrm:E92_Spacetime_Volume`.
- Object property hierarchy:** Shows a tree structure for `herder:R5_created`, including properties like `ecrm:P108_has_produced`, `ecrm:P123_resulted_in`, `ecrm:P94_has_created`, `ecrm:P95_has_formed`, `ecrm:P98_brought_into_life`, `ecrm:P93_took_out_of_existence`, `herder:R3_dealt_with`, `herder:R42_destroyed`, `herder:R43_modified`, `herder:R48_published`, `herder:R5_created`, and `ecrm:P12i_was_present_at`.
- Annotations:** A panel titled "Annotations: herder:R5_created" with a sub-panel for "Annotations +".
- Object Property Usage:** A panel titled "Object Property Usage" with a sub-panel for "Object Property Usage".
- Characteristics:** A list of checkboxes for property characteristics: Functional, Inverse functional, Transitive, Symmetric, Asymmetric, Reflexive, Irreflexive.
- Description:** A panel titled "Description: herder:R5_created" showing relationships:
 - Equivalent To: +
 - SubProperty Of: + `herder:R3_dealt_with`
 - Inverse Of: + `herder:R5i_was_created_by`
 - Domains (intersection): + `herder:H1_Action`
 - Ranges (intersection): + `ecrm:E77_Persistent_Item`
 - Disjoint With: +

SCIENTIFIC COMMUNICATION INFRASTRUCTURE

WISS-KI.EU



WissKI SOUR
WissKI for **S**emantic **O**bjects **U**sing **R**esources

↑ = Hierarchy (is-a) ↓ = Instantiation (type-of) ↔ = Concept Relation

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Digital 3D Reconstruction in Virtual Research Environments

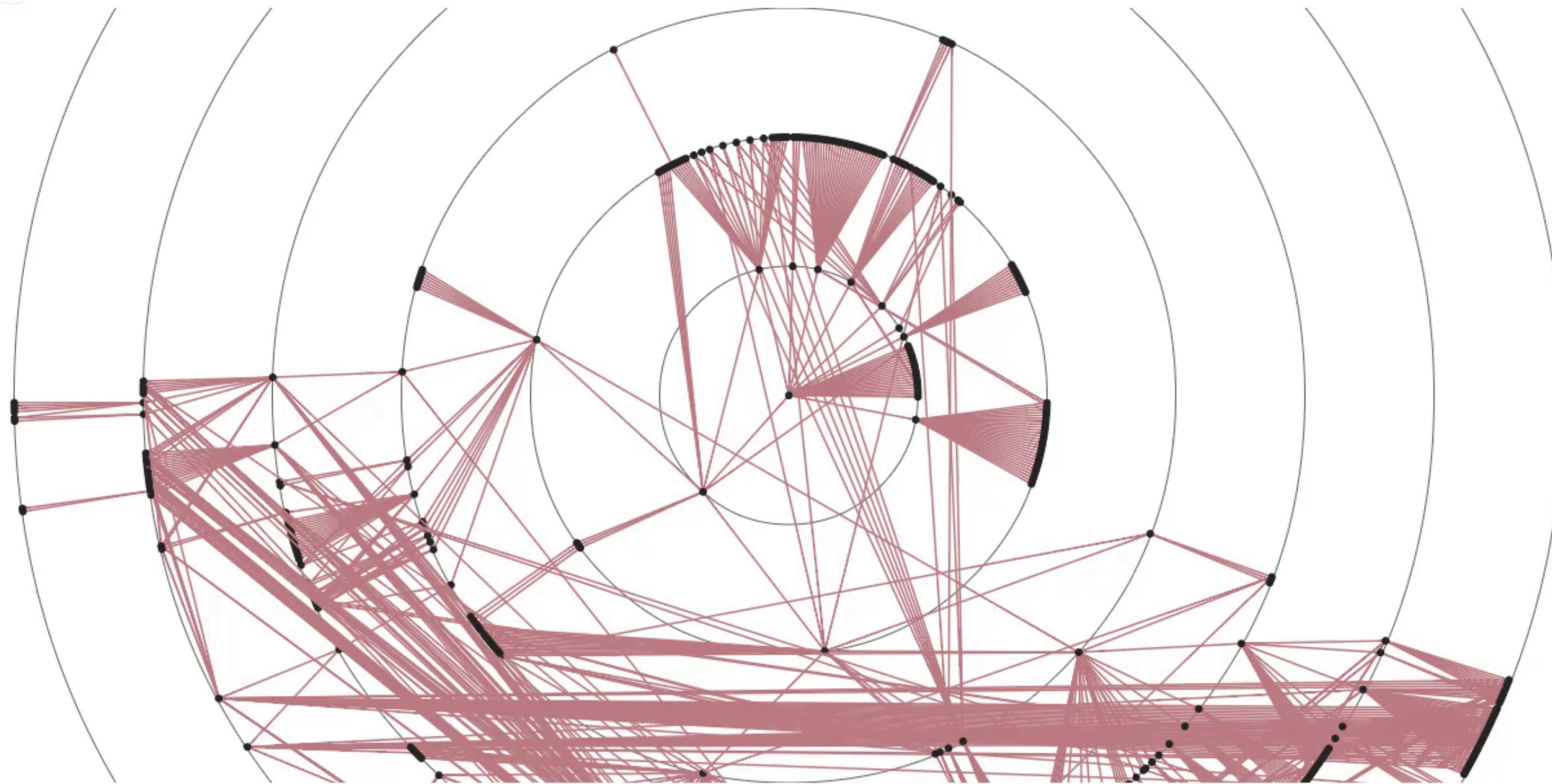
Create

Navigate

Find

Home

View Merge Edit Devel



PATRIMONIUM TOOLS TO BE IMPLEMENTED

2D SEMANTIC ANNOTATION

HyperImage Editor 3.0.beta1 - Herder-Institut | Test

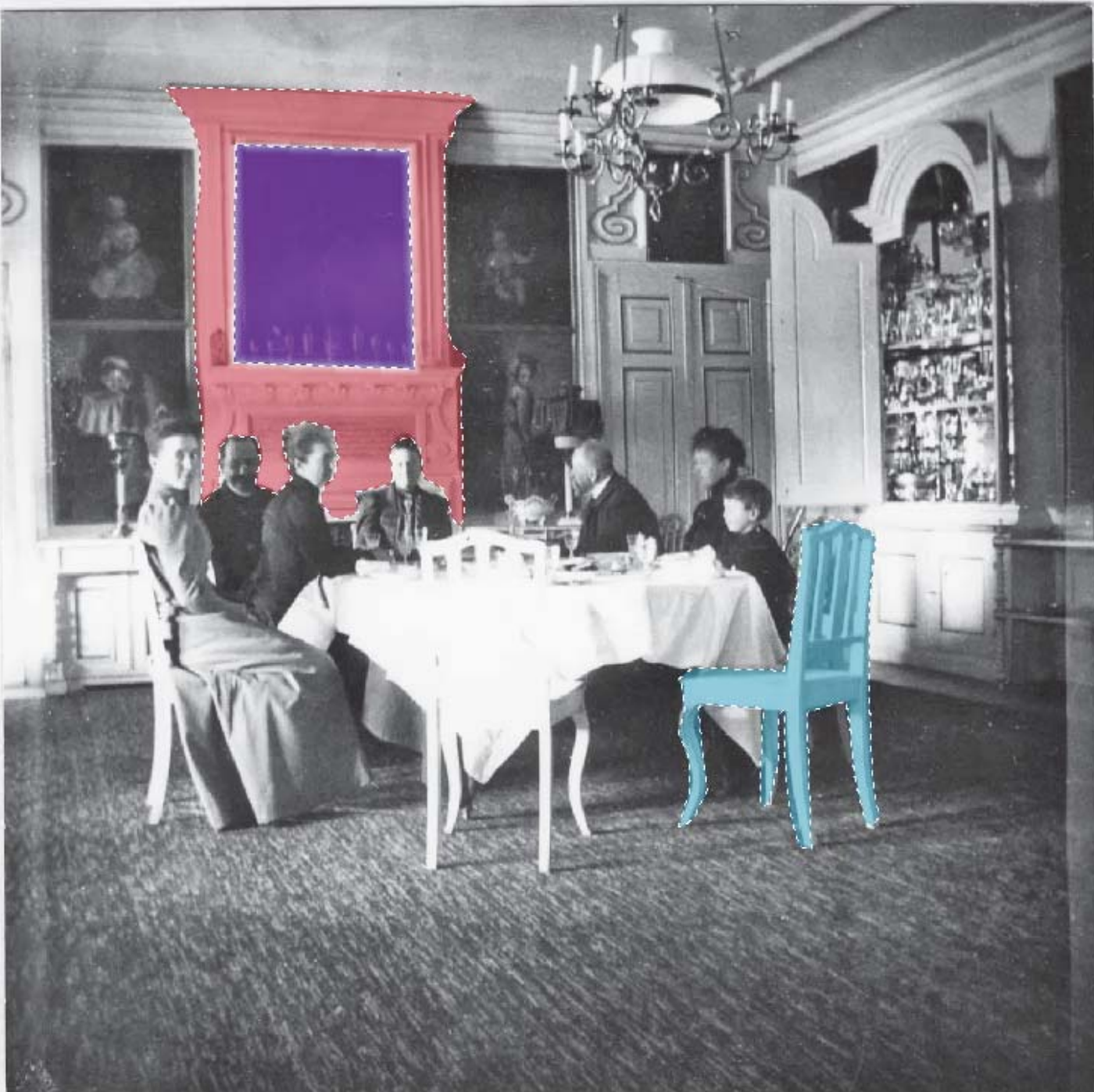
Editor Project Tools Window Help

Layer Editor (449a0118-4695-3596-8122-1ad991e1e065)

Layers

- Portrait of Christoph I. zu
- Fireplace in garden hall
- Chair

Modify Polygons



Layer Properties

Properties

Link Target

Link not present.
Drag an element here to link it with the layer.

Colour

Custom...

Place colour in library

Transparency

47 %

Metadata

Language: English

Title

Portrait of Christoph I. zu Dohna-Schlodien (Schlodien version)

Annotation

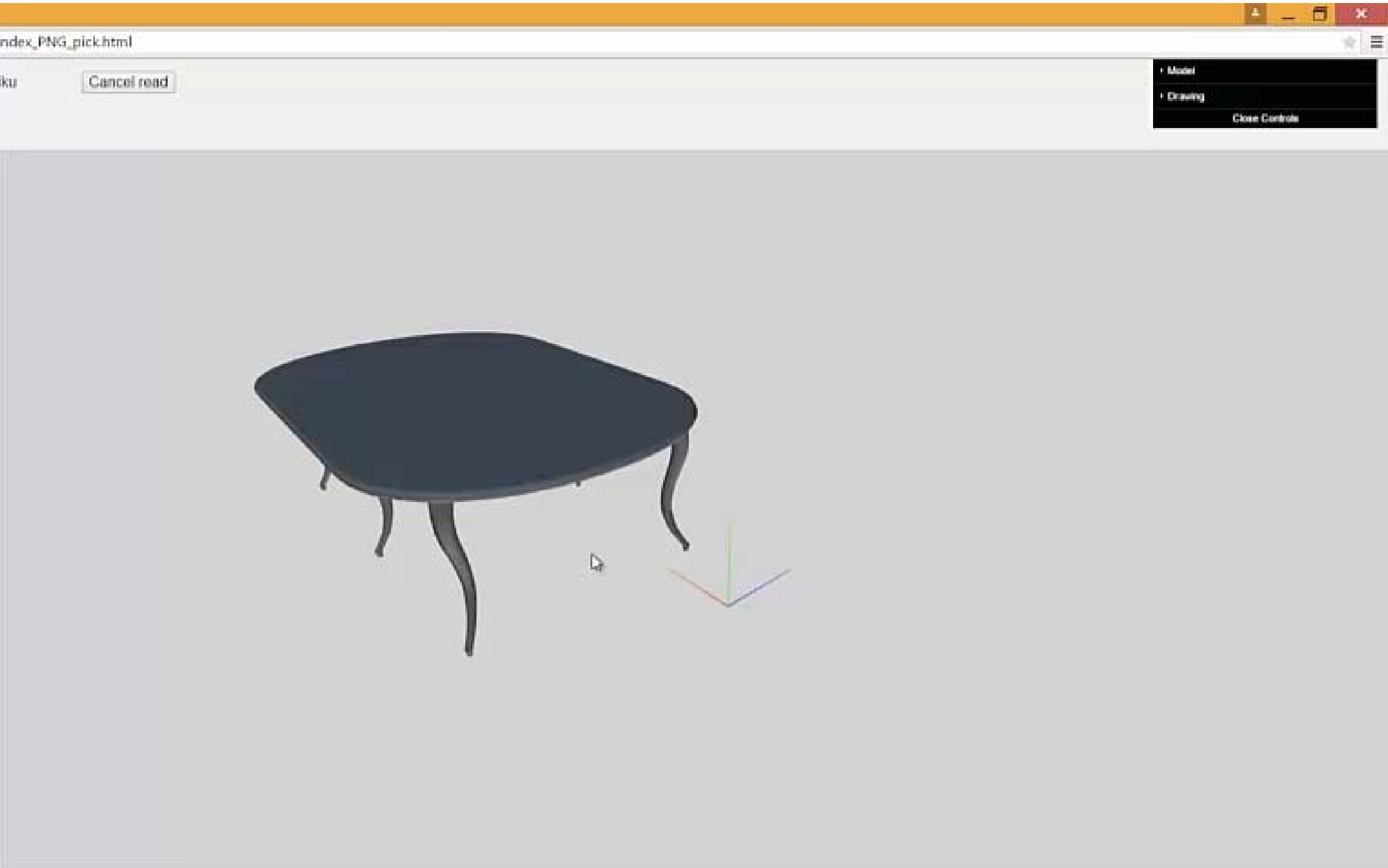
```
<a href="http://www.patrimonium.net/content/herder_H5_Material_of_Christoph_I._zu_Dohna-Schlodien_(Schlodien_version)">
```

Zoom: 58 %

Changed: 4 hours ago

PATRIMONIUM TOOLS TO BE IMPLEMENTED

3D SEMANTIC ANNOTATION



ENHANCEMENT OF THE PARADATA ACTIVITY RECORD

CIDOC CRMInf
documents
inference chains
and dead ends

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Leibniz Association Project Tasks Logout
Create Navigate Find

CARN: 3D Reconstruction of the garden hall's fireplace

View Create and Link Text Delete Edit Form Graph IIP Merge Network Paths Triples XML Devel

Activity Protocol:
Anfangsszene: fireplace_LoD4_01.mb
Endsszene: fireplace_LoD6_final.mb

-Grundlagen
Bilddaten:
Hauptverzeichnis:
./data - not - public/HISTORICAL/2_SCHLODIEN/
Grundriss:
- I_Palac_Parter_NOWA_Numeracja_180.tif
Wandabwicklung:
- Sala_002_R-011_Kominek-i-sciana
Fotografie:
- Sala_002_R-011_K-027_Kominek-i-sciana
- Raum_002_Fliesensaal_0_N-Ecke_1945vor.jpg
- Raum_002_Fliesensaal_1_N-Ecke_1945vor.jpg
- Raum_002_Fliesensaal_2_N-Ecke_1945vor.jpg
- Raum_002_Fliesensaal_3_N-Ecke_1975vor.jpg
- Raum_002_Fliesensaal_6_NW-Wand_1933.jpg
- Raum_002_Fliesensaal_7_NW-Wand_1933.jpg
- Raum_002_Fliesensaal_8_NW-Wand.jpg
- Raum_002_Fliesensaal_9_NE_Wand.jpg
- 002_4_Fliesensaal (NW-Wand).pdf
- ELBLAG_ARCHIWUM_WOSOZ_E_2011_fot_P_Jamski-14.jpg
- ELBLAG_ARCHIWUM_WOSOZ_E_2011_fot_P_Jamski-15.jpg
- ELBLAG_ARCHIWUM_WOSOZ_E_2011_fot_P_Jamski-16.jpg
- ELBLAG_ARCHIWUM_WOSOZ_E_2011_fot_P_Jamski-17.jpg
- Grundlagenentscheidung:
Der Kamin kann maßlich aufgrund der Bauaufnahme von Marzyński im LoD 4 beschrieben werden. Da zum Zeitpunkt der Bauaufnahme der untere Teil der Kaminfront schon weggebrochen war, lassen sich keine Maße für das Feld mit der Inschrift rekonstruieren. Einziger Anhaltspunkt für die proportionale Gliederung des Kamins sind daher die Fotografien.
Die Bauaufnahme enthält die wesentlichen Profile der Kamingesimse, die Rocaille-Elemente sind aber nicht vollständig dargestellt. Sie sind nur unscharf in den Fotografien zu erkennen. Entsprechend kann bei den Rocaille-Elementen nur die Grundform anhand der Fotografien abgebildet werden. Zur genauen Profilierung dieser Elemente gibt es keine Unterlagen.
[Goto] [Edit]

Event/Activity (Ereignis/Aktivität)
Topic
Schlodien
Type
Computer Aided Reconstruction
Title
3D Rekonstruktion vom Kamin im Fliesensaal
Language
DE
Title
3D Reconstruction of the garden hall's fireplace
Language
EN
Source Used
Northwest Wall of the garden hall (ill. 11)
NW Wall Red Hall, NW Wall Garden Hall, NE Wall Garden Hall after 1986
NW Wall Red Hall, NW Wall Garden Hall, NE Wall Garden Hall after 1986
NE Wall Garden Hall with Rocaille, after 1986
NW Wall Garden Hall, NW Wall Red hall, NE Wall Garden Hall after 1986
3D Model Created Representing Object
Fireplace in garden hall
3D Model Created Variation Number
A
3D Model Created Version Number
1
Is Part of Event
3D Reconstruction of Schlodien manor house
3D Reconstruction of garden hall
3D Reconstruction of northwest wall of garden hall
Actor
Jocachim Backes
Participant
Oliver Hauck
Software
Maya 2015
Image Link
http://www.patrimonium.net/sites/default/files/Bildschirmfoto_2014-08-13_um_11.09.02.png
http://www.patrimonium.net/sites/default/files/doku_20140517_drawing_0_1.png
http://www.patrimonium.net/sites/default/files/A_Model_of_Fireplace_in_the_garden_hall.png

Images
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Nomenclature for Schlodien
Semantic LoD
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Online users
Piotr Kuroczyński
Development
Devel settings
Empty cache
Execute PHP Code
Function reference
Hook_elements()
PHPinfo()
Rebuild menus
Reinstall modules
Run cron
Session viewer
Theme registry
Variable editor



WissKI SOUR
semantic
Level of Detail



SCOTCH
Alpha, Gamma, etc.

herder_H6_CHML_Typea40 x

www.patrimonium.net/content/herder_H6_CHML_Typea40c65f9-05b7-4d14-ad4f-866740c09427

Content management Site building Site configuration User management Reports Help 0 / 1 Log out Piotr Kuroczyński

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Digital 3D Reconstruction in Virtual Research Environments

MANH - Manor House

View Delete Edit Form Graph iip Merge Network Paths References Triples XML Devel

▼ **CHML Type**
ID
MANH

▼ **Title set**
Title
Manor House
Title Language
EN
Source
https://en.wikipedia.org/wiki/Manor_house

▼ **Title set**
Title
Herrenhaus
Title Language
DE
Source
[https://de.wikipedia.org/wiki/Herrenhaus_\(Gebäude\)](https://de.wikipedia.org/wiki/Herrenhaus_(Gebäude))

▼ **Title set**
Title
300005579
Title Language
DE
Source
Getty AAT
Art & Architecture Thesaurus® Online

Description (EN)
Lord of the manor's house.

Broader Terms
BLDG
organisational

Vocabulary information

Vocabulary:
Getty AAT

Label:
manor houses

Alternate Label:
manor house
houses, manor
manoirs
manors
莊園宅邸
zhuāng yuán zhái dǐ
zhuang yuan zhai di
chuang yuán chai ti
landhuizen
landhuis
stinsen
stins
spijker
borgen
borg
spijkers
casas solariegas
casa solariega

Description:
Mansions belonging to, or used by, the lord of a manor.

Broader entries:
rural houses | <houses by location: settlement area> | <houses by location or context> | houses | dwellings

URIs:
<http://vocab.getty.edu/aat/300005579>

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- [Hook_elements\(\)](#)
- [PHPinfo\(\)](#)
- [Rebuild menus](#)
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- [Run cron](#)

Last updated on Mon, 03/02/2015 - 18:07.
Originally submitted by [Torsten Veit](#) on 10/27/2014 - 08:22.

herder_H6_CHML_Typea40 x

www.patrimonium.net/node/8614/tedit

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MANH - Manor House

View Delete Edit Graph iip Merge Network Paths References Triples XML Devel

Save Preview Delete

▼ CHML Type

ID: * ? MANH

▼ Title set

Title: Manor House

Title Language: EN

Source: https://en.wikipedia.org/wiki/Manor_house

Web Source:

▼ Title set

Title: Herrenhaus

Title Language: DE

Source: https://de.wikipedia.org/wiki/Herrenhaus_(Gebäude)

Web Source:

▼ Title set

Title: 300005579

Title Language: DE

Source: Getty AAT

Source: Art & Architecture Thesaurus® Online

Web Source:

Description (EN): Lord of the manor's house.

Broader Terms: ? BLDG

Broader Terms: ? organisational

Vocabulary information

Vocabulary:
Getty AAT

Label:
manor houses

Alternate Label:
manor house
houses, manor
manoirs
manors
莊園宅邸
zhuāng yuán zhái dǐ
zhuang yuan zhai di
chuang yuan chai ti
landhuizen
landhuis
stinsen
stins
spijker
borgen
borg
spijkers
casas solariegas
casa solariega

Description:
Mansions belonging to, or used by, the lord of a manor.

Broader entries:
rural houses | <houses by location: settlement area> | <houses by location or context> | houses | dwellings

URIs:
http://vocab.getty.edu/aat/300005579

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- Nomenclature for Friedrichstein
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herder_H5_Materielles_Obj x

www.patrimonium.net/content/herder_H5_Materielles_Objektaeb94a7-0a4b-0834-a644-6bc603e61c2b

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Digital 3D Reconstruction in Virtual Research Environments

MANH: Schlodien Manor House

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Object Description:

Schloß Schlodien (Herrenhaus Schlodien)

Schloß Schlodien, das dem Stand des Bauherrn entsprechend korrekt als Herrenhaus zu bezeichnen ist, wurde in den Jahren 1701 bis 1704 nach Plänen des Architekten **Jean de Bodt** durch den Baumeister **Johann Caspar Hindersin** errichtet. Dabei könnte ein älterer schlichter Vorgängerbau in den Bau integriert worden sein. Diese Vermutung wäre durch bauhistorische Untersuchungen zu verifizieren. Bauherr war Christoph zu Dohna (**Christoph I. zu Dohna Schlodien**, 1665–1733), der Begründer der Linie Dohna-Schlodien und des Schlodier Majorats. Im nahegelegenen **Schlobitten** positionierte sich der Bruder **Alexander zu Dohna** (-Schlobitten) durch den weitgehenden Neu- und Umbau des dortigen Schlosses als ambitionierter Bauherr. Die Brüder-Schlösser in Schlodien und Schlobitten gehören zu den bedeutendsten ostpreußischen Barockbauten und den angeblich auf Veranlassung König Friedrichs I. von Preußen initiierten neuen Schlössern des königstreuen Adels in Preußen, die der architektonischen „Aufwertung“ der nun königlichen Region dienen sollten.

Das Schloß in Schlodien entstand nach holländisch-englischen Vorbildern, die wohl nicht zuletzt auf die Lebenswege des Bauherrn und des entwerfenden Architekten zurückzuführen sind. Zur Anlage des Schlosses gehörten zum Teil symmetrisch angeordnete Nebengebäude, von denen das rechts der Eingangsseite geplante Pendant des Küchengebäudes jedoch nicht ausgeführt wurde.

Das **Hauptgebäude** (Corps de logis) ist ein Bau auf **H-förmigen Grundriß** von 13 zu 5 Achsen. Die Längsfronten sind durch dreiachsige, eine Fensterachse breit vorspringende Seitenrisalite und nur leicht vortretende dreiachsige Mittelrisalite gegliedert. Die in der Literatur geäußerte Vermutung, das Haus sein ursprünglich backsteinsichtig gewesen, läßt sich durch Befunde an der Südostfassade untermauern. Unter dem später angebrachten gelben Putz sind hier deutlich Reste einer über den Fugenstrich laufenden Rötelung zu erkennen, die ursprünglich die backsteinsichtigen Fassaden vereinheitlichte und auch an anderen vergleichbaren Häusern unter holländischem Einfluß zu finden ist (z.B. **Schloß Bothmer** in Mecklenburg, 1726–32). Für diese Art der Fassadengestaltung sind hell abgesetzte vorspringende Fassadendetails, wie Pilaster, Lisenen, Verdachungen, Giebeldreiecke, Kapitelle etc., typisch und werden so auch in Schlodien gehalten gewesen sein.

In die gerötelte Fassadenfassung sind Kerben zum besseren Verbund des jüngeren Putzes eingehackt worden (vgl. Fotos **CN IMG_1270** und **CN IMG_1299**). Die **ursprüngliche rote Fassadenfassung**, die an allen Gebäude des Schloßkomplexes zu vermuten ist, blieb bis zum Abriß am **Küchengebäude** erhalten (vgl. **Scans Dreischhoff 2Charge_0003 Nr. 9**), das nicht an die neue Fassung des Hauptgebäudes angeglichen wurde (siehe auch **Foelsch Abb. 238**).

Die **spätere gelbe Putzfassade** ist erstmals(?) mit der Darstellung des Schlosses auf dem Porträt Carl Florus' zu Dohna aus dem **Allensteiner Museum** (Inv. **MNO 301 OMO**) belegt (vgl. **Foelsch Abb. 112** und **238**).

An der Vorfahrtsseite des Schlosses sind Reste von aufgemalten Fenstern erhalten (vgl. Fotos **CN**

Object (Objekt)

Topic
Schlodien

Type
Manor House

Title set

Title
Schlodien Manor House

Language
EN

Title set

Title
Herrenhaus Schlodien

Language
DE

Creation of the Object


Creation Earliest Date
1701

Is Part Of
Manor Schlodien




Object Has Parts
Main Building of Schlodien Manor House
kitchen house
Chinese teahouse
Red Hall
"woodchopper house"
gardener's house

Is Shown by
Park plan (Laraß) with ground floor plan of kitchen house (Kattwinkel)
Drawing of Schlodien
Schlodien Manor (ill. 1)
Manor house Schlodien about 1930
cadastral map of Schlodien, 1845
Kitchen House #003

Images



Linked Images:

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herder_H5_Materielles_Obj x

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Digital 3D Reconstruction in Virtual Research Environments

MANH: Schlodien Manor House

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Object Description:

Schloß Schlodien (Herrenhaus Schlodien)

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www.patrimonium.net/content/herder_H6_CHML_Typea40c65f9-05b7-4d14-ad4f-866740c09 erhalten (vgl. Fotos **CN**

ad4f-866740c09427

Vocabulary:
Getty AAT, CHML Types

Label:
manor houses (Getty AAT)
MANH (CHML Types)

Alternate Label:
manor house (Getty AAT)
houses, manor (Getty AAT)
manoirs (Getty AAT)
manors (Getty AAT)
莊園宅邸 (Getty AAT)
zhuāng yuán zhái dǐ (Getty AAT)
zhuang yuan zhai di (Getty AAT)
chuang yuán chai ti (Getty AAT)
landhuizen (Getty AAT)
landhuis (Getty AAT)
stinsen (Getty AAT)
stins (Getty AAT)
spijker (Getty AAT)
borgen (Getty AAT)
borg (Getty AAT)
spijkers (Getty AAT)
casas solariegas (Getty AAT)
casa solariega (Getty AAT)
Manor House (CHML Types, CHML Types)

Description:
Mansions belonging to, or used by, the lord of a manor. (Getty AAT)
Lord of the manor's house. (CHML Types)

Broader entries:
rural houses | <houses by location: settlement area> | <houses by location or context> | houses | dwellings (Getty AAT)
BLDG | organisational (CHML Types)

Object (Object)
Topic
Schlodien
Type
Manor House

Title set
Title
Schlodien Ma
Language
EN

Title set
Title
Herrenhaus S
Language
DE

Creation of
Creation Earli
1701

Is Part Of
Manor Schlodier

Object Has Parts
Main Building of Schlodien Manor House
kitchen house
Chinese teahouse
Red Hall
"woodchopper house"
gardener's house

Is Shown by
Park plan (Laraß) with ground floor plan of kitchen house (Kattwinkel)
Drawing of Schlodien Schlodien Manor (ill. 1)
Manor house Schlodien about 1930
cadastral map of Schlodien, 1845
Kitchen House #003

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- Reinstall modules
- Run cron

herder_H14_Natuerliche_P x

www.patrimonium.net/content/herder_H14_Natuerliche_Person562e31c1-0432-7344-9d78-8e0cb53fd06e

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Digital 3D Reconstruction in Virtual Research Environments

Antoine Pesne

View Create and Link Text Delete Edit Form Graph iip Merge Network Paths References Triples XML Devel

▼ **Natural Actor (Natürliche Person)**
 Topic
Schlodien
 Type
Painter

▼ **Name**
 Complete Name
Antoine Pesne

▼ **Identifier set**
 Identifier
500003171
 Source
Getty ULAN

▼ **Identifier set**
 Identifier
118592904
 Source
GND (German National Library)


▼ **Identifier set**
 Identifier
sfz94758
 Source
German Biography

Gender
male
 Wikipedia
https://de.wikipedia.org/wiki/Antoine_Pesne

Birth Date
29.05.1683
 Place of Birth
Paris

Death Date
05.08.1757
 Place of Death

Images



Vocabulary information

Vocabulary:
Getty ULAN

Label:
Pesne, Antoine

Alternate Label:
Antoine Pesne

Type:
artist
painter
portraitist
court artist in Prussia, from 1711

Nationality:
French
German

Gender:
male

Search

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Development

- Devel settings
- Empty cache
- Execute PHP Code
- Function reference
- Hook_elements()
- PHPinfo()
- Rebuild menus
- Reinstall modules
- Run cron

herder_H14_Natuerliche_P x

www.patrimonium.net/content/herder_H14_Natuerliche_Person562e31c1-0432-7344-9d78-8e0cb53fd06e

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Patrimonium.net

Digital 3D Reconstruction in Virtual Research Environments

Antoine Pesne

View Create and Link Text Delete Edit Form Graph iip Merge Network Paths References Triples XML Devel

Vocabulary:
Getty AAT, CHML Types

Label:
painters (Getty AAT)
PNTR (CHML Types)

Alternate Label:
painter (Getty AAT)
painter's (Getty AAT)
painters' (Getty AAT)
畫家 (Getty AAT)
畫師 (Getty AAT)
huà jiā (Getty AAT)
hua jia (Getty AAT)
hua chia (Getty AAT)
kunstschilders (Getty AAT)
kunstschilder (Getty AAT)
schilder (Getty AAT)
schilders (Getty AAT)
pintores (Getty AAT)
pintor (Getty AAT)
Painter (CHML Types)

Description:
People who practice the art of painting, which is applying pigments suspended in liquid to a surface to create an expressive or communicative image. For people who apply paint primarily to protect or give simple color to a surface, use "painters (tradespeople)." (Getty AAT)

Broader entries:
<artists by medium or work type> | artists (visual artists) | <people in the visual arts> | <people in the visual arts and related occupations> | <people in the arts> (Getty AAT)
personal (CHML Types)

Gender:
male

Wikipedia:
https://de.wikipedia.org/wiki/Antoine_Pesne

Birth Date:
29.05.1683

Place of Birth:
Paris

Death Date:
05.08.1757

Place of Death:

Pesne, Antoine

Alternate Label:
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artist
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- Semantic LoD

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www.patrimonium.net/content/herder_H6_CHML_Type657d16ec-2df9-3f24-ade1-45ebc3429

herder_H30_Geographic_P x

www.patrimonium.net/content/herder_H30_Geographic_Placef2890177-c256-90d4-9e9b-8886b2c4f27c

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Leibniz Association Project Tasks Logout

Create Navigate Find

Patrimonium.net

Digital 3D Reconstruction in Virtual Research Environments

Paris (Lutetia)

View Delete Edit Form Graph iip Merge Network Paths References Triples XML Devel

▼ Place (Ort)

Type
City

Main Place Name
Paris

Main Place Name Language
EN

Source
<http://en.wikipedia.org/wiki/Paris>

Place Name
Paryż

Source
<http://pl.wikipedia.org/wiki/Paryż>

Place Name
Париж

Place Name Language
RU

Source
<https://ru.wikipedia.org/wiki/Париж>

Place Name
7008038

Source
Getty Thesaurus of Geographic Names® Online

Historic Name
Lutetia

Historic Name Language
LA


Source
<http://la.wikipedia.org/wiki/Lutetia>

Place is Part of
Île-de-France

OSM Node ID
<https://www.openstreetmap.org/relation/7444>

Wikipedia Article
<http://en.wikipedia.org/wiki/Paris>

Images



Vocabulary information

Vocabulary:
Getty TGN

Label:
Paris

Alternate Label:
Paris
Parigi
Paris
parisien
parisienne
Parisian
Lutetia
Lutetia Parisii
Lutetia Parisiorum
Parisii
Parisius

Broader entries:
Île-de-France | France (nation) |

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- Nomenclature for Schlodien
- Semantic LoD

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- PHPinfo()
- Rebuild menus
- Reinstall modules
- Run cron

ecrm_E53_Place74567b8f- x

www.patrimonium.net/content/ecrm_E53_Place74567b8f-f205-5dc4-bafb-088e2fdcf17d

Content management Site building Site configuration User management Reports Help

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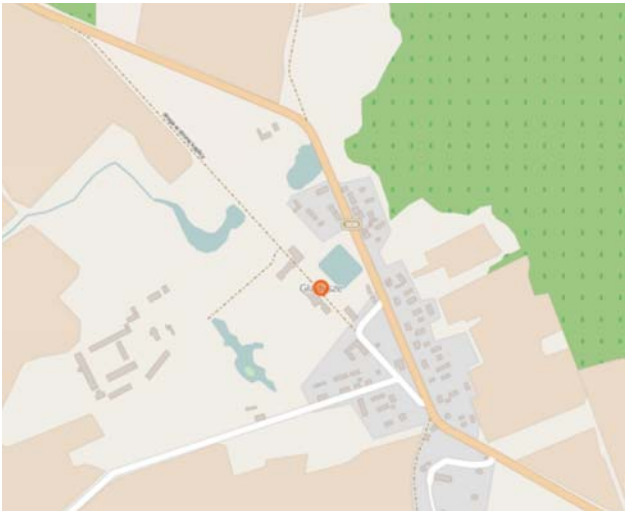
Create Navigate Find

Patrimonium.net

Digital 3D Reconstruction in Virtual Research Environments

Gładysze

View Delete Edit Form Graph iip Merge Network Paths References Triples XML Devel



Last updated on Tue, 03/03/2015 - 19:05.
Originally submitted by root on 07/14/2014 - 09:49.

[Add new comment](#)

▼ **Place (Ort)**

Main Place Name
Gładysze

Main Place Name Language
PL

Place Name
Schlodien

Place Name Language
DE

Place is Part of
gmina Wilczęta

OSM Node ID
<https://www.openstreetmap.org/node/31532228>

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- [Nomenclature for Schlodien](#)
- [Semantic LoD](#)

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- [Devel settings](#)
- [Empty cache](#)
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- [Function reference](#)
- [Hook_elements\(\)](#)
- [PHPinfo\(\)](#)
- [Rebuild menus](#)
- [Reinstall modules](#)
- [Run cron](#)

OpenStreetMap x

https://www.openstreetmap.org/edit?node=31532228#map=17/54.15662/19.92086

Möchten Sie, dass Ihr Passwort von Google Chrome gespeichert wird? Für diese Website niemals Passwort speichern

OpenStreetMap Bearbeiten Chronik Export

GPS-Tracks Benutzer-Blogs Urheberrecht Hilfe Über Piotr Kuroczyński

Objekt bearbeiten

Punkt Linie Fläche Speichern

Ruine

Name: ruiny pałacu w Gładyszach

Mehrsprachiger Name: Deutsch, Ruine Schloss Schlodien

Quelle: bing

Feld hinzufügen: Adresse, Höhe über dem ...

Alle Eigenschaften (5)

building	yes		
historic	ruins		
name	ruiny pałacu w Gla...		
name:de	Ruine Schloss Schl...		
source	bing		

Alle Relationen (0)

bing © 2015 DigitalGlobe, © 2015 GeoEye, © 2015 Microsoft Corporation

100 m

Bearbeitet von rosomak, arco, arturp, und 8 anderen 1.7.2

Auf openstreetmap.org ansehen

CONTROLLED VOCABULARIES AND THESAURI TO BE LINKED



The Art & Architecture Thesaurus (AAT)®

Catherine wheel or rose window? AAT is a structured vocabulary, including terms, descriptions, and other information for generic concepts related to art, architecture, conservation, archaeology, and other cultural heritage.



The Cultural Objects Name Authority (CONA)®

Mona Lisa or La Gioconda? CONA compiles titles, attributions, depicted subjects, and other metadata about works of art, architecture, and other cultural heritage, both extant and historical, linked to museum collections, special collections, archives, libraries, scholarly research, and other resources. CONA is linked to the AAT, TGN, and ULAN.



The Getty Thesaurus of Geographic Names (TGN)®

London or Londinium? TGN is a structured vocabulary, including names, descriptions, and other information for current and historical administrative places and physical features important to art and architecture.



The Union List of Artist Names (ULAN)®

Titian or Tiziano Vecellio? ULAN is a structured vocabulary, including names, biographies, related people, and other information about artists, architects, firms, studios, museums, patrons, sitters, and other people and groups involved in the creation and study of art and architecture.



GeoNames

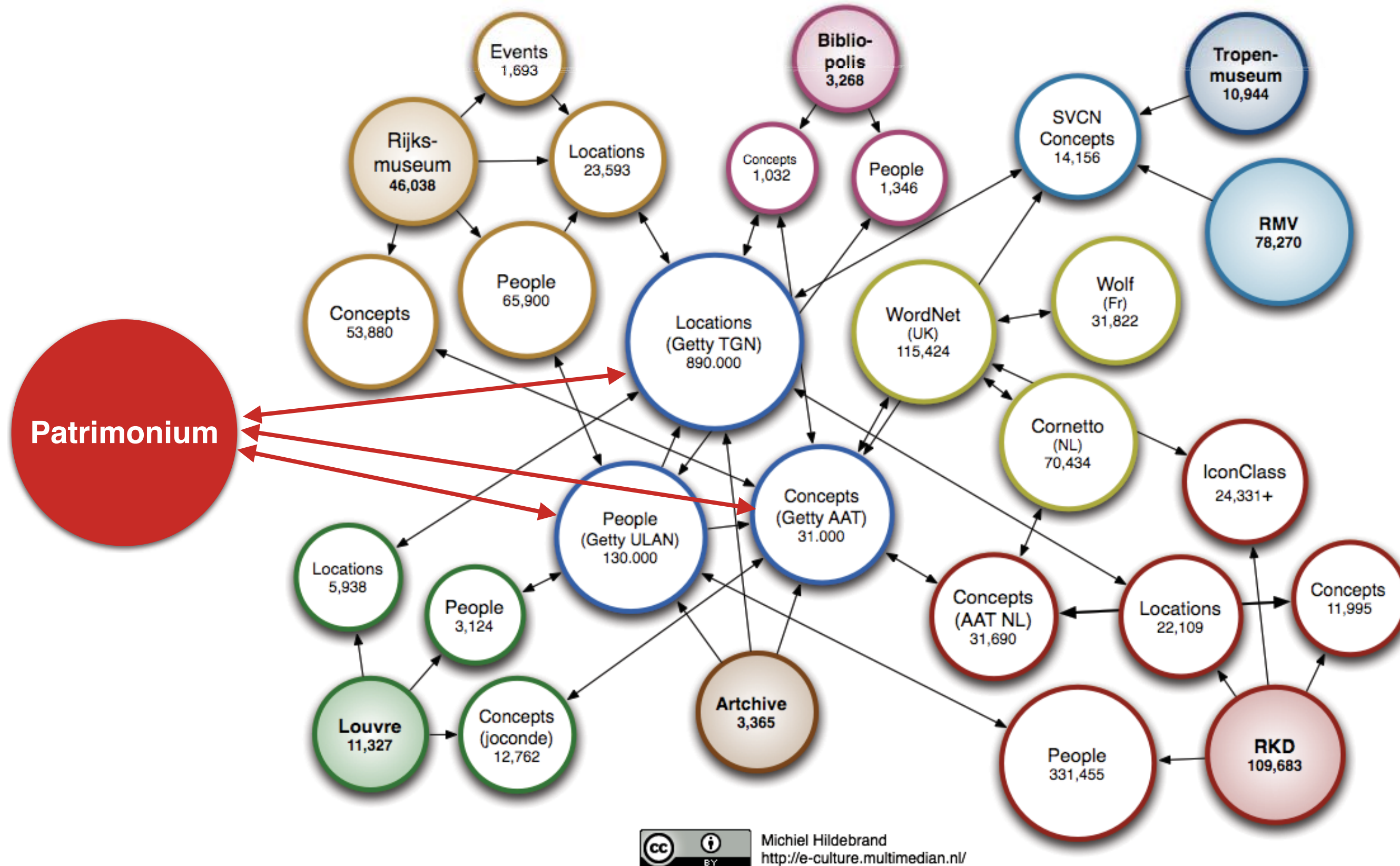
The GeoNames geographical database covers all countries and contains over eight million placenames that are available for download free of charge.



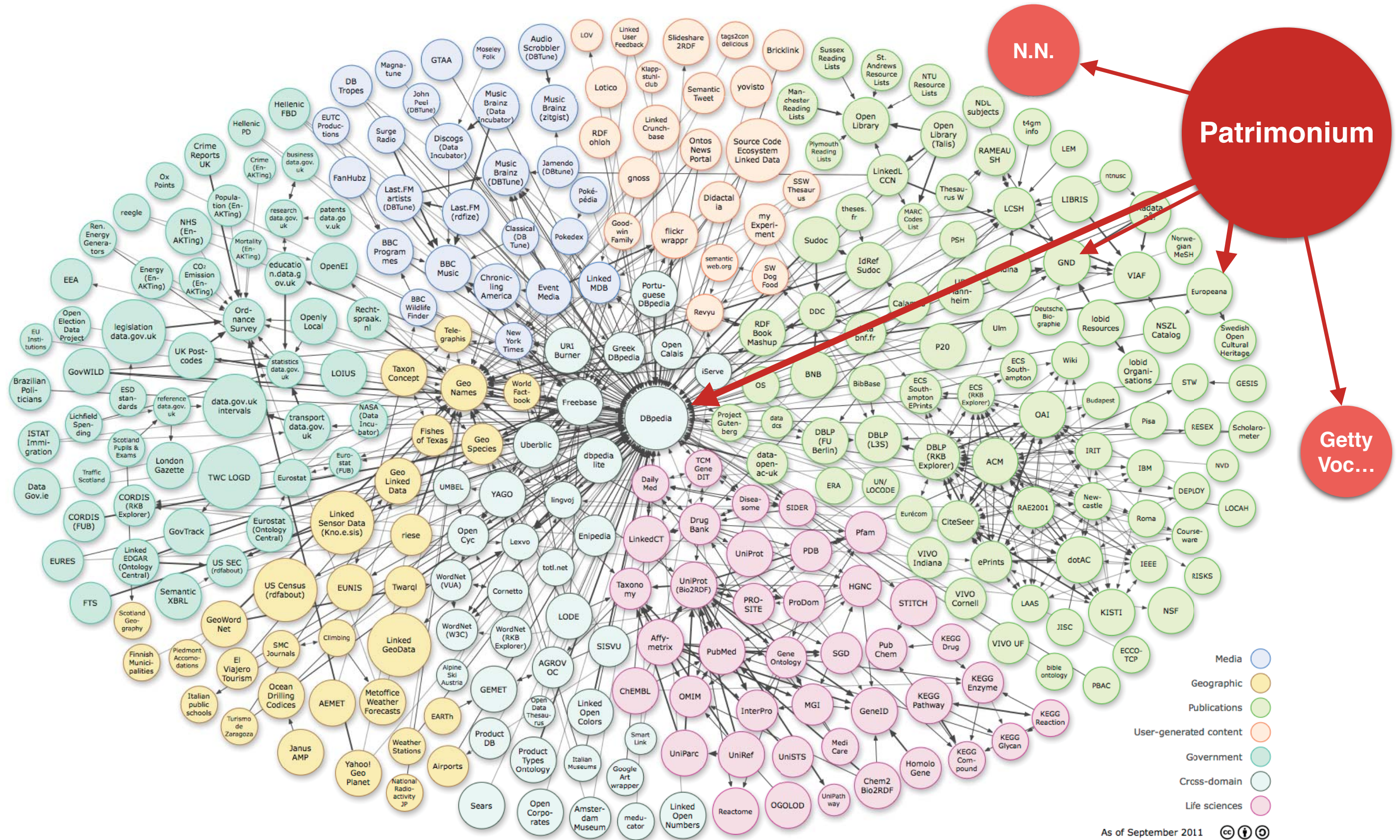
http://www.historiasztuki.uni.wroc.pl/tezaurus/prezentacja_tezaurus.html

CONTROLLED VOCABULARIES AND THESAURI

CULTURAL HERITAGE



LINKED OPEN DATA CLOUD DIAGRAM (2011)

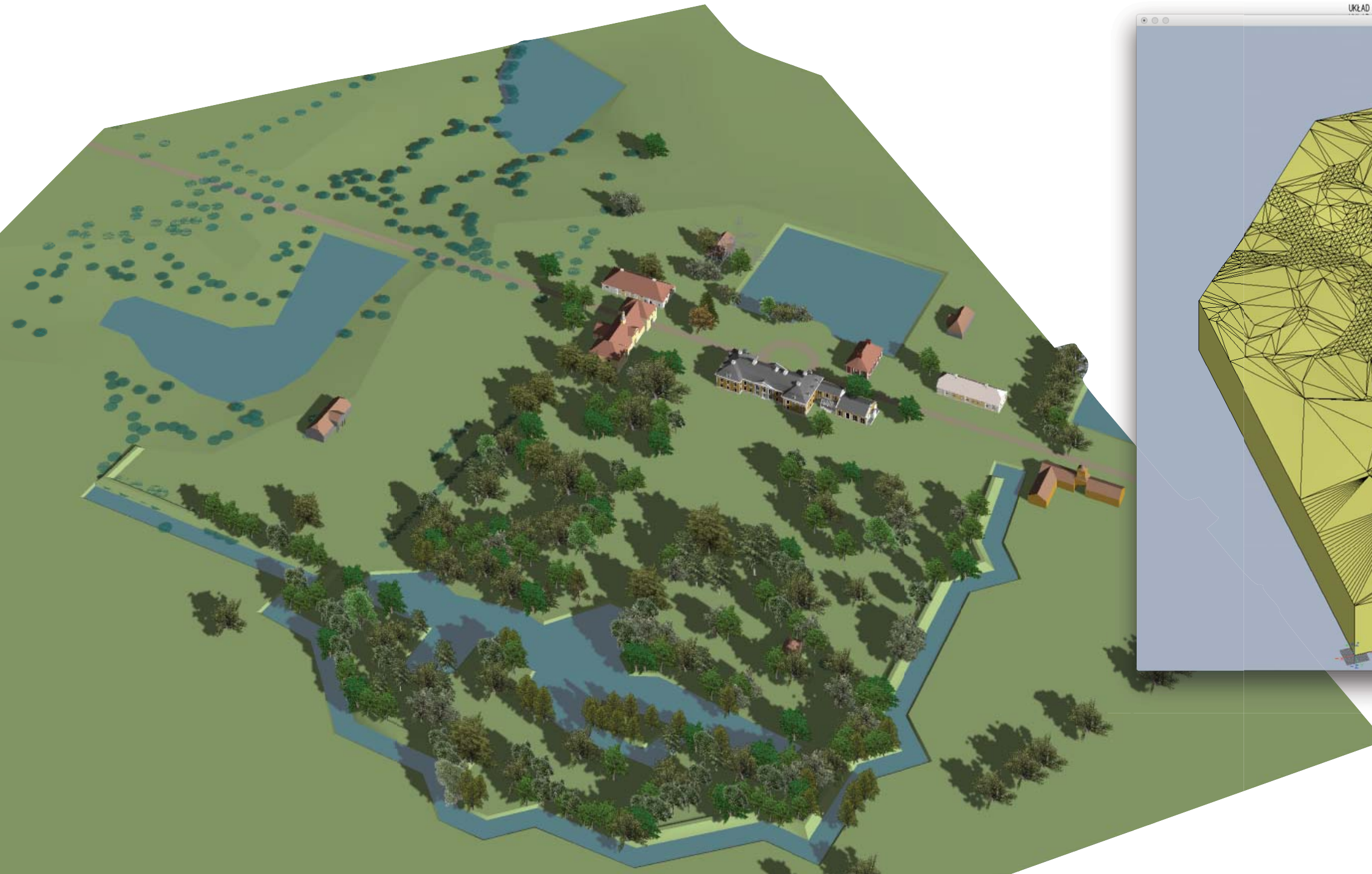


PARKLANDSCHAFT

DOKUMENTATION 1985 A. KWAŚNICA / 2005 D. SZCZYPAŃSKA; M. SUCHOCKA



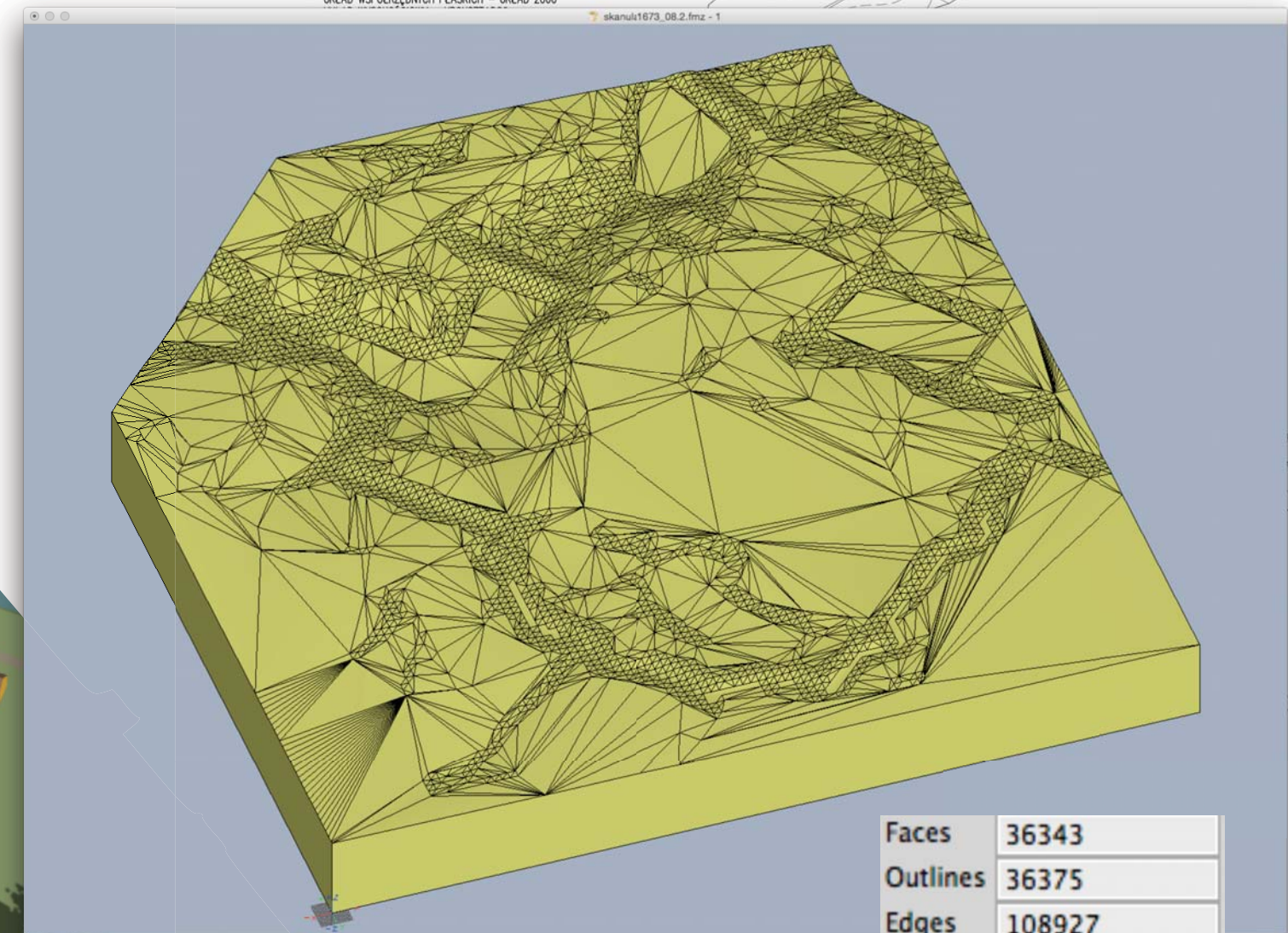
PARKLANDSCHAFT 3D REKONSTRUKTION



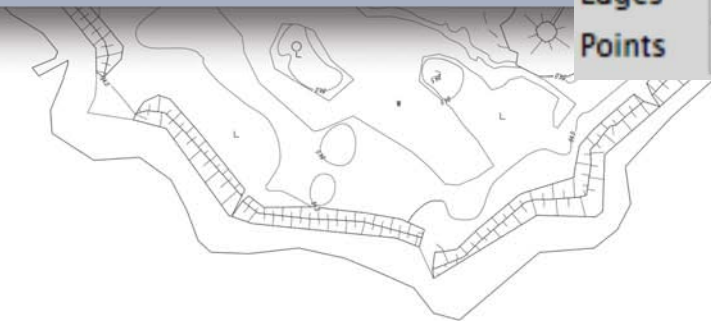
MAPA SYTUACYJNO-WYSKOŚCIOWA ZAŁOŻENIE PAŁACOWO PARKOWE W GŁADYSZACH

KOŁO NAUKOWE GEODETÓW SCITUS
NA PODSTAWIE TOMARU WŁASNEGO WIKONALI:
MARCIN KARDASZ
KAROLINA MISZKIEL

UKŁAD WSPÓRZĘDNYCH PŁASKICH – UKŁAD 2000



Faces	36343
Outlines	36375
Edges	108927
Points	72618



PARKLANDSCHAFT

DOKUMENTATION VIA UNBEMANNTES LUFTFAHRZEUG, APRIL 2014



PARKLANDSCHAFT STRUCTURE FROM MOTION, 2015



DIGITAL HYPOTHETICAL 3D RECONSTRUCTION OF CULTURAL HERITAGE DOCUMENTATION AND VISUALISATION OF NOT EXISTING (LOST) OBJECTS

