

```
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Archiving Ancient Roman Rural Settlements

in Practice

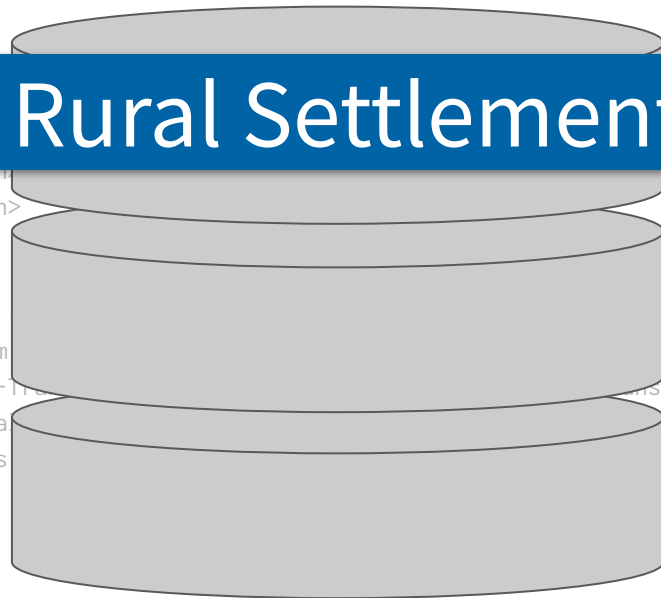
Experiences

Challenges

Outlooks

Dominik Hagmann

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<ns7:description language="en">  
  Table structure: - 1st column: Field  
  den_pot: pottery find density per sqm  
  North-West-Transect - SW: South-West-Transect - S:  
  South-Transect - ASI1: Area of Special Interest 1 -- 84 data rows  
  of Special Interest 3 -- 84 data rows  
</ns7:description>  
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<ns1:organization>  
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  <ns8:orgassignment>  
    <ns8:faculty>A40</ns8:faculty>  
    <ns8:department>A406</ns8:department>  
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</ns1:organization>  
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```



University of Vienna
Phaidracon | Technical Sessions
2020, 20TH Nov

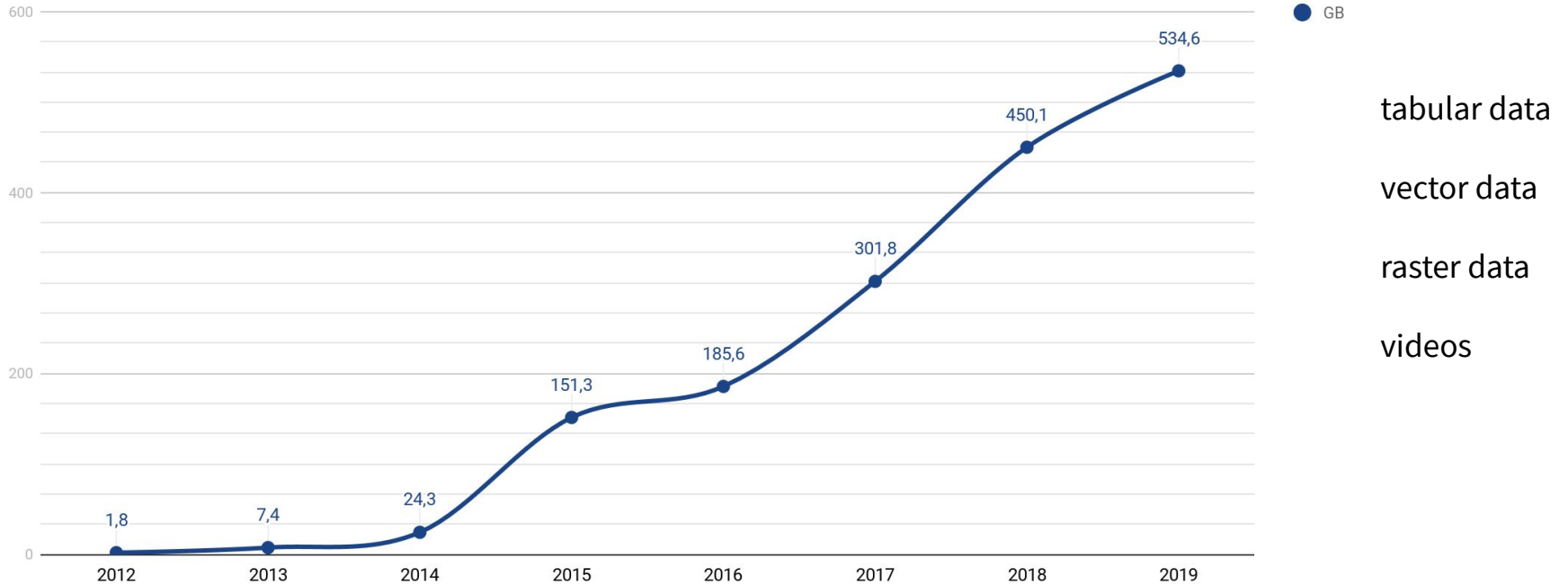
#digitalarchaeology

*“Evidence of the reality of digital archeology
is all around us (...)”*

Costopoulos 2016

- data collection and curation
- analysis
- visualization
- distribution with public outreach and participation

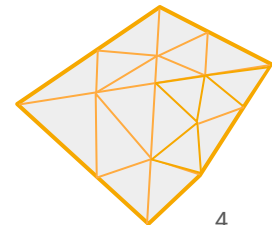
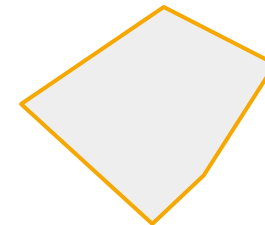
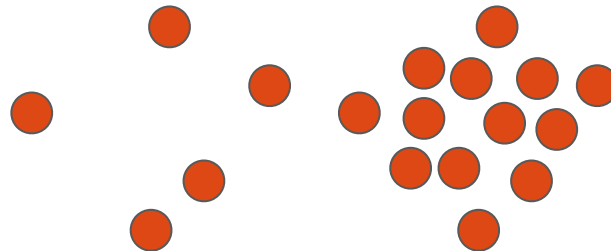
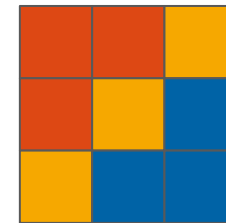
raw data Molino San Vincenzo (2012–2019 | lossless compressed/stored on server)



Data types

- structured tables
- raster images and vector graphics
- points/point clouds and polygons/meshes
 - 3d-models
- videos
- ...

ID	ITEM	COUNT	PERIOD
4	pot	20	roman
5	bowl	7	modern
6	tile	4	islamic



Further aspects of digital data

- electronic publishing
- (interactive) displaying of pictures and maps online
- electronic publishing (nevertheless, paper is just a thing!)
 - papers
 - book chapters
 - datasets
 - ...
- streaming of videos and 3d-models
- ...

...and this is where Phaidra comes to play...

- **permanent archiving of all kinds of data**
- every object gets a permanent digital signature, e.g. permalink and DOI if needed
- objects can be described in multiple languages, e.g. German, Italian and English
- **metadata**
 - the object life cycle
 - technical information about the object
 - rights and licenses
 - classification systems
 - contextual information
 - ...

seamless website integration for search and download

universität
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▶ Roman Rural Landscapes

Home | Forschung | **Publikationen** | Open Science | Aktuelles | Über uns

Sie sind hier: > Universität Wien > Historisch-Kulturwissenschaftliche Fakultät > Institut für Klassische Archäologie > Roman Rural Landscapes > Publikationen > Langzeitarchivierung

Langzeitarchivierung

Titel

o:1018704 Roman Rural Landscapes: research data
Details

Mitglieder dieser Collection (4)

- o:512230 Modeling Roman Rural Landscapes: Data
- o:528478 Molino San Vincenzo: Forschungsdaten
- o:966575 Roman Rural Landscapes in Noricum: Archäologische Untersuchungen zur römischen Besiedlung im Hinterland Nord-Noricums
- o:810220 Vienna Virginio Orme and Pesa Valley Project: datasets

Objekte durchsuchen ▼

Publikationen

- Vorträge
- Artikel und Beiträge
- Langzeitarchivierung**

Kontakt

Roman Rural Landscapes
c/o Institut für Klassische Archäologie
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1190 Wien
rrl.klass-arch@univie.ac.at

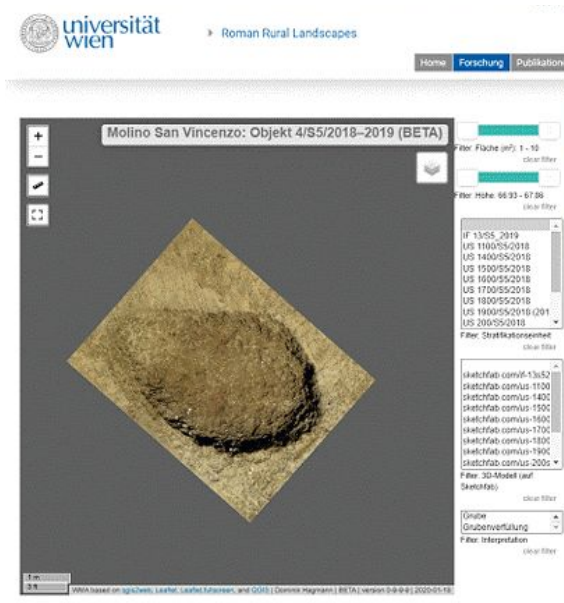
f t y i

Scientific SNS

RRL auf ResearchGate



compatibility with lightweight WMAs



Molino San Vincenzo: Objekt 4/S5/2018–2019 (BETA)

#MolinoSanVincenzo
 #ikavienna

Version
 1.1.0 (2020-01-19)

if 13/S5_2019
 US 1100/S5-2018
 US 1400/S5-2018
 US 1500/S5-2018
 US 1600/S5-2018
 US 1700/S5-2018
 US 1800/S5-2018
 US 1900/S5-2018 (201
 US 2000/S5-2018

Filer: 3D-Modell (auf Sketchfab)

Filer: Interpretation

Original: Grabungsverföpfung

Filer: Interpretation

WMA based on: sgiacchi, Leahrt, Laubert, Edzinger, and Gohl | Dominik Hagmann | BETA | version 0-0-0-0 | 2020-01-19

< Back to search results

Title (deu)
 US 13600/S2/2015/DSM: Betaversion

Author
 Dominik Hagmann

Description
 <<Betaversion>>
 Dieser Datensatz dient primär zur Ansicht und spiegelt nicht den letzt gültigen Bearbeitungsstand wider. Feedback bitte an <mailto:dominik.hagmann@univie.ac.at>
 <<Betaversion>>
 Digitales Oberflächenmodell/digital surface model (DOM/DSM) zu US 13600/S2/2015 vom archäologischen Fundplatz Molino San Vincenzo.
 Das DOM dokumentiert die Topographie innerhalb der als 3D-Polygon dokumentierten Grenzen der stratigrafischen Einheit. Die 3D-Polygone können unter phadra.univie.ac.at/o/528465 heruntergeladen werden.
 Projektträger: Institut für Klassische Archäologie, Universität Wien
 Projektleitung: Univ.-Prof. Dr. Günther Schöner, M.A.

Dateiformat:
 GeoTIFF-Datset: geotiff.maptools.org/spec/geotiffhome.html
 Koordinatensystem: EPSG 32632 WGS84 UTM 32 N phadra.univie.ac.at/o/528464

Object languages
 German
 English

Identifiers
<https://phadra.univie.ac.at/o/775606>
 Handle: 11353/10.775606

Owner
 Dominik Hagmann

Object type
 DATA (TIFF)

Version
 Version 1

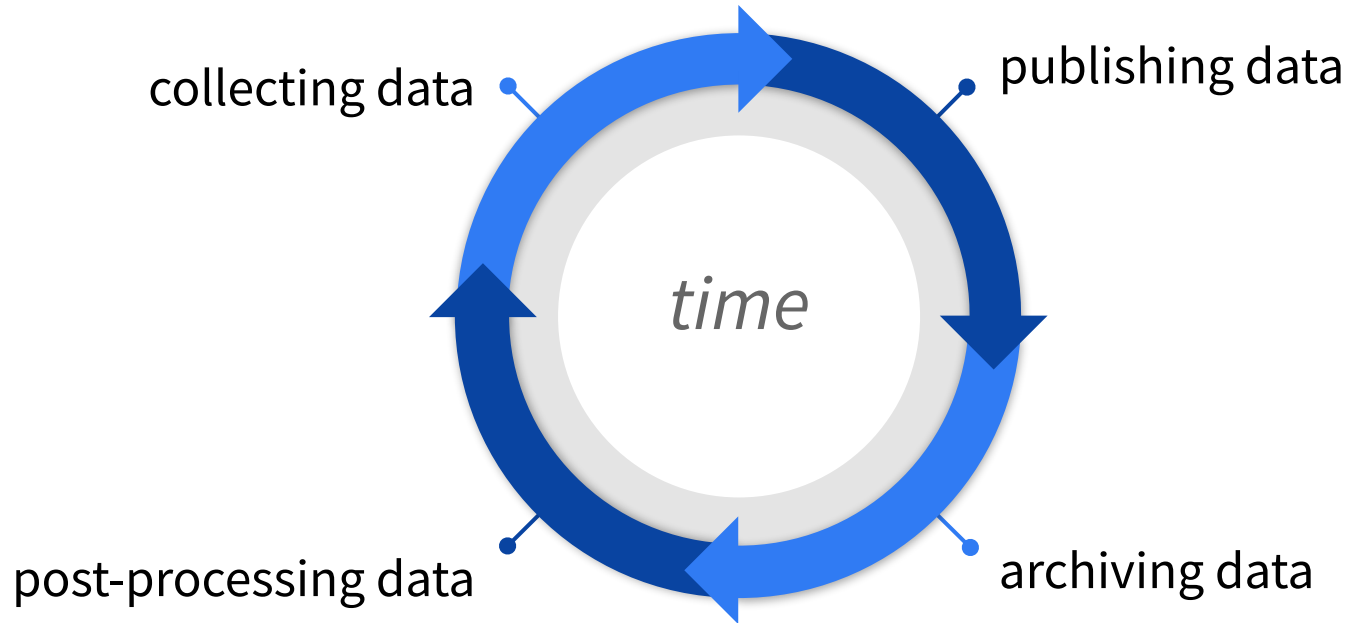
Detail page views
 4

Object links
 View in browser
 Download (3.84 MB)
 Dublin Core
 University of Vienna Metadata

[Show full metadata](#)

download link

Challenges



Conclusion and outlook

- Phaidra as secure and sustainable platform for long-term archiving of archaeological data
- Various possibilities of integrating Phaidra in digital archaeological practice
- Though, still, modifications are needed to support archaeologists' needs fully, like on-the-fly visualization of
 - 3d objects
 - spatial data

Thank you for your attention!

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Department of Evolutionary Anthropology (lecturer)

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