ARIADNEplus Workshop Report

47th Computer Applications and Quantitative Methods in Archaeology Annual Conference, Krakow : CHECK OBJECT INTEGRITY – Standard Session 22.

Workshop: Digital Infrastructures for Archaeology: Past, Present and Future directions
Wednesday 24th April, 2019.

Note: The page references are for the CAA 2019 Programme of Abstracts.

After and insightful Keynote address by John Bintliff, participants moved to a smaller room for the 'ARIADNEplus' session. [p. 10]

00 - Introduction : *Julian Richards*
Julian presented ARIADNE and ARIADNEplus in order to provide context and background for the session. [p. 158]

01 - Where is the data? : *Ulf Jakobsson*
Ulf presented the history of archaeology at the SND and the impact that becoming a member of ARIADNE had on building of their services and applications (new portal since 2017) based on the technology of ARIADNEportal (Elastisearch). [p. 160]

02 - My data manager is a robot! : *Valentijn Gilissen, Hella Hollander*
Valentijn presented DANS and its main services as well as e-Depot repository. Beyond that it was very useful to learn about archiving the data from the data manager perspective. [p. 160]

03 - The ARIADNE project at INRAP: inception, implementation and future : *Kai Salas Rossenbach, Amala Marx*
Kai presented INRAP, one of the biggest European institutions in charge of unmovable archaeological heritage. Although centralised, INRAP is so big that a lot of diversity in terms of standards and tools existed. Therefore, ARIADNE was very helpful for Kai, Amala and their co-workers to apply some of the ARIADNE's tools and approaches to INRAP. One of the top achievements of INRAP due to ARIADNE was 'changing the culture of sharing'. [p. 161]

04 - OpenArchaeo: an application to query archaeological data via CIDOC CRM : *Olivier Marlet, Xavier Rodier, Thomas Francart, Béatrice Markhoff*
Olivie presented OpenArchaeo, an application to query archaeological data via CIDOC CRM. This exciting tool allows to query both the MASA triplestore and other sources of archaeological data mapped with the CIDOC CRM and can be used by other interfaces such as the ARIADNE portal. [p. 161]

05 - Czech archaeology in the Digital Environment – Digitizing Archaeological Agenda in Theory and Practice : *Jan Hasil, David Novák*
Jan presented an insightful view in the process of digitising agenda in Czech archaeology. A cornerstone of this is the Archaeological Information System of the Czech Republic (AIS CR),

a national solution for research management, data gathering, curation and presentation. A key component AIS CR is the Archaeological Map of the Czech Republic (AMCR), operational since 2017. [p.162]

06 - ZBIVA web application : *Benjamin Štular*
Benjamin presented an archaeological database for eastern Alps and its surrounding regions in the early Middle Ages, ZBIVA. ZBIVA is based on Arches software platform, but more importantly, it is based on ARIADNE community from which it draw inspiration, advice, guidance and more. [p.162]

07 - Archaeological Map of Bulgaria in ARIADNE and ARIADNEplus : *Georgi Nekhrizov, Nadezhda Kecheva*

Nadezhda presented an incredible development of 'Archaeological map of Bulgaria' that took place since the ARIADNE started, e.g. mapping the data to a standardised vocabulary and the metadata to a standardised reference model, spatial location of archaeological sites, dataset publication and availability at an international level and overcoming fragmentation and isolation. [p.163]
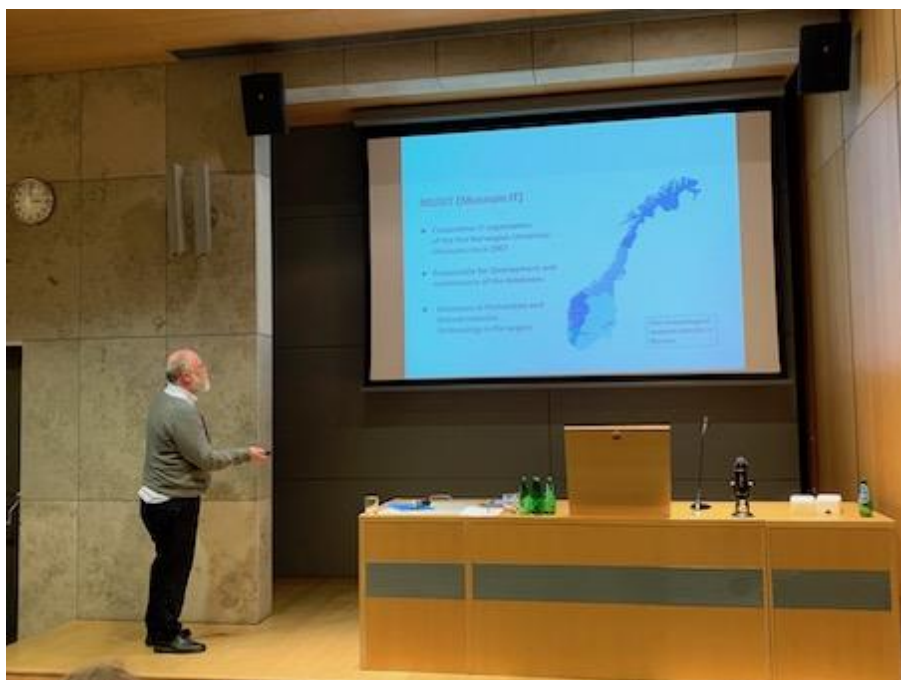

08 - 'A puzzle in 4D': using semantic technologies for the integration of resources from a long-term excavation project : *Edeltraud Aspoeck, Gerald Hiebel*
Edeltraud and Gerald first briefly presented long-term excavation project at Tell el-Daba in Egypt. It has been excavated for decades and it produced vast amount of data resources. The speakers focused on data integration from digitising through CIDOCifying (mapping data to CIDOC CRM) and finally to developing the technology stack for preservation and publication of this resource. [p.163]

09 - The Swedish Digital Archaeological Workflow in Action : *Marcus J. Smith*
Marcus talked about 'Digital Archaeological Workflow ' (DAP), a Swedish National Heritage
Board programme aimed at streamlining the work-flow of archaeological data in Sweden. In
the second part the original design of the programme was compared to what was
accomplished and how the goals changed because of these changes. An extremely useful
and honest insight into the reality of a large, nation wide programme. [p.164]

10 - The ADED project - a Norwegian infrastructure for excavation data : *Christian-Emil
Smith Ore, Espen Uleberg, Jakob Kile-Vesik*
In Norway 'Archaeological Digital Excavation Documentation' (ADED) was launched in 2018
with the objective to create a repository for data sets and establish the links between the

excavation data and museum collections. Espen spoke of how the programme came about and how it is being implemented from establishing core metadata and implementing repositories to creating open data webinterface. [p.164]

11 - Ísleif: a network-based approach to site survey : *Adolf Fridriksson, Gisli Palsson*
Gisli presented use of the Ariadne Reference Model to build connections between archaeological and historical data by Fornleifastofnun Íslands (Iceland) focusing on the steps necessary to build archaeo-historical connectivity using a mixture of current historical understandings of social formation, archaeological surveys, and spatial analysis. The definite highlight of the presentation was a very vivid description of Icelandic historic sources and how they connect to archaeology in a very unique way; just a reminder of how specific (and beautiful) Icelandic archaeology is. [p.165]

12 - ARIADNEplus for public/community archaeology : *Andres Dobat*
Andres talked about a task of ARIADNEplus to pave the way for an inclusion of members of
the general public making archaeological discoveries and to demonstrate the added value of
ARIADNEplus for non-professional archaeologists (ARIADNE's take on citizens science, so to
speak). The presentation focused on the newly launched Danish recording scheme for metal
detector finds DIME and related initiatives that already cooperate under the umbrella of the
European Public Finds Recording Network. [p.165]

13 - CENIEH: A relevant source of digital paleoanthropological datasets for ARIADNEplus :
Mohamed Sahnouni, Maria Isabel Sarro Moreno, Cecilia Calvo Simal
Maria Isabel presented National Research Center on Human Evolution (CENIEH), Spain;
CENIEH is a world-class multidisciplinary research in Paleo-anthropology and Quaternary

Sciences, focusing on human biological and cultural evolution. It is also providing this challenging range of services to the interested parties. As such, CENIEH is a most welcome addition to the ARIADNE family. [p.166]

14 - Prospects and Potential for the National Digital Repository of Archaeological Site Reports : *Yuichi Takata, Akihiro Kaneda, Miyu Konuma, Sadakatsu Kunitake*
Akihiro introduced 'Japan Cultural Heritage Search' (JCH), an online searchable archive which aims to hold every report on excavation or survey of archaeological sites in Japan. He presented current situation of archaeological surveys in and digital archives in Japan, wrapping up with a look into the near future. [p.167]

Summary
The entire session provided an astounding insight into just how profound ARIADNE's impact on European archaeology is. Time after time we could see that the exchange of idea on the one hand and just discussing issues on personal basis is at least as important as measurable deliverables of the project.

Prepared for ARIADNEplus by Benjamin Štular in Kraków on 24.4.2019