



The ARIADNE project

Advanced Research Infrastructure for
Archaeological Data Networking in Europe

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What is ARIADNE

- ARIADNE is a Research Infrastructure project aiming at the integration of archaeological datasets in Europe
- Four years' duration
- Starting 1st February 2013
- 23 partners from 17 countries
- Coordinated by PIN-U. of Florence (IT)
- Affiliated to DARIAH



Why ARIADNE

- Huge number of archaeological data available in digital format
- Large number of non-communicating archaeological datasets – the “information silos”
- Increasing interest of the research community for data sharing, both passive (“access”) and active (“provide”)
- Social pressure for opening data vaults



The ARIADNE Partnership

- Coordinator
- Partner
- Associate



Project Goals

- Shape the research community
- Share, access, use and re-use archaeological data
- Overcome fragmentation
- Foster/support interoperability
- Establish accepted standards and common protocols
- Enable resource discovery and faceted searches
- Explore new methods
- Create useful tools for searching and browsing

Connect, not assemble

Make data discoverable, accessible, understandable, usable



Planned Project Activities

- Networking: establishing collaboration among archaeologists to overcome fragmentation
- Collecting, recording and providing information on
 - What is available → The Project Registry
 - What is going on → Liaisons and Cooperation
 - What needs to be done → The Project Innovation Plan
- Training on innovation: the Trans-National Activity (TNA)
- Joint Research on
 - Standardization of metadata and reference works (thesauri, gazetteers, authority lists)
 - Interoperability design & implementation
 - Tools for data access and services
 - Data lifecycle: acquisition, management, long-term preservation
 - New methodological tools



Progress in the first two years

Networking – Establishing a community of use

- Users' dataset and services survey
- Special Interest Groups work
- Cooperation agreements with institutions not in the partnership
- Report on users' expectations and perceived needs – providing the foundations for the design of project services
- Second version of report available by end 2014
- Innovation plan: a Research Agenda

TNA

- Training program started in 2014
 - 3 summer schools
 - Individual visits



Progress in the first year

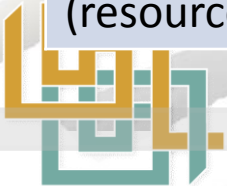
Joint Research

- Creation of the ACDM (ARIADNE Catalogue Data Model) and of the Registry describing archaeological digital resources
- Designing dataset integration
- Working on an extension of CIDOC-CRM suitable for archaeological documentation
 - Mapping metadata schemas to CIDOC-CRM
 - Draft proposal for excavation data



Success indicators

Success indicator	2017 target	Current achievements
Stakeholders involvement	100% EU countries	65% (but all larger ones)
Liaison with similar initiatives	Established	Established by end 2014
End users participation	400 researchers	250 involved in activities, 700 respondents to poll
Audience reached directly	3000	2800
Web site users	12,000	15,000
Trainees in workshops	250	150
TNA activity (to start in 2015)	90	15
Online TNA users	-	675,000
Records made available	5,000,000	4,700,000
Documents made available	100,000	200,000
First level of integration (resource discovery)	End 2014	End 2014

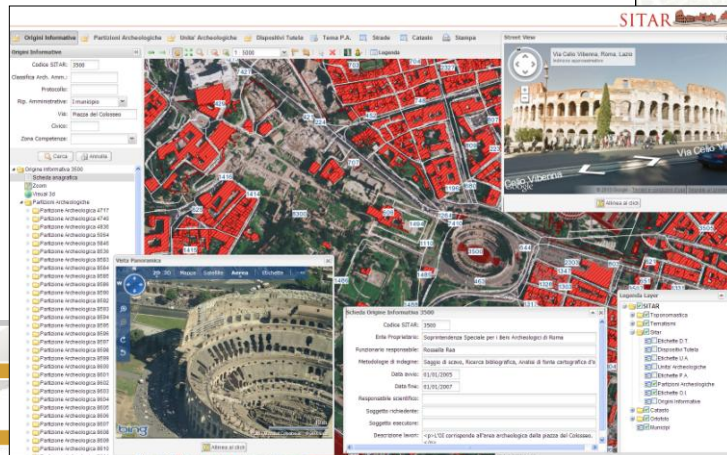
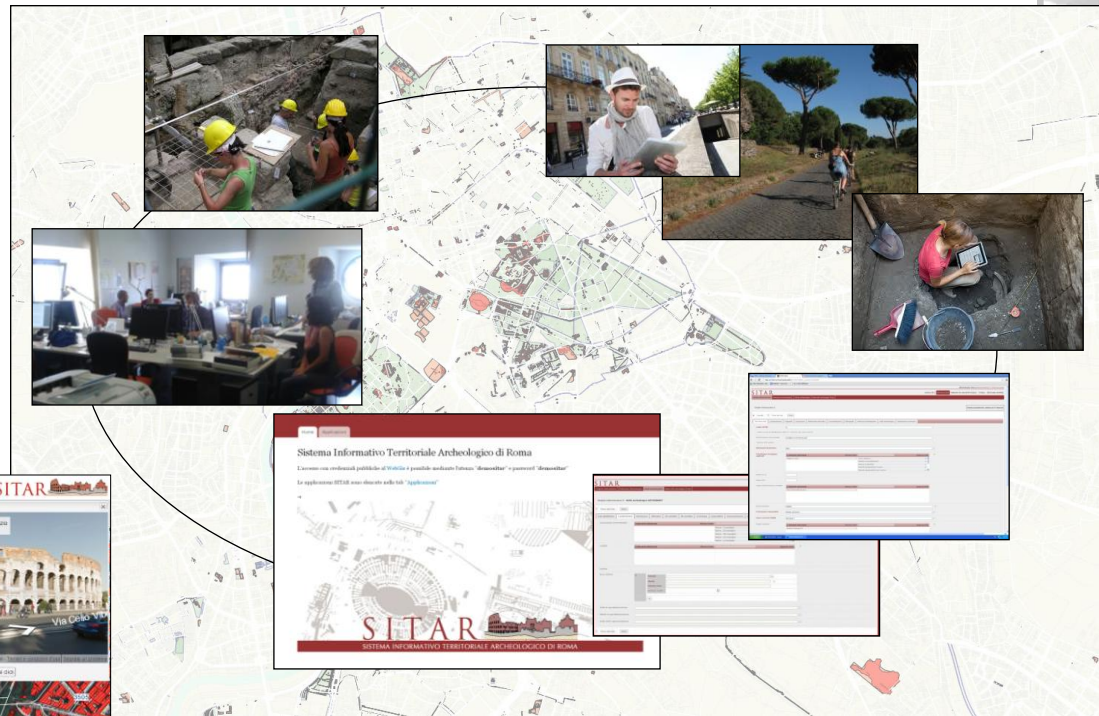


Success stories

- Agreement with PACTOLS (multilingual French thesaurus) for integration in the ARIADNE system
- Mapping the Italian documentation system on the ARIADNE standard
- Progress into incorporating SITAR (archaeological datasets on Rome)
- DAI implementing the novel ARIADNE extension for new datasets
- ARIADNE inspiring new research projects in Austria
- and more...



- Geographic coverage: Rome (incl. Ostia) and Fiumicino
- Temporal coverage: from Paleolithic to present
- Georeferenced dataset
- Open Data
- 3100 reports
- Images, documents, etc.
- Unique of its kind in Italy



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The views and opinions expressed in this presentation are the sole responsibility of the authors and do not necessarily reflect the views of the European Commission.

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