

General VCC meeting

2/3 April 2012

Utrecht, The Netherlands



Welcome and Introduction to DARIAH's Virtual Competency Centres (VCCs)

Monday 2 April 2012

14:00 - 14:15



## An announcement

www.dariah.eu

# The program

#### **TODAY**

- 14:15 How could DARIAH-EU support my institution? panel
- 15:30 DARIAH's Members: what DARIAH activities are there
  - in my country? panel
- 16:15 Introducing the VCCs

#### *TOMORROW*

- 9:15 Parallel sessions of VCC 1-4
- 13:30 Feedback session
- 14:30 How could DARIAH-EU support my research?- panel



# Can we help you?

Sally Chambers



Gabrielle Kraft



Henk Harmsen



Lisa de Leeuw



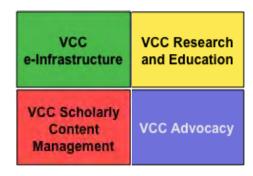
Ingrid Dillo

# Step into the DARIAH train



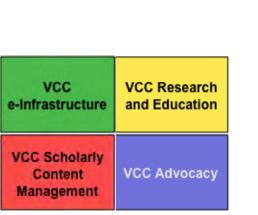


# The DARIAH train





# The DARIAH train







# The DARIAH train











## Welcome on board









How could DARIAH-EU support my institution?

Monday 2 April 2012

14:15-15:00

A panel session facilitated by Tobias Blanke with: Peter Doorn, Jurij Hadalin, Toma Tasovac and Manfred Thaller



#### Data Archiving and Networked Services

How could DARIAH-EU support my institution?

Or... ask not what DARIAH can do for you - ask what you can do for DARIAH

Peter Doorn

DARIAH General VCC Meeting 2 - 3 April 2012, Utrecht, The Netherlands

Driven by data

#### What is DANS?

- Institute of Dutch Academy and Research
   Funding Organisation (KNAW & NWO) since 2005
- First predecessor dates back to 1964 (Steinmetz Foundation), Historical Data Archive 1989
- Mission: promote and provide permanent access to digital research information (digital archives in the humanities and social sciences)
- DANS involved in DARIAH right from the start! Coordinator of VCC 3 (with France)
- Leading participant in CLARIAH



#### Our main activities and services

- Encourage researchers to self-archive and reuse data by means of our Electronic Archiving SYstem EASY
- Our largest digital collections are in archaeology, social sciences and history (moving into other domains)
- Provide access, through <u>Narcis.nl</u>, to thousands of scientific datasets, e-publications and other research information in the Netherlands
- Data projects in collaboration with research communities and partner organisations
- Advice, training and support (Data Seal of Approval, Persistent Identifier Infrastructure)
- R&D into archiving of and access to digital information



NARCIS.nl: Access to Research Information, e-Publications, Data Sets and more

NARCIS



NEDERLANDS

The gateway to scholarly information

Submit Content to NARCIS

Search...

SEARCH

670,817 PUBLICATIONS

53,243

RESEARCH

47,273

PEOPLE

2,889 ORGANISATIONS

1,800 beta release

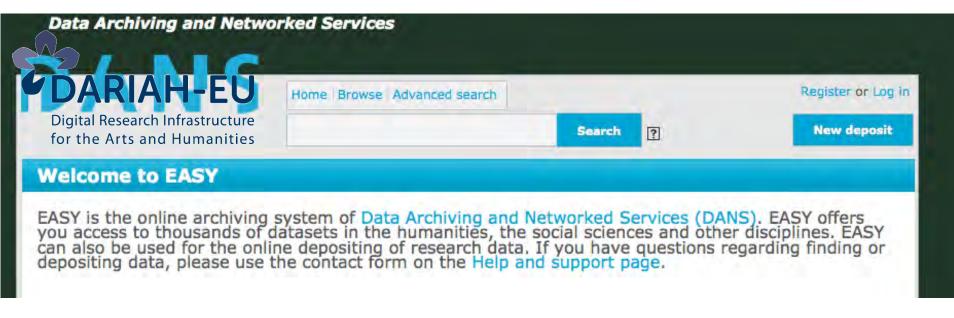
ENHANCED PUBLICATIONS



Digital Research Infrastructure for the Arts and Humanities

Driven by data

### Archiving of orphaned humanities data?





Digital Research Infrastructure for the Arts and Humanities



# 5 Criteria16 Guidelines

#### The research data:

- can be found on the Internet
- are accessible (clear rights and licenses)
- are in a usable format
- are reliable
- can be referred to (persistent identifier)

www.datasealofapproval.org







#### Data Archiving and Networked Services



# Thank you for your attention and visit us at:

www.dans.knaw.nl www.narcis.nl

peter.doorn@dans.knaw.nl



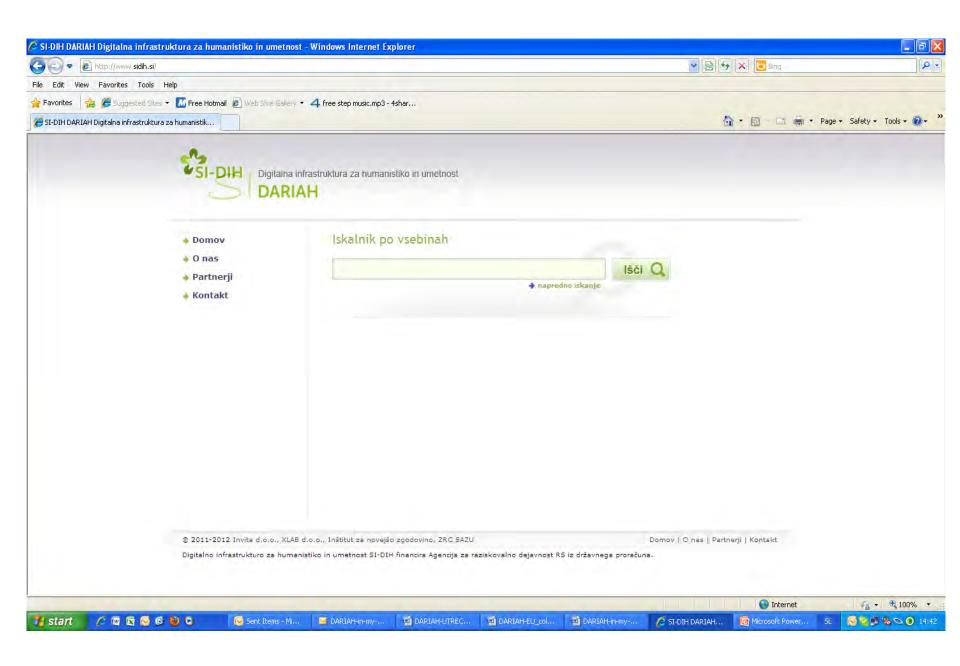
Driven by data



DARIAH ON THE SLOVENIAN NATIONAL ESFRI ROADMAP IN CONNECTION WITH SISFRI ROADMAP IN 2011

ESTABLISHING INTERMEDIATE DARIAH-SI (SI-DIH) BECAUSE SLOVENIAN DIGITAL HUMANITIES LAGGED BEHIND OTHER DIGITAL SCIENCES. THAT IS WHY SI-DIH PORTAL SERVES NOT ONLY AS AN INFORMATION/PROMOTIONAL POINT ON POLICIES AND PRACTICAL ADVICES FOR OUR PARTNERS, IT ALSO INTEGRATES A BUILT IN SEARCH ENGINE THROUGH AVAILABLE SCIENTIFIC DIGITAL CONTENTS IN THE FIELD OF ARTS AND HUMANITIES

PROBLEMS WITH ESTABLISHING SUCH A NETWORK CONSISTS WITH THE FACT THAT MOST OF THE CONTENT DOESN'T HAVE ANY OR VERY BASIC METADATA AND THE COPYRIGHT ISSUE THAT MAINLY REMAINS UNSOLVED. TO FIND SOME SOLUTIONS A ROUNDTABLE IS PLANNED, FOLLOWED BY WORKSHOPS ON METADATA CREATION AND COPYRIGHT LEGISLATION OFFERING PRACTICAL SOLUTIONS





# How could DARIAh-EU support my institution?

Manfred Thaller: Universität zu Köln

Utrecht, April 2<sup>nd</sup> 2012



## What is my institution?

\* Chair for Applied Computer Science in the Humanities. Since 2000; going back to "DH" since 1976.

What can DARIAH-EU do for the "DH".

❖ Cologne Centre for eHumanities (CCeH). Since 2009; some experience 1997/2000.

What can DARIAH-EU do for individual researchers.

❖ Assorted national committees on libraries and information infrastructure. Since 2001.

What can DARIAH-EU do for infrastructures?



# Observation: A definition of eScience

Science performed in an environment, where

- (1)the acquisition of information needed for a research question
- (2) analysis of that information, resulting in additional information,
- (3) and publication of the information gained are equally well supported by an integrated digital environment.



# Observation: A definition of eHumanities

Humanities performed in an environment, where

- (1)the acquisition of information needed for a research question
- (2) analysis of that information, resulting in additional information,
- (3) and publication of the information gained are equally well supported by an integrated digital environment.



# Generally: What should DARIAH do?

- (1) Provide *tools* which provide solutions for problems which are *specific* for the Humanities.
- (2) Provide *tools* which provide solutions for problems which are *specific* for the Humanities.
- (3) Provide *tools* which provide solutions for problems which are *specific* for the Humanities.



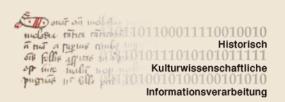
### What can DARIAH-EU do for the "DH"? Onsverarbeitung

- \* Chair for Applied Computer Science in the Humanities. Since 2000; going back to "DH" since 1976.
- (1)Clearly separate roles and qualification profiles within the DH between people who produce tools and such which use them.
- (2) Reduce the distance between sub-communities of DH.
- (3) Restart the methodological discussion. Why do the *Digital Humanities* lead to *better* Humanities?
- (4) Create non-Potemkian technical infrastructures for re-usable tools.



# What can DARIAH-EU do for infrastructures?

- ❖ Cologne Centre for eHumanities (CCeH). Since 2009; some experience 1997/2000.
- (1)Provide information on *methods*. What makes a digital edition better than a printed one?
- (2)Provide information on *tools*, which *support* these methods.
- (3)Do not not!!!!!!!!! teach XML.



# What can DARIAH-EU do for individuals?

- ❖ Assorted national committees on libraries and information infrastructure. Since 2001.
- (1) What is *specific* for the Humanities in an infrastructure?
- (2) Why can more general infrastructures not support them?
- (3)Provide concepts globally with 10 % of the effort or less; deliver support for their use locally with 90 % or more.



# Thank you for listening

manfred.thaller@uni-koeln.de



DARIAH's Members: what DARIAH activities are there in my country?

Monday 2 April 2012 15:30-16:15

A panel session facilitated by Sally Chambers



## **DARIAH** - AUSTRIA

General VCC meeting, 2/3 April 2012, Utrecht, The Netherlands

Karlheinz Moerth (Co-head of VCC 1)

## DARIAH-AT

... aims to translate the developments and initiatives on the European level into fruitful activities on the national level. By identifying possible cooperations and exploiting potential synergies, DARIAH-AT is designed to serve as the central hub in Austria for digitally rooted humanities studies forming a tightly knit network of interested research groups and individual scholars to realise visible and sustainable developments.



# HISTORY

22 June 2011: Austria signed MoU

21-22 Feb. 2012: First Joint CLARIN-AT – DARIAH-AT Conference



### CORE GROUP







## INITIAL NETWORK (AS OF FEB. 2012)

Centre for Translation Studies (UoV)
Faculty of Philological and Cultural Studies (UoV)
Institute for Corpus Linguistics and Text Technology (AAS)
Centre for Information-Modelling in the Humanities (KFUG)

Vienna University Computer Centre (UoV)
Austrian National Library
International Centre for Archival Research
Austrian Archaeological Institute
Vienna Wiesenthal Institute for Holocaust Studies



## INTENDED ACTIVITIES

#### VCC1

Long term preservation

Archive information system

Humanities' Asset Management System

#### VCC2

Training, DH methods

#### VCC3

Standards for DH

#### VCC4

Annual conferences

Liaison with key influencers



## DIGHUMLAB DK

- Userdriven, consortium based DH research infrastructure
- Danish Road Map 2010
- Funding / co-funding 2012-2017: 5 mio Euro
- 4 research universities, 2 archival institituions
- 4 WPs:
  - Language tools and resources (CLARIN DK)
  - Sound and Visual Media Tools
  - Internet Archive and Research Tools
  - Virtual Infrastructure for Experimental Humanities Labs

## DIGHUMLAB DK

Name of Danish Representative	Erik Champion Project Manager, DIGHUMLAB DK, Aarhus University, DK
Key contacts in DK	Marianne Huang Vice Dean, Faculty of Arts, Aarhus University, DK  •Prof. Niels Brügger Head of Center for Internet Research, Ph.D., Aarhus University, DK  •Prof. Dr. Niels Ole Finnemann Center for Internet Research, Aarhus University., DK  •Prof. Per Jauert Dept for Asthetics and Communication / LARM, Aarhus University, DK

## DK TOP 3 ACTIVITIES

- User driven development of tools for media and Internet ressources
- Enhancing experimental humanities
- Development of DH teaching formats and new formats for knowledge sharing
- Development of new archival formats
- Enhancing Nordic RI Collaboration
- Sandbox projects:

Cultural Heritage: DH's Curatorial

**Technical Art History** 

Digital Urban Living (Smart City Project)

# The TGE Adonis

# **General VCC Meeting**Utrecht 2/3 April 2012

**Sophie David** 

(TGE Adonis, CNRS)





## **TGE Adonis**

 One of the national infrastructures for Social Sciences and Humanities (Corpus-IR and Progedo)

- Three main activities:
  - Provision of the Adonis Grid: a national service infrastructure providing mass storage and intensive computing facilities, together with networking and long-term archival facilities.
  - Development and deployment of the Isidore platform, which is based on Linked Data technology.
  - Participation in Dariah and coordination of French contributions.





# Contributions of France in Dariah Key points

- Other major institutions: Cleo, CCSD, ABES, 3 consortia from Corpus-IR and 4 labs (and others in 2013...)
- Content
  - Linked Data
  - Digital Publishing
  - Open Archive
  - TEI expertise
  - Guides to good practice
  - Data services









Digital Research Infrastructure for the Arts and Humanities

# What DARIAH activities are there in Germany?

Heike Neuroth & Christiane Fritze State and University Library Göttingen

# **DARIAH-DE** Key Facts

#### 17 partner institutions

- 7 Universities
- 4 Computing Centres
- 1 Library
- 1 Academy
- 1 Commercial Partner
- 3 Discipline Specific Institutes

#### A bunch of disiplines

- Archaeology
- **Art History**
- **Epigraphics**
- **Jewish Studies**
- Musicology
- Philology
- Philosophy
- Theology



































# **DARIAH-DE** Key Facts

- Funded by the German Federal Ministry of Education and Research
- Duration: 3+2 years
- Start Construction Phase: March 2011
- Amount: about 23 FTE, spread over all VCCs



## **DARIAH-DE Demonstrators**

- 3D-Joints of cuneiforms (*funded externally*)
- Archive-in-a-Box
- eCodicology (funded externally)
- ePoetics (funded externally)
- Exploring TextGridRep with Voyant
- Generic Search with Facetted Browsing
- Geo-Browser
- Interoperability through Authority files
- Monasterium / Virtual German Charters Net (funded externally)
- Music Encoding Initiative Score Editor
- Networked correspondence (funded externally)
- Pattern Recognition of Images (funded externally)
- Person Data Repository
- Relations within Spaces (funded externally)
- VRE: Institute of European History (funded externally)
- Virtual Scriptorium St Matthew

#### Funded externally:

BMBF eHumanities Call in 2011.

24 Projects will get funded, 7 projects relates to DARIAH-DF



### DARIAH in Greece: Top 3 activities

#### 1. NETWORK AND FEASIBILITY STUDY

- Humanities and IT research survey
- DYAS network setup, plan and roadmap

#### 2. TECHNICAL WORKPLAN

- Digital resource sharing services
  - Data source registry (at collection description and item level)
  - Metadata registry
  - Ontology and terminology registry
  - Software service registry
- Digital resource development support
  - Data collection development
  - Metadata and vocabulary development
  - Standards and good practices
  - IPR management
  - Training
  - Content management guidelines
  - mall users application
- Contribution to DARIAH services

#### 3. CONTENT WORKPLAN

- Digital humanities repository
  - Collecting and analysing qualitative and quantitative data
  - Monitoring and supporting advances in the field
  - Working groups addressing and synthesising stakeholders' views
  - Collecting and promoting best practices
- Content registries of Greek data sources, organizations and researchers/users
  - At collection and item level
  - Fields covered: anthropology, ethnology, archaeology, classical studies, history, history and philosophy of science, literature, linguistics, philosophy, drama, music and musicology, byzantine studies, religion, art and art history
- Web portal and community hub



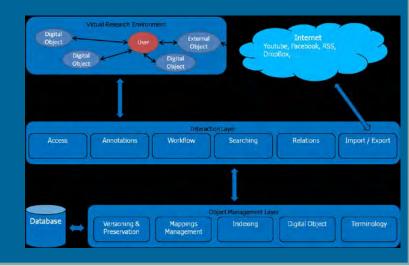
### DARIAH in Greece: Activity focus

#### A. DYAS NETWORK AND DARIAH

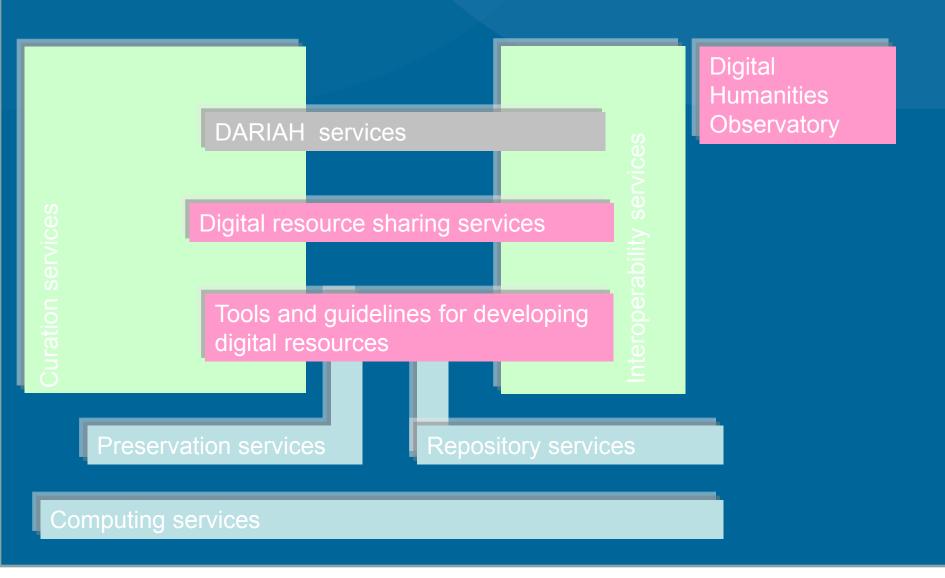
- DYAS network partners
  - Academy of Athens (Coordinator)
  - Digital Curation Unit, Athena RC
  - University of Athens
  - FORTH
  - Ministry of Culture and Tourism
  - Athens School of Fine Arts
  - Image, Video & Multimedia Lab, NTUA
- DYAS partner plans for DARIAH contribution
  - Community engagement, outreach and DARIAH participation buildup(AA)
  - Infrastructure for user & resource registries, A+H research environment, registries of ontologies and authorities, understanding scholarly needs, repository guidelines, curation, impact assessment (DCU)
  - Data federation and interoperability, collections and vocabulary management systems for small users, information structure standardisation (FORTH)
  - Provenance tools (DCU, FORTH)
  - Virtual research environment (AA, DCU)
  - Registry of Greek data sources, organizations and users, metadata registry (AA, UoA, ASFA)
  - Best practices & training (AA, ARC, FORTH)

## B. REPOSITORY SERVICES FOR ARTS AND HUMANITIES WORK

- The Fedora-based Mopseus<sup>™</sup> repository system is intended to provide a backend for virtual research environments. The system features curation-oriented functions, such as:
  - annotation management
  - version management
  - provenance and identity management
  - semantic relations
  - relation-based similarity reasoning



### DARIAH in Greece: Activities diagram







Digital Research Infrastructure for the Arts and Humanities

## **Ireland**

General VCC meeting, 2/3 April 2012, Utrecht, The Netherlands



Digital Research Infrastructure for the Arts and Humanities

# National Steering Committee Susan Schreibman (TCD/Chair)

- Jennifer Edmond (CENDARI)
- Owen Conlan (CULTURA)
- Owen Kilfeather (
- Sandra Collins (DRI)
- Stephan Decker (DERI)

www.dariah.eu



for the Arts and Humanities

## Three Priorities

- Coordination of VCC2
- Creation of Trusted Digital Repository (DRI)
- Development of a DH roadmap for Ireland

www.dariah.eu

CLARIN.nl + DARIAH.nl = CLARIAH

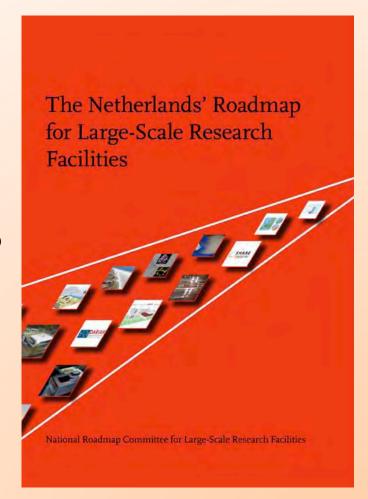
Ingrid Dillo

DANS (Data Archiving and Networked Services), Netherlands



# Roadmap 2008

- 25 Facilities
- 5 SSH proposals
- CLARIN funded with M€ 9 for 6 years
- DARIAH on roadmap, no funding





## Revision Dutch Roadmap

- CLARIN.nl and DARIAH.nl join forces
- Consortium of 24 parties:
   10 Universities, 8 Academy institutes, MPI, INL, National Library (KB), National Archive, Broadcasting Archive, NL eScience Center
- Only one proposal from the humanities: CLARIAH.nl

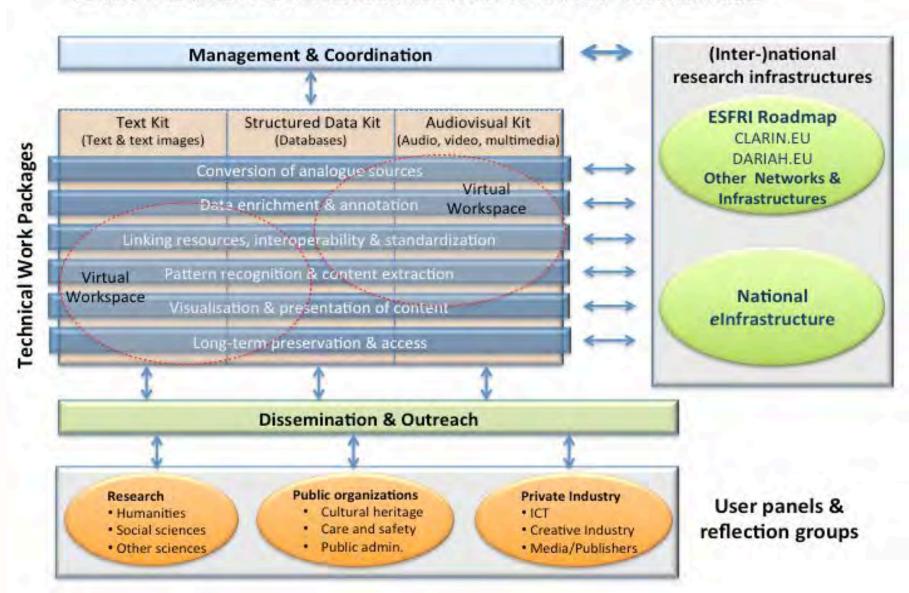


## CLARIAH mission

- In the Common Lab for Research in the Arts and Humanities (CLARIAH) we aim to construct a facility for eHumanities research.
- This 'Common Lab' will provide a sustainable research environment, which will provide researchers and research groups with integrated access to unprecedented collections of seamlessly interoperating digital research resources and innovative tools to process them in virtual workspaces, thus enabling Data Intensive Science in the humanities.
- The Common Lab is virtual, i.e. the data, tools and facilities, as well as its developers and users are distributed over various locations and institutes.



#### CLARIAH: Common Lab Research Infrastructure for the Arts and Humanities





## The outcome: in words



- 'In the Committee's opinion the fusion is an excellent idea, resulting in an initiative that has a much broader coverage of the Arts and Humanity Sciences.
- The scientific and social significance of this project is great, the committee strongly believes in the scientific potential of bringing together large amounts of data and extracting scientific information out of these.'
- 37 proposals; ranking 6<sup>th</sup> place



## The outcome: in euro's



- 1 M€ seed money: 2012-2014
- Place on the national roadmap
- Next call in 2014



### A bright future for CLARIAH...





# Top 3 DARIAH-Related Activities in Serbia

Зима је, снег замео све до кућних врата и свему одузео стварни облик, а дао једну ак зиму зиме ишчезло је и мало гробље на ком само највиши зима вок зимо зиме а. Једино ту се виде трагови уске стазе кроз најхладније годишње доба за време фра-Петровог погреба. На крају те WINTER, WINTERTIME инст зимом зимама стазе танка пруга пртине шири се у неправилан круг, а снег око ње има румену лок зими зимама боју расквашене иловаче, и све то изгледа као свежа рана у општој белини која се протеже до унедоглед и губи неприметно у сивој пустињи неба још увек пуног 1 домен временски период снега. значење најхладније годишње доба Све се то види са прозора фра-Петрове ћелије. Белина спољњег света ту се ПРЕВОД WINTER, WINTERTIME меша са дремљивом сенком која влада у ћелији, а тишина добро другује са тихим хиперним доба године, годишње доба шумом његових многобројних часовника који још раде, док су се неки, ненавијени, већ зауставили. Тишину ремети једино пригушена препирка двојице фратара који у суседној празној ћелији састављају инвентар ствари које су остале иза фра-Петра.



An interdisciplinary project to digitize Serbian lexicographic heritage (dialectical, historical, ethological/anthropological, etymological, terminological, onomastic and encyclopedic) and create a rich "meta-dictionary" of the Serbian language and culture linked via the Transpoetika Platform (a Word-Net based, bilingualized Serbian-English lexical database).

#### **Participants**

Institute for the Serbian Language of the Serbian Academy of Arts and Sciences

Entnographic Institute of the Serbian Academy of Arts and Sciences

University of Mitrovica

Belgrade Center for Digital Humanities



# Serbian Internet Library for the Arts and Humanities (IBIS)

A digital repository of scholarly content in the fields of the arts and humanities, as well as archival materials, and old and rare books.

#### <u>Participants</u>

Institute for the Serbian Language of the Serbian Academy of Arts and SciencesMathematical Institute of the Serbian Academy of Arts and SciencesBelgrade Center for Digital Humanities



A digital library of 18th century texts in two orthographic versions (traditional & modernized) with lexical and semantic annotations whose goal is to open a notoriously difficult chapter in the development of the Serbian language and culture to a wider audience, without sacrificing the editions' scholarly potential.

#### <u>Participants</u>

Belgrade Center for Digital HumanitiesNational Library

## Contact: centar@humanistika.org

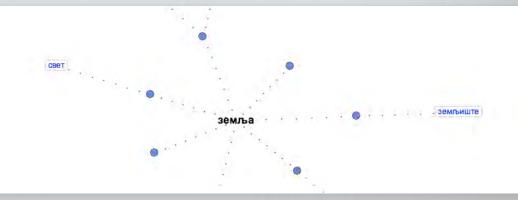
трећа планета од Сунца; планета на којој живимо; "Земља се окреће око Сунца"; "пут око света"

растресити материјал који чини значајни део Земљине коре; "под земљом": "изнад земље"

политички организовани скуп људи под јединственом влашћу; "земље у развоју"; "главни град државе";

чврсти део Земљине површине; "И на копну и у води корњаче се крећу кривудаво, што је типично за гмизавце."; "Тло под њиховим ногама се тресло неколико минута."; "Сео је на земљу."

материја у горњем слоју земљине

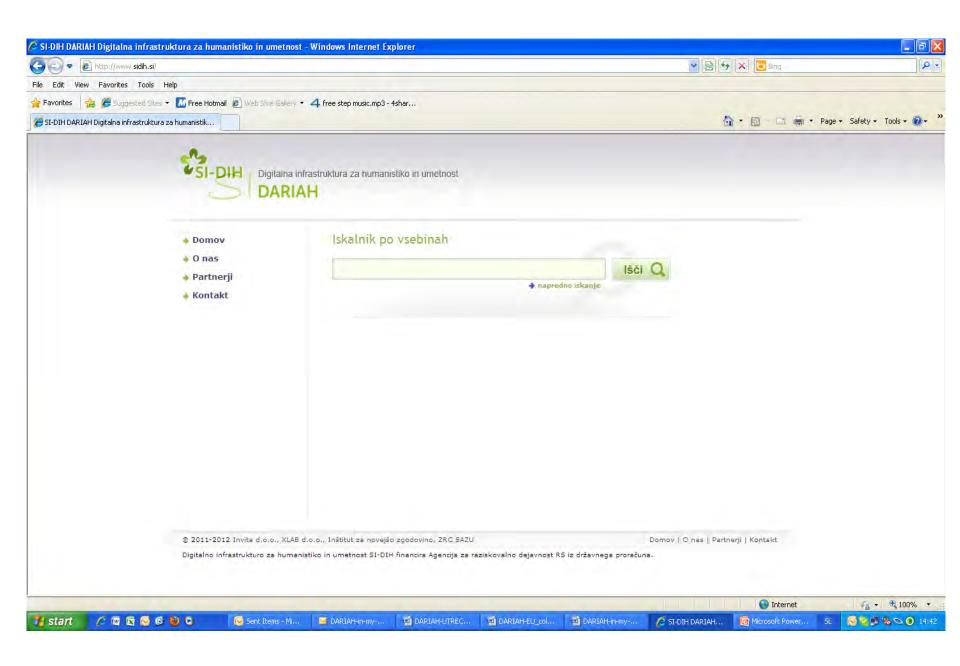




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# DARIAH-related activities in Lithuania

Ingrida Vosyliūtė
Vilnius University
Faculty of Communication

ingrida.vosyliute@kf.vu.lt

### The Feasibility Study "Establishment of the Network of Lithuanistic Scientific Research and Heritage Infrastructures"

Published Feasibility Study dealt with various existing infrustructures (including DARIAH) and opportunities for creating a network of existing Lithuanistic scientific research and heritage infrastructures.

#### Lithuanian roadmap for research infrastructures

Ministry of Education and Science of the Republic of Lithuania published this Roadmap as long-term (10–15 years) planning instrument that lists research infrastructures of national importance (including DARIAH) and serves as a guideline to the decision-making process.

## DARIAH-UK

- Under construction in a slow process
- Organisers
  - Network of Digital Humanities Expert Centres:
    - http://www.arts-humanities.net/noc/
  - Especially: Lorna Hughes (chair of digital collections, National Library of Wales), Mark Hedges (Director, CeRch) and Julian Richards (Director of Archaeology Data Service)
- Funders: AHRC (yes and no), JISC (interested) and various smaller bodies
- Activities:
  - Lots of digital humanities covering all areas of research
  - National infrastructure (via JISC)





Digital Research Infrastructure for the Arts and Humanities

Introducing the VCC's

Monday 2 April 2012

16:15-17:15

## VCC's: a defined set?

VCC e-Infrastructure

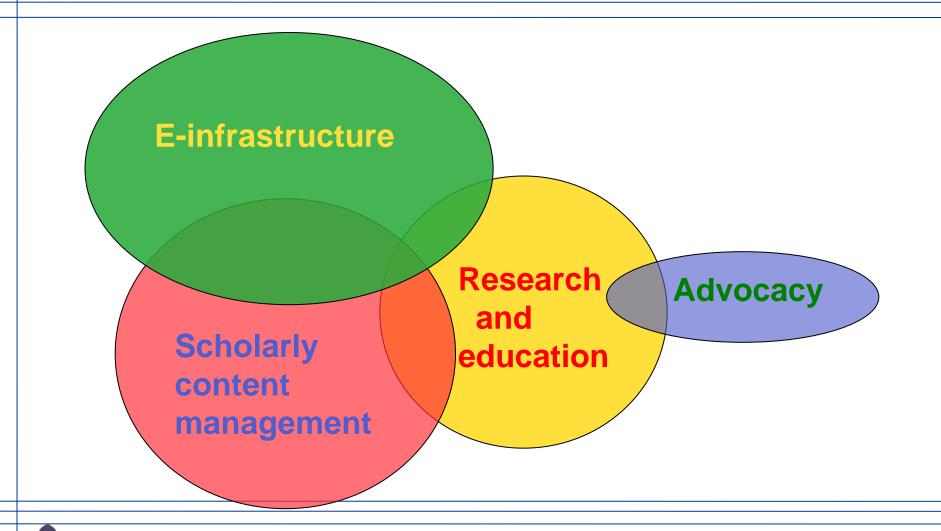
VCC Research and Education

VCC Scholarly Content Management

VCC Advocacy

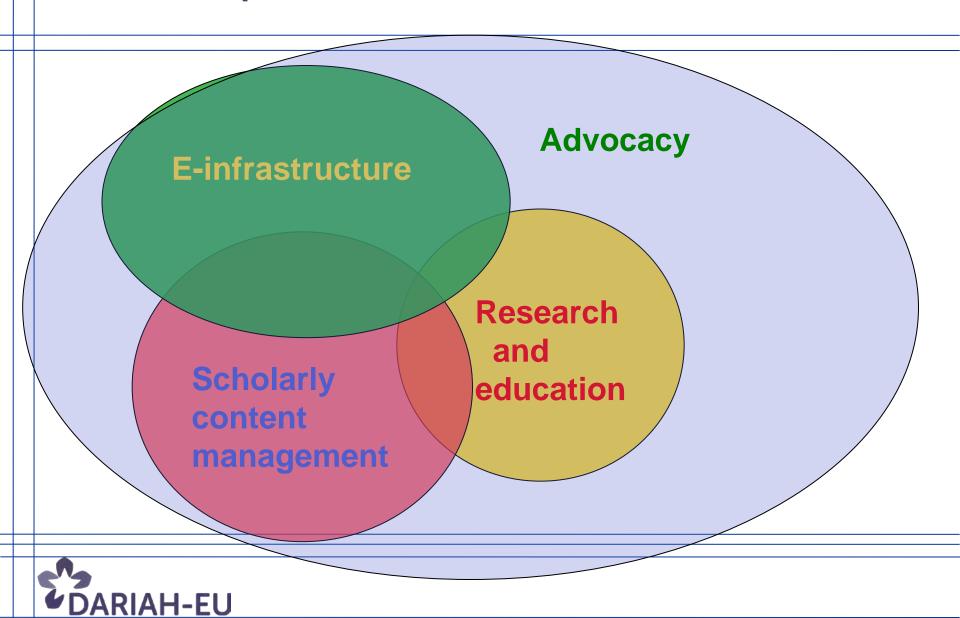


# VCC's: overlapping fields

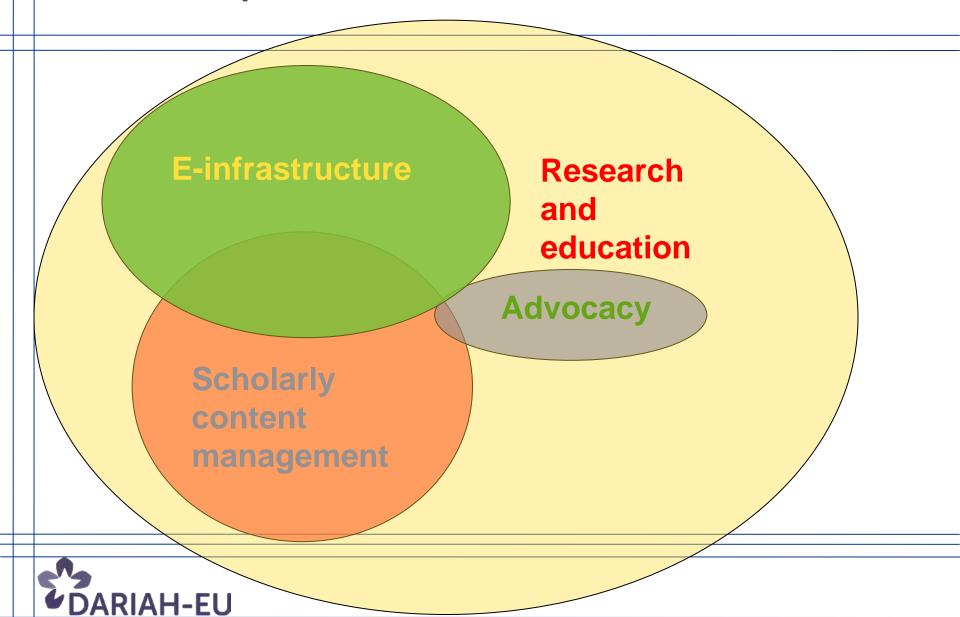




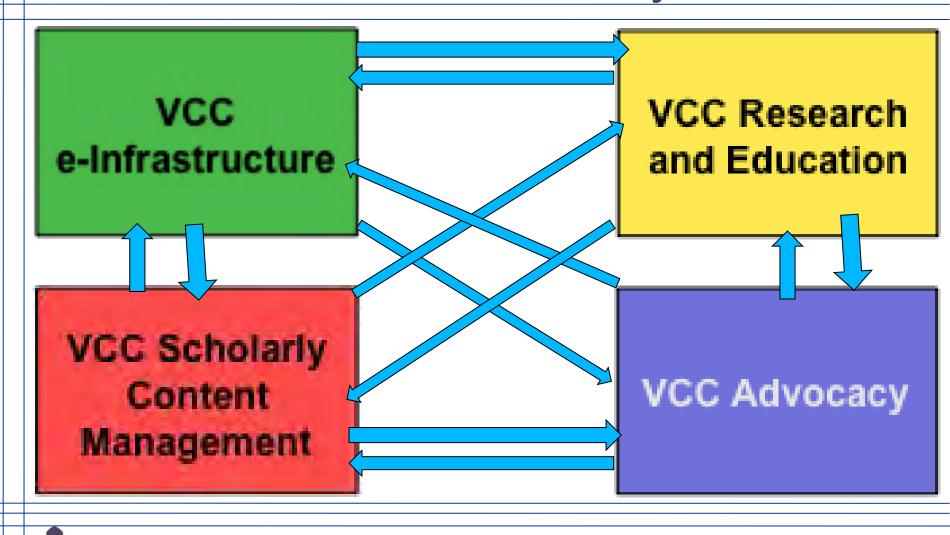
# VCC's: point of view



# VCC's: point of view



# VCC's: communication and discussions are on the way!







# Virtual Competency Centre 1: e-Infrastructure

General VCC meeting, 2/3 April 2012, Utrecht, The Netherlands

Karlheinz Moerth (Co-head of VCC 1, Austria) Cao Ye (Co-head of VCC 1, Germany) Patrick Harms (Germany)



## VCC 1: e-Infrastructure

... aims at establishing a shared technology platform for A+H research by

- ... establishing basic infrastructure services
- ... supporting the creation and evolution of local data stores
- ... fostering openness and re-usability of scholarly tools
- ... interacting with related actors



# VCC 1: primary target groups

- other VCCs
- innovators and adopters of technical infrastructure (projects using and developing infrastructure components)



## VCC 1: tasks

T1: Management & coordination

T2: A+H infrastructure services

Authentication, Authorisation Infrastructure (AAI)

Persistent Identifier Services (PID)

T3: Reference software packages

In-a-box services

Bitstream preservation



## VCC 1: tasks

T4: Preservation infrastructure

T5: Data federation and interoperability

T6: Developer community

Developer Portal

Services Registry



## VCC 1: tasks

#### T7: A+H Service environment

**Authority Mediation Service** 

Collections registry

Resource Registry

#### T8: A+H Research environment demonstrators

Discover

Virtual Collection Creator



# VCC 1: related activities/projects

CLARIN (Common Language Resources and Technology Infrastructure)

DASISH (Data Service Infrastructure for the Social Sciences and Humanities)



# VCC 1: related activities/projects

CENDARI (Collaborative European Digital/Archival Infrastructure)
EHRI (European Holocaust Research

EGI (European Grid Initiative)

Infrastructure)



T2: A+H infrastructure services

T3: Reference software packages

T4: Preservation infrastructure

T5: Data federation and interoperability

T6: Developer community

T7: A+H Service environment

T8: A+H Research demonstrators

T2: Curation

T3: Best Practices and Open Access

T4: Reference Data Registries

T5: Repository Support

T6: Enrich Digital Contents



T2: A+H infrastructure services

T3: Reference software packages

T4: Preservation infrastructure

T5: Data federation and interoperability

T6: Developer community

T7: A+H Service environment

T8: A+H Research demonstrators

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T6: Developer community

T7: A+H Service environment

T8: A+H Research demonstrators

T2: Curation

T3: Best Practices and Open Access

T4: Reference Data Registries

T5: Digital Repository Support

T6: Enrich Digital Contents



Technical implementation
Technical requirements

Usage of standards
Definition of
requirements,
best practices and
guidelines





## VCC 2

General VCC meeting, 2/3 April 2012, Utrecht, The Netherlands

Ireland (Co-Lead Susan Schreibman)
Denmark (Co-Lead Marianne Ping Huang)



## VCC 2: Research and Education

#### VCC 2 Vision:

 To expose and share researcher's knowledge, methodologies and expertise

#### VCC 2: Objectives

 Coordinate a range of education and research practices, foster community engagement, and contribute to the development of a Virtual Research Environment through community-based activities



### VCC 2: Goals

- promote and support the use of research data and ICT methods and technologies (including the DARIAH infrastructure)
  - the primary contact with the A+H research and teaching communities
  - understand & expand research practice
  - encourage, support and enable researchers to use ICT/DARIAH tools and services & assist them in asking new questions and to address old questions



# VCC 2: Task 1: Management & Coordination

- Danish Digital Humanities Laboratory (DIGHUMLAB)
- Irish Research Council for the Humanities and Social Sciences



# VCC 2: Task 2: Understanding Research Practices

- Collaborate with NeDimah to identify research groups using ICT methods, tools and
- Collaborate with NeDimah, support researchers to share and exchange their expertise (e.g. methods, tools)
  - Including an ontology of methods and a registry of tools, projects, and case studies
- Translate these practices and processes into specifications for DARIAH services and systems



# VCC 2: 3: Training and Education

- DARIAH Summer School Programme
- Online training and documentation
  - to enable researchers to experiment with real life data and tools built/facilitated/endorsed by VCC1
- Collaborate with institutions providing undergraduate and postgraduate training in the digital humanities
  - to embed DARIAH tools and services in their courses
- Registry of undergraduate and post-graduate courses in addition to facilitating activities to share curriculum



# VCC 2: 4: Community Engagement

- Expert seminars
- A workshop series
- A publication and working paper series



# VCC 2: 5: Virtual Research Environment

- To gather knowledge of practices to inform development of DARIAH infrastructure via
  - Targeted end user-surveys
  - Feedback gathered as part of outreach/ training programmes
  - Focus groups
  - Knowledge gained through collaboration with NeDimah on DH methods and tools



# VCC 2: overlapping activities

VCC 1: Community-focused activities to assist with the development of specifications for VCC1

VCC 4: Community Engagement



## VCC 2: Related Activities

- NeDimah (Network for Digital methods in the Arts and Humanities)
- CENDARI (Collaborative European Digital/Archival Infrastructure)
- EHRI (European Holocaust Research Infrastructure)



### VCC 2: differences/boundaries

- Focused on researchers
  - As opposed to political entities
- Influence/Support IT development
  - as opposed to create it





## VCC 3

General VCC meeting, 2/3 April 2012, Utrecht, The Netherlands



# VCC 3: general description

Scholarly content life cycle from creation, curation, and dissemination

Data services

Use and re-use

Aims

To enhance data quality

To enhance preservation

To enhance interoperability

To deal with legal and organizational issues

**Keywords**: data services – standards – licenses – guidelines - repositories



# VCC 3: general description

#### 3 strategic targets

- 1. Every DARIAH partner country has a Trusted Digital Repository (TDR) to deposit Arts & Humanities data/content.
- 2. European-wide unified access to Arts & Humanities content will be developed
- Coherent set of recommendations / guidelines on with respect to Arts & Humanities content management will be produced



## VCC 3: tasks

#### 6 tasks

#### 3.1 Management and Coordination

**DANS** 

TGE Adonis

#### Organization of the 5 other tasks

Task = Working Group

A task leader

Several activities (i.e. national contributions), in a task

Possibly, sub-working groups in a task



# VCC 3: tasks

- 3.2 Curation

  Long term storage, data seal of approval
- 3.3 Best practices and open access Guidelines, standards
- 3.4 Reference Data Registries Ontologies, thesauri
- 3.5 Digital Repository Support Expertise
- 3.6 Enrich digital scholar content Methods



# VCC3: related activities and projects

Open AIRE
Open AIRE Plus
Europeana
APARSEN
TEI



# VCC 3: overlapping activities

3.2 Curation -> VCC 1.4 Preservation infrastructure Best practices and open access -> 3.3 VCC 1.4 Preservation infrastructure VCC 1.5 Data Federation and interoperability 3.4 Reference Data Registries -> VCC 1.5 Data Federation and interoperability 3.5 Digital Repository Support -> VCC 1.4 Preservation infrastructure 3.6 Enrich digital scholar content -> VCC 1.5 Data Federation and interoperability



# VCC 3: differences/boundaries

VCC1: Technical infrastructure

VCC2: Researchers

VCC3: Data services





# VCC 4

General VCC meeting, 2/3 April 2012, Utrecht, The Netherlands



## VCC 4: Generals (Chair: Germany and UK)

#### VCC4 - Vision



To interface to key influencers in/for A+H.

Services are not relevant to this VCC but tasks and activities are.

### **VCC4 - Strategic Objectives**

Digital Humanities projects, initiatives, centres and developments. Understand and promote the impact and value of research infrastructures with respect to arts and humanities.



# VCC 4: High Level Advocay

The targeted audience of this activity comprises key influencers in all roles and disciplines/industries who are in a position to promote, collaborate with, and finance DARIAH.

#### **Activities:**

Liaise with affiliated projects and funding agencies



# **VCC 4: Impact and Value**

This activity assesses the impact of DARIAH and measures the 'added value' that it brings through quantitative and qualitative measures.

#### **Activities:**

This task will focus on how DARIAH facilitates the transfer of knowledge and expertise to sibling initiatives

Qualified reports on the DARIAH environment (e.g. DARIAH-DE report: *Partnerships, relationships and associated initiatives*)



#### VCC 4: Outreach

DARIAH seeks mutually beneficial relationships with a wide community of stakeholders which potentially feed into A+H research, including cultural tourism, industrial partners and publishers.

#### **Activities:**

Liaise with SSH initiatives (e.g. DARIAH-AT with Europeana)
Organisation of DH conferences (e.g. SDH)
Distribution of targeted information packages



# VCC 4: Ensuring capacity in DARIAH

This activity ensures the consistency and growth of the DARIAH network of partners.

To achieve this, it identifies potential contact points for national partners in Europe, institutional partners, industrial partners, gaps in skills and resources within the DARIAH network.

#### **Activities:**

Mapping DARIAH-EU (MPDL/DANS)

Analysis of contributions (VCC4/CIO)

Detection of new issues relevant for the DARIAH policy process Dissemination and participation concept (VCC4/DCO)



# **VCC 4: Ensuring Participation in DARIAH**

The growth of the DARIAH community will primarily be driven by the community, but this activity will also work to ensure the openness of this growth along several dimensions, including disciplines, geography and skills (e.g. dealing with content types or methodologies).

#### **Activities:**

Transversal Tools for scholarly communication, Publishing, blog, event manager, conference manager, publication archives, theses (VCC2-VCC4)



# VCC 4: overlapping activities

In collaboration with the DCO and BoD:

Keeping contact to ESFRI and the EC.



In collaboration with the DCO:

Creation of a dissemination and participation concept.

Detection of interested but not yet involved institutes, countries but also commercial partners, targeted campaigns heading for new partnerships, which will fill in the gaps, the CIO localised.

#### Related with VCC2:

Organisation of the DARIAH summer school for DARIAH key stakeholders as well as wide groups of stakeholders.



# Why a collaboration strategy?

Many initiatives worldwide related to DARIAH

Scholarly networks

**EU** projects

Infrastructure initiatives

Towards a better understanding of our ecology

Defining priorities

Eliciting collaboration schemes

Cf. DARIAH-DE report: Partnerships, relationships and associated initiatives — Towards a strategic plan for DARIAH



### Towards a DARIAH collaboration strategy

#### **Affiliated projects**

•CENDARI, CULTURA, DASISH, EHRI, NeDiMAH

(Ariadne, DiXit)

#### **Sibling initiatives**

•BAMBOO, CLARIN, TEI

#### **Cultural heritage initiatives**

Europeana, DC-Net

Projects and initiatives in a larger circle

APA, EGI, EUDAT, GRDI2020, OpenAIRE\*



# **Collaboration - policy**

DARIAH-EU at work through its affiliated projects

Disseminating results

Defining further priorities with the commission

Incorporating further communities in the humanities

Maintaining strong relationships with sibling initiatives

Assessing the central role of digital sources in the humanities

Exploring possible interaction with cultural heritage initiatives

From cataloguing to scholarly editing



# **VCC 4: differences/boundaries**

- Focused on contacts to high political entities
- Network communication or organisationally driven
- Dynamic conditions in the networks and experiences of all partners



### But...

"there seems to be some law that the more potential you have to get things done the more liaising will drain you of the time to do it. Importance is its own cure"

G. Rockwell







for the Arts and Humanities

Welcome to Day 2

Tuesday 3 April 2012

09:00 - 9:15

# The program

#### YESTERDAY

- 14:15 How could DARIAH-EU support my institution? panel
- 15:30 DARIAH's Members: what DARIAH activities are there
  - in my country? panel
- 16:15 Introducing the VCCs

#### **TODAY**

- 9:15 Parallel sessions of VCC 1-4
- 13:30 Feedback session
- 14:30 How could DARIAH-EU support my research?- panel



### **DARIAH budgetary principles**

- •Estimated annual budget: 4 million euro
- Members and Observers contribute to the budget
- Contributions are based on the latest GDP figures
- Contributions consist of two parts:
  - Cash contribution (10%)
  - In-kind contribution (90%)
  - E.g. NL k€410:
    - cash: k€41 (KNAW/NWO)
    - in-kind: k€369



# VCC's: tasks and activities (ongoing discussion)

- VCC 1 tasks overview
- 1.Management & Coordination
- 2.A+H Infrastructure Services
- 3. Reference Software Packages
- 4. Preservation Infrastructure
- 5. Data federation and interoperability
- 6.Developer Community
- 7.A+H Service Environment
- 8.A+H Research environment demonstrators



# VCC's: tasks and activities (ASAP: todays focus)

VCC 1 – task 2 A+H Infrastructure Services

Activities (contributions)

-DE – activity a

-DE – activity d

-AU – actvity 23

-FR – actvity Z23

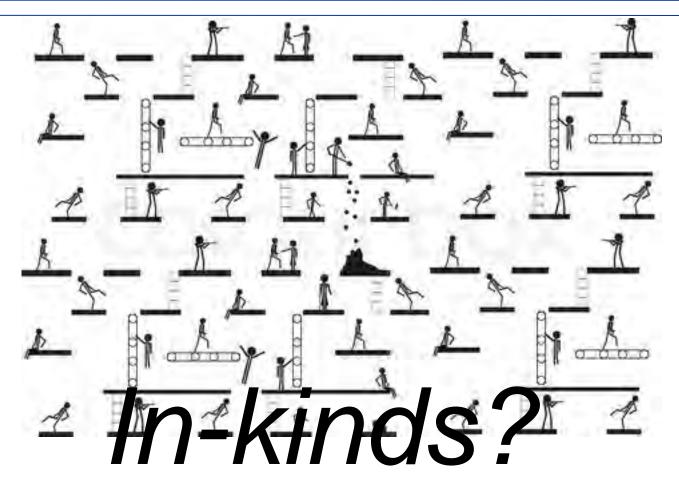
-NL – actvity 12003

-NL – actvity 11055

Who will become the task leader?



# VCC's: tasks and activities (near future)





# VCC's: tasks and activities (near future)

Example: VCC 1 – task 2 A+H Infrastructure Services

```
-DE – activity a
```

```
3 prs.mth a k€50 yearly = k€12.5 institute X, person x1 + description description of the activity and deliverables feb 2013 - aug 2014
```

How much?

Who?

What?

When?



# VCC's: tasks and activities (near future)

Example: VCC 1 – task 2 A+H Infrastructure Services

```
-DE – activity a
```

3 prs.mth a k€50 yearly t €1... institute X, percent (1 ) cestription description of the activity and deliverables el. 2013 aug 2014

How much?

Who?

What?

When?



# For today

### Focus on the tasks:

-Understanding and refining

#### Focus on the activities

- -Who can do what?
  - Task leader
  - Working group







Parallel sessions of VCC 1-4

Tuesday 3 April 2012

9:15-10:15

10:45 - 12:15





Feedback session from each VCC

Tuesday 3 April 2012

13:30 - 14:30





# How could DARIAH-EU support my research?

Tuesday 3 April 2012 14:30 – 15:30

A panel session facilitated by Tobias Blanke with Peter Doorn, Alastair Dunning, Lorna Hughes, Conny Kristel and Matteo Romanello,





# Advanced Research Infrastructure for Archaeological Dataset Networking in Europe ARIADNE

Peter Doorn

Director, Data Archiving and Networked Services (DANS)
Coordinator, "Preparing DARIAH"

DARIAH-meeting & GA, Utrecht, 2-3 April 2012



# **ARIADNE** proposal



- Call: FP7-INFRASTRUCTURES-2012-1-RTD
- Funding scheme : CP-CSA-Infra (Integrating Activities / e-Infrastructures)
- 25 Partners from 18 countries
- Total cost M€ 11.6; grant requested M€ 10
- Coordinator: Franco Niccolucci, Universitá di Firenze
- Submitted: 23/11/11; Evaluation 5/3/12: 14.5 out of 15 points



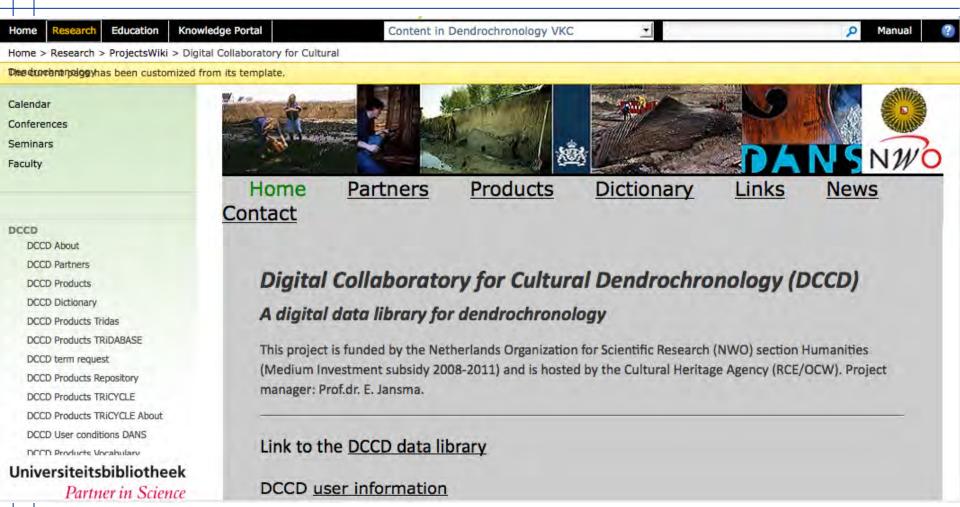
### About ARIADNE



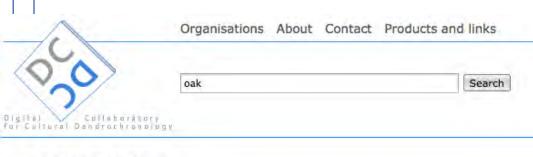
- Goal: bring together and integrate existing, distributed archaeological research data repositories from different periods, domains and regions.
- The outcome of research of individuals, teams and institutions form a vast and fragmented corpus, scattered amongst diverse collections, datasets, inaccessible and unpublished fieldwork reports, "grey literature", and in publications.
- This integrating activity will enable:
  - trans-national access of researchers to data centres, tools and guidance
  - creation of new web-based services based on common interfaces
  - availability of reference datasets and usage of innovative technologies.
- It will stimulate new research avenues in the field of archaeology, relying on the comparison, re-use and integration into current research of the outcomes of past and on-going field and laboratory activity.



### Digital Colloaboratory for Cultural Dendrochronology to be supported by ARIADNE







#### Archived objects

Showing 1 to 10 of 18 results for oak

1 | 2 | next |

Sort by: Relevance ▼

#### Object Subfossil oak trees

Type: bomen

Project Ename\_2002\_Verdronken bos

ID: 2002\_P3 (domain: Flemish Heritage Institute)

Lab(s): Flemish Heritage Institute, Brussel, Belgium, Laboratory of Wood

Technology, Gent, Belgium Investigator: K. Haneca Type(s): datering, ecologie Category: paleo-vegetatie



#### Object Pottagh House

Type: House

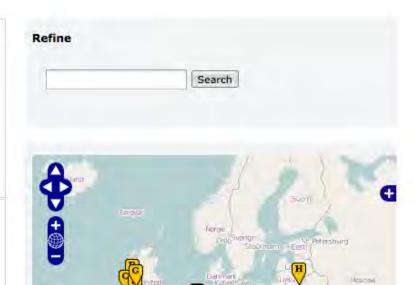
Project **Pottagh House, Co. Londonderry**ID: Pottagh House (domain: Pottagh House)
Lab(s): Queens University Belfast, Belfast, UK

Investigator: Mike Baillie

Type(s): dating

Category: built heritage





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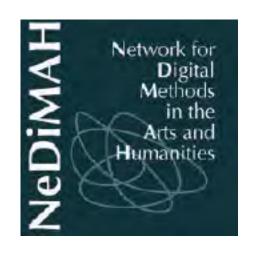
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## NeDiMAH Network of Digital Methods in the Arts and Humanities



ESF Research Networking Programme 2011-2015

Lorna Hughes

University of Wales Chair in Digital Collections, National Library of Wales

DARIAH Conference, Utrecht, April 2-3, 2012



Research Networking Programmes

### NeDiMAH: Network for Digital Methods in the Arts and Humanities

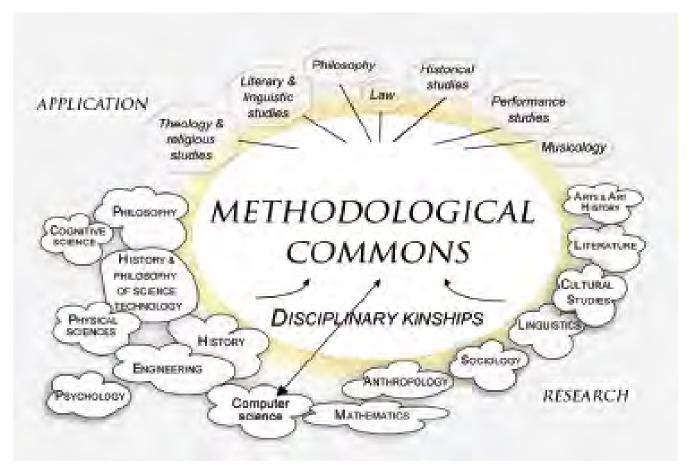
- Chairs: Lorna Hughes, UK; Fotis Jannidis, Germany; Susan Schreibman, Ireland
- Aim: to examine the practice of, and evidence for, advanced ICT methods in the arts and humanities
- Will develop activities and outputs on use of digital collections, ICT tools and methods; foster collaboration and engage researchers
- Support from 14 Member Organizations:
  - · Bulgarian Academy of Science, Bulgaria
  - The National Foundation of Science, Higher Education and Technological Development of the Republic of Croatia (NZZ), Croatia
  - The Danish Council for Independent Research Humanities (FKK), Denmark
  - The Academy of Finland Research Council for Culture and Society
  - TGE ADONIS National Centre for Scientific Research (CNRS), France
  - Deutsche Forschungsgemeinschaft (DFG), Germany
  - Irish Research Council for the Humanities (IRCHSS), Ireland
  - Netherlands Organisation for Scientific Research (NWO), Netherlands
  - Research Council of Norway (NCR), Norway
  - · Foundation for Science and Technology (FCT), Portugal
  - · National Council for Scientific Research, Romania
  - Swedish Research Council (VR), Sweden
  - Swiss National Science Foundation (SNF), Switzerland
  - UK Arts and Humanities Research Council (AHRC), United Kingdom

### Digital Research in the Humanities

- Research impact of digital collections
  - Greater access to source materials
  - Enabling new modes of collaboration and communication
  - Facilitating research that changes the paradigms of understanding and creates new knowledge:
    - o enabling research that would otherwise be impossible: addressing research
    - o questions that would have been impossible to resolve without the use of ICT tools.
    - asking new research questions, i.e. questions that are driven by insights that were only achievable through the use of new tools and methods.
    - facilitating and enhancing existing research, by making research processes easier via the use of computational tools and methods
  - Adds value to digital collections
    - Digital collections that are used for scholarship are more likely to be sustained
  - Based around communities of practice
    - Stakeholders include: researchers across the arts and humanities and scientific discipline;, librarians, archivists, cultural heritage staff, funders, technical experts, data scientists....
  - 'The new research that has been enabled by ICT...has depended upon the development of new kinds of
    resources, such as large corpora in literary, linguistic, musicological, and television and film studies domains,
    the digitization and digital-encoded representation of materials in classics, history, literature and history of art,
    and the creation of databases in archaeology and the performing arts. This recognition that the future
    generations of scholarship in the arts and humanities will depend upon the accessibility of a vast array of
    digital resources in digital form is becoming more widespread' (Hockey and Ross, Review of the AHRC ICT
    Methods Network, 2008)



### Understanding the "Methodological commons"

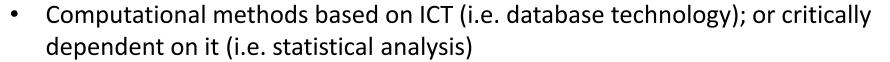


- •Technical methods from discipline areas outside the arts and humanities for representing and using content
- New modes of collaboration across disciplines and communities.
- A combination of data types, technical methods and multiple technologies
- •Formal methods for analysis and design of source data and modelling of possible technical approaches.
- Methods for working with large-scale data sources, and aggregating content from multiple collections/ sources.

### Core elements of the Methodological Commons

- Digital Content
- Digital collections and research outputs
- Methods
- Research methods for "scholarly primitives":
- discovering, annotating, comparing, referring,

sampling, illustrating, and representing digital content



- Tools
- Software to gather, analyze and/or process data.
- To enable existing (i.e. analogue) research processes to be conducted better and/or faster
- To enable researchers to ask, and answer, completely new research questions
- These are articulated in an ICT Methods Taxonomy in arts-humanities.net



### NeDiMAH: Building and documenting collaboration and communities

- Building the evidence base for digital research in the arts and humanities
- Documenting this evidence: mapping and articulating digital humanities via and international collaborative effort for a formal analysis and expression of the ICT methods that can be used for arts and humanities research
- Understanding how digital tools and methods sit within research practice and research lifecycle
- Understanding what has been done, what is still required at strategic level: Decreases in research funding: need to do more with less
- Build fora for cross-disciplinary, national and international collaboration
- Collaborate with supporting infrastructure for digital scholarship (DARIAH, CLARIN and Cyberinfrastructure initiatives)
- Build networks to take existing work forward in broader context
- Avoid national and disciplinary fragmentation

#### **NeDiMAH:** Activities

- Cross-disciplinary groups focusing on:
  - The ICT Methods Taxonomy
  - Impact of digital humanities on scholarly publishing for documenting and disseminating this work
- A series of Working Groups and Expert seminars investigating and modelling current practice on key methodological issues
  - Spatial and Temporal Modelling
  - Information Visualization
  - Linked Data (rather than ontological methods)
  - Corpora: Building and developing
  - Using Corpora: Information retrieval and modelling
  - Scholarly editions (rather than digital manuscripts
- A final Network Conference

### **Outputs**

- Two major online published outputs which will serve as reference resources for the scholarly community
  - Methodological commons map
  - ICT Methods Taxonomy
- Online archives related to the work of the Network; Network website;
   publications; papers and outputs from events.



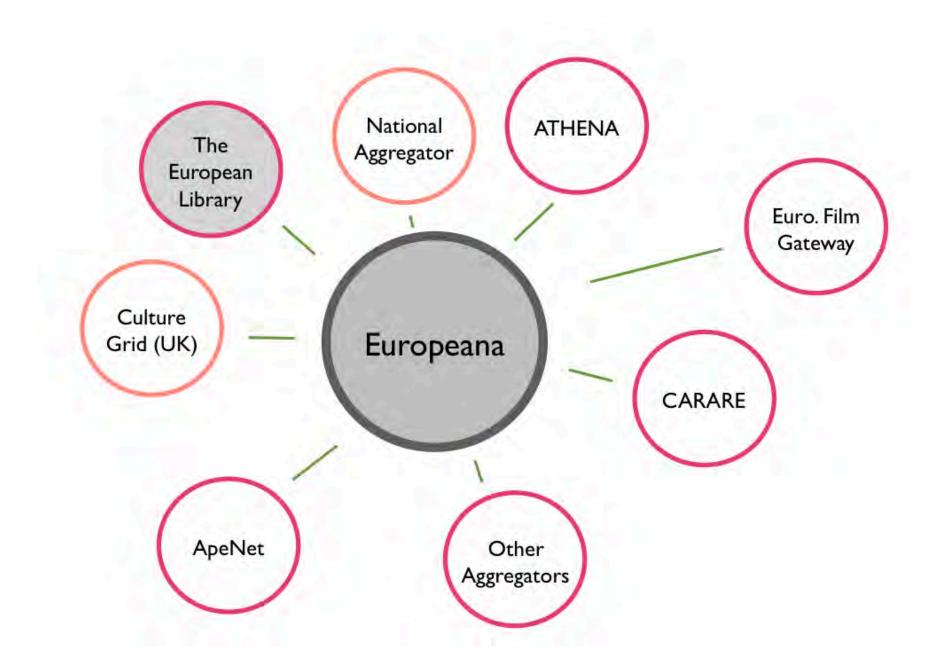
i used to work at the arts and humanities data service, the uk's, um, Trusted Digital Repository for arts and humanities datasets, after than i worked for jisc, running the uk digitisation programme, which included plenty of digital humanities projects.

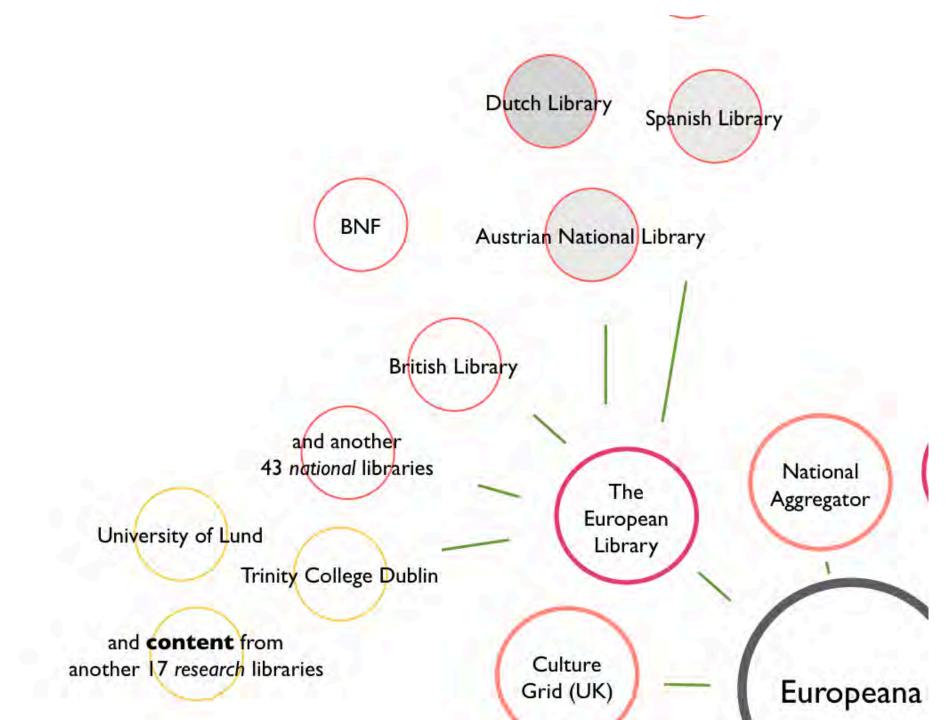
### where I work now:

the european library is a longrunning (in digital terms) piece of european infrastructure that can work with dariah the european library (tel) is a discovery service that aggregates the catalogues of 48 national libraries ...

# ... and therefore is a catalogue of all Europe's books

\* (not sure if this has ever been tested)





the european library now also aggregates and indexes full text (> 3m digitised objects) and wants to aggregate more, especially more research orientated content

also: recently-started Europeana Newspapers Online project, which will aggregate 18m pages of digitised newspapers

however, neither europeana nor the european library get much usage in higher education.

in europeana, the user experience is not quite fulfilling because the aggregated metadata is too generic

the functionality of the current service is also too generic, not focussed on the needs of academics

additionally, users are now used to the google full-text model of searching (rather than searching metadata)

nevertheless, the european library has many strengths. such strengths demonstrate why it should work dariah

indexing and aggregation: the european library has a powerful technical infrastructure, indexing over 100m records and over 3m digitised objects

(currently storage only not

metadata (basic): employs library standards for many records. they are a start.

critical mass: an odd term. but the quantity of european library data is amongst the highest in europe

network: the european library has established and sustained technical and social links with holders of content. e.g. libraries, archives

licencing: through the data exchange agreement (dea) we have a framework for sharing metadata (and can build on this for content)

sustainability: european library has an ongoing business model to sustain its service and content

\*( in as much as any public service is sustainable)

to recount: european library expertise in content indexing and aggregation infrastructure networking licencing sustainability

where we lack expertise: focussed content rich metadata tools / interfaces researcher / user engagement

- --> europeana research bid, with dariah
  - ingesting research content
  - developing TEL in the cloud
    - building tools and services
      - engaging users

in any case, developing an infrastructure that allows the DH community to build tools on the content we aggregate

### The European Library

An Existing Piece of Digital Humanities Infrastructure



### EHRI and DARIAH

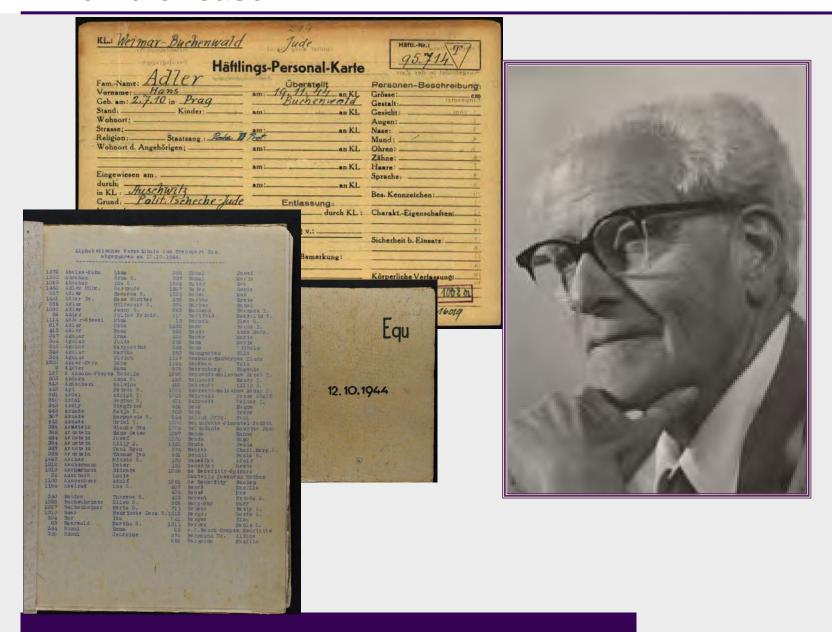
**DARIAH General VCC Meeting, Utrecht, 3 April 2012** 

**CONNECTING COLLECTIONS** 

### Hans Günther Adler (1910 – 1988)

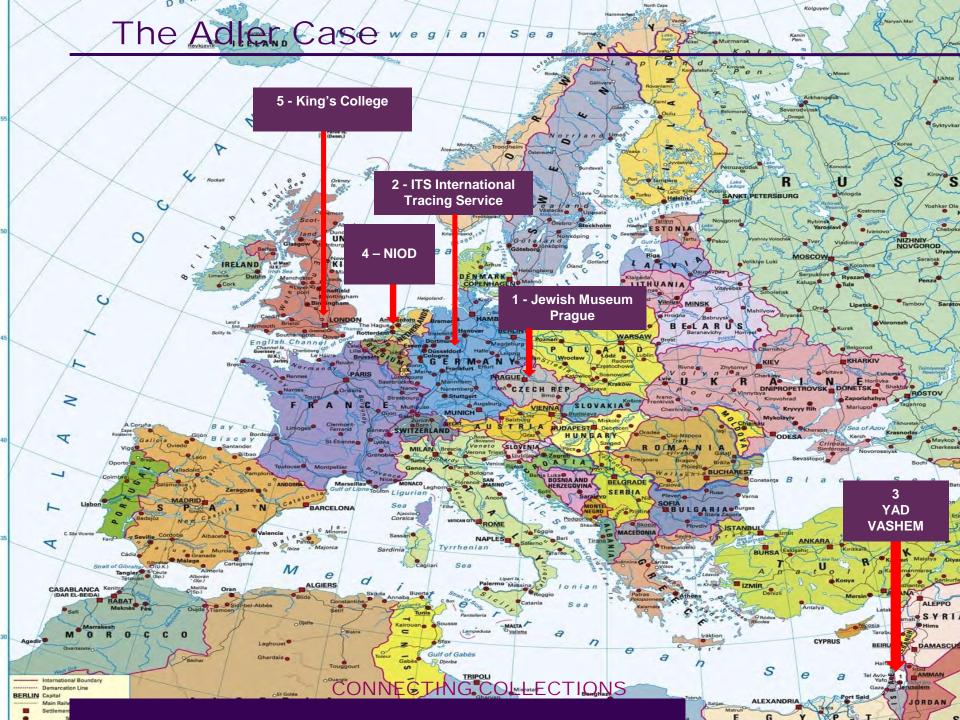


### The Adler case



### Hans Günther Adler (1910 - 1988)

- 1910 born in Prague
- February 1942 ghetto of Terezín/Theresienstadt
- 1944 Auschwitz and satellite camps of Buchenwald
- April 1945 liberated
- October 1945 Jewish Museum Prague
- February 1947 emigration to UK
- ❖ 1955 Theresienstadt 1941-1945. Das Antlitz einer Zwangsgemeinschaft



### Overlap between EHRI and DARIAH

### **Overall objectives EHRI**

➤ Improve access to Holocaust material

> Enable historiographical progress

> Facilitate collaborative research

### **Overall objectives DARIAH**

- ➤ Facilitate long-term access to, and use of A+H digital research data
- ➤ Facilitate exchange of knowledge, expertise, methodologies and practices across domains and disciplines
- >Stimulate that researchers experiment and innovate in collaboration with other scholars
- Stimulate that researchers work to accepted standards and follow best practices

### **About EHRI**

- research institutions, libraries, archives and museums/memory institutions (20 partners from 13 countries)
- interdisciplinary structure: historians, political and social scientists, archivists and digital research infrastructure specialists (DARIAH)
- different levels of digital maturity
- digital research workflows are only beginning to be introduced
- heterogeneity of data types (documents, objects, photos, film, art)

### **Supporting research into the Holocaust**

Finding and quoting digital sources (portals, searching and browsing, OCR and text mining services)

Creating and annotating digital content (guidelines for the creation of digital sources together with reference examples)

Preserving and disseminating content (unique identification of participants, persistent identification of objects and object annotations)

### Supporting research into Adler/Terezin

 Finding and quoting digital sources (portals, searching and browsing, OCR and text mining services)

EHRI portal points scholars to dispersed collections and enables them to search the collection descriptions and/or the individual items

Creating and annotating digital content (guidelines for the creation of digital sources together with reference examples)

#### Researcher can enrich the existing collections

 Preserving and disseminating content (unique identification of participants, persistent identification of objects and object annotations)

Persistent identifier helpful in working with photocopies

### Last but not least ...

- User-oriented (instead of data-oriented)
- Collaboration and communication between researchers and digital research infrastructure specialists
- Patience with introduction of digital research workflows
- New methodologies (comparative and transnational history, discuss specific Europeanwide themes and achieve a higher level of integrated scholarly results)



Digital Research Infrastructure for the Arts and Humanities

Wrap-up

Tuesday 3 April 2012

15:30 - 16:00

### Don't miss the train!





