The Digital Humanities Network of the UABCie: a smart structure of research and social transference for the digital humanities

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Introduction

Since the early years of the century and especially as a result of the global economic crisis, European public universities have seen the need to adapt its model to the new social and economic needs and to rethink their role in society not only based on their academic identity and as a provider of science and higher education, but also as a contributor to solve the main societal challenges of our times. In the field of research the current challenge is to ensure that research excellence translates into an economic, social and cultural growth for the region and that the public research can be accountable not only to the wide scientific world but also to the community and the country.

In 2010 the European Commission set up the Europe 2020 Strategy, aimed to achieve a smart, inclusive and sustainable growth. The Regional Smart Specialization Strategies identify priorities in which the region believe have potential to grow set up by the interaction of the quadruple helix. Universities are a key action in defining and implementing such strategies, and therefore, have had to make an effort to plan strategic plans that would enable alignment with these policies and European regions.
Objectives

The research groups and research centres involved in Digital Humanities of the Autonomous University of Barcelona want to increase the number of DH projects and their visibility. For these purpose a bottom-up network on DH has been created with the help of the VR of Research and Transference.

The Digital Humanities Network of the UAB and its Campus of International Excellence intends to effectively articulate the capabilities of research groups, research centres, scientific and technical services, technology parks and major infrastructures involved in research, education and dissemination activities in the Digital Humanities and its subset, the Digital Heritage.

The network pretends to increase the competitiveness of its members, joining efforts in terms of visibility, coordination of activities and sharing of resources and information.
The Cluster on Digital Humanities and Digital Heritage

- Community engagement / social development
- Transference / economic development
- Policy making
- Decision making
- Cultural policies
- Innovation
- Know how
- Research and transference
- Research and dissemination Centres
- Local and regional administrations
- SME’s
- Stakeholders
- Community engagement / social development

Social Transference

Sustainability
The university network

Around 25 Research Groups and Research Centres

Scientific Coordination:
Alicia Fornés – Computer Vision Center /Department on Computer Science
Ramón Valdès – ProLOPE /Department of Spanish Philology

Technical Coordination:
Oriol Vicente – Cultural Heritage research network – Strategic development unit

Governance model:
• 6 month assembly
• Email Discussion Group
# The network

## Main Activities

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## Main Fields

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Humanities Members

Research group of Renaissance and Baroque Art in Catalonia
Research group of Aesthetic Theory and Cultural Heritage Management
MUSC - Research Group on music in the contemporaneous societies
CHARTAE - Research Group on Documental Heritage
Manuscrits. Research Group on Modern History
Research group of Landscape and Cultural Heritage Management
GRAPAC. Applied Research on Cultural Heritage Group
SFI - Lexicography and Diachrony
Humanities Members

Agriculture Archaeology Group
AGREST – Archaeology of Social and Environmental Resources
LAQU - Quantitative Archaeology Lab.
Transmedia Catalonia – Universal Accessibility
Tradumàtica – Translation Group
LIGIT - Laboratory of Geographical Information and Remote Sensing
SAA – Laboratory of Archaeological Analysis
IEM - Middle Ages Institute
ICP – Catalan Institute of Paleontology
Humanities Library UAB
CEPAP – Centre of Prehistoric Heritage Studies
ESAGED - School on Archives and Document Management
ICT Members

IIIA - Institute of Artificial Intelligence Research
CVC - Computer Vision Centre
ETSE – School of Computer Engineering studies
CAIAC- Graphic Visualisation and Modelling
4 helix collaboration members

- Industry
  - Digital tech (Hp, Epson,..)
  - Media and Gamming (DIGITBCN,..)

- Government
  - Catalan Government
  - Diputació de Barcelona
  - Local Consortiums (Consorci de les Gavarres)
  - Municipalities

- Comunity
  - Formal education (schools,..)
  - Non Formal education (Museums, Interpretation Centres,..)
  - Associations and fundations
Training in Digital Humanities

- Master’s degree on Digital Humanities - UAB
- Master’s degree on Virtual Archaeology – Various Centres
- Master’s degree on Artistic Heritage/Digital Musicology-UAB
- Master’s degree Tradumática: translation technologies-UAB
- Entrepreneur program on Cultural and Creativity Industries-UAB
Dissemination Activities

- Presentation of DH Projects.
- Internal Workshops and Symposia
- Conferences by DH specialists
- Predoctoral oriented conferences by @XHD
The Future: Joint to International Associations
The Future: Digital Humanities Openacces Lab

- Faculty of Philosophy and Humanities
- School of Computer engineering
- University Research and Transference area
- Humanities Library
- Computer Vision Centre UAB-CSIC

A space of discussion and technology implementation in an open access space located in the Faculty. Research and user focused.
## Main Projects

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Digitization for preservation and research

Digital Library on Spanish Art History

Pianola Roll Digitizer

The Digital Archive of El Liceu Opera House

Personal Archive of Memory

Digitization and DB of written documentation concerning personal writings (diaries, autobiographies, etc.) of Catalonia and other Catalan-speaking territories
Research and innovation

DataBases

IberCrono

Radiometric Database for the Historical Chronology of the Iberian Peninsula

Atlas of Material Pathologies

Manuscripts, early printed, documents and secondary literature concerning Arnau de Vilanova and the corpus of medical texts, and spiritual alchemy that circulated under his name

Database of the musical catalogue of Catalonia. Department of Art and Musicology at UAB. The aim to facilitate free access to the content of the records cataloged
Research and innovation

Bibliographic DataBases

traces

Bibliographic database on catalan language and literature. Project born in 1987 produced by the Study Group on Contemporary Catalan Literature.

SIBHIL-LA

Bibliographic Information Service and Documentation of History, Language, Literature and Art of Catalonia.

Fons d’Història Local

Management, maintenance and difusión of Local History of Catalonia through a Bibliographical Database.
The Digital Repository of Documents UAB collects, manages, preserves and disseminates scientific, educational and institutional digital documents that are part of the collective collections of the UAB libraries. It brings together a wide range regarding media, themes and types of documents. DDD always includes metadata describing the resource and access to full text.

- increase visibility, access, use and impact of research results.
- facilitate the search to the scientific, educational and institutional UAB from a single tank.
- provide the university community with a platform for publication of their work in their full and open access.
- add value to documents by means of standardized citations, consultation statistics and permanent addresses.
- ensure access to long-term preservation mechanisms.
Research and innovation

Digital Museology
To investigate the complex interactions involving both humans and autonomous agents. Combining Social Simulation with Artificial Intelligence (A.I.) as a new way of collaborative preservation of history and culture.
Research and innovation

Digital Critical Editions

Free electronic journal dedicated to disseminate quality research on theoretical and methodological aspects related to digital publishing and diachronic corpus information in the Ibero-Roman languages (computerized development of textual databases, design and exploitation of Corpus, philological aspects of the design of corpus and of the digital edition, linguistic studies based on corpus, etc.)

La Dama Boba

Digital Critical Edition of the play "La Dama Boba" by Lope de Vega
Research and innovation

Open access Library Living Lab

The Library Living Lab – Barcelona (L3), is an open, participatory, experimentation and co-creation space, situated in the public library “Miquel Batllori” at the Volpelleres neighbourhood of Sant Cugat del Vallès, Barcelona, Spain. This Living Lab is a genuine bottom-up implementation of a people/public/private scheme.
Research and innovation

Automatic translation

Automatic translation of different languages on Apertium platform
Research and innovation

Automatic recognition of handwritten documents

Five Centuries of Marriages (5CofM)

ERC project of Historical Demography in the Barcelona Area
Research and innovation

Digital Archaeology and Digital Geography

SigArq

LAQu

ligit
Projects

Universal Accessibility

- Video Games
- Translation
- Museums
- Virtual Worlds
Research and innovation

Universal and collective knowledge – Viquipedia projects

- Viquiclàssics
- Arqueopèdia
- Catalan Musicians IFMUC
- ....
THX

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