The ITN-DCH Project
Overview and Scientific Work

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“To integrate, or not to integrate?”

- NOT Shakespeare
Video recordings  
Written records  
Oral histories  
Maps  
Religious ceremonies  
Dance  
Music  
Paradata  
Archaeological remains  

Online Content  
Metadata  
3D Models  
Photos  
Animations  
Thermal imaging  

ITN-DCH

Initial Training Network for Digital Cultural Heritage
Project Network

Academia

Research Institutes

Private Industry

Libraries and Museums
Fellows

20 PhD and postdoctoral researchers

Germany
Italy
United Kingdom
Spain
Switzerland
France

Belgium
Slovenia
Greece
Austria
Cyprus

Aim

The goal of the project is to develop a holistic framework that utilises the inter-sectorial focus of cultural heritage research while addressing all of the aspects which it entails, from tangible objects to intangible content.
Work Package Flowchart

WP1: Cultural Heritage Requirements and Metadata

WP2: Scalable Data Acquisition in CH

WP3: Data pre/post processing, Computer Vision & computational geometry

WP4: Semantic, Symbolic & Conceptual Representation

WP5: Digital Cultural Heritage e-Services

WP6: Cloud Services in Digital Cultural Heritage

WP7: Dissemination, Outreach, Exploitation and Standardization Actions

"This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no 608013."
Case Studies

Asinou Church, Cyprus

Donaustauf Castle, Germany

Ilmendorf Archaeological Site, Germany

Carnuntum Archaeological Park, Austria

Asinou Church, Cyprus
UNESCO World Heritage Site

Constructed in 12th century

Previously documented and investigated
This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no 608013.
Project Secondments

Supervisor: Dr. Marinos Ioannides
Fellows: Matthew Vincent
          Chance Coughenour

Supervisor: Michael Klein
Fellows: Marleen de Kramer
          Simon Senecal
          Chance Coughenour

Web Portal
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Augmented Reality Application
Project Secondment

*ArcTron* 3D
Expertise in Three Dimensions

Supervisor: Martin Schaich

Fellows: Diego Bellido Castaneda
Matevz Domajnko
Chance Coughenour
Marleen de Kramer
Rossella Suma
Magda Ramos
Ellie Stathopoulou
Anais Guillem

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Donaustauf Castle, Germany

Credit: ArcTron3D

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Data Acquisition

Riegl VZ-2000
Visit with Site Historian

Close Range Photogrammetry
HDR Imaging

Ilmendorf Archaeological Site

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Belt Plate Reconstruction (draft)

Credit: Marleen de Kramer, 7reasons

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Project Secondment

Supervisor: Prof. Dieter Fritsch

Fellows: Diego Bellido Castaneda
Ellie Stathopoulou
Magda Ramos Calle
Chance Coughenour

Carnuntum Archaeological Site

Credit: 7reasons
Carnuntum Archaeological Site

Conclusions