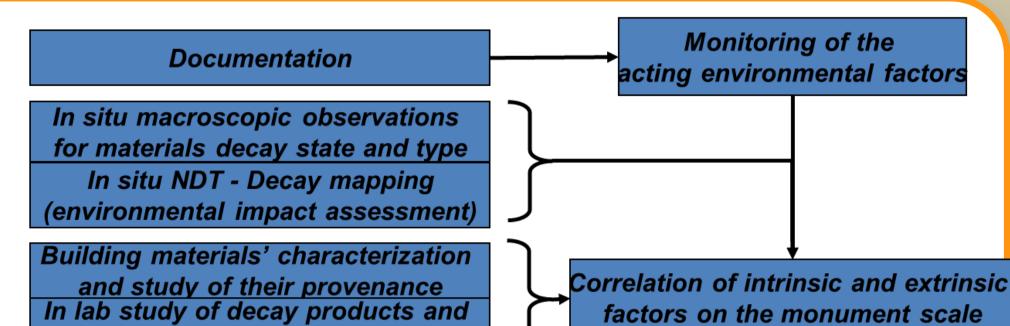
ITN-DCH www.itn-dch.eu Initial Training Network for Digital Cultural Heritage

MANOLIS ALEXAKIS, ESR15

Computer Aided Cultural Heritage Protection and Documentation of Monuments

Non-Destructive Testing for Decay Diagnosis





- Infra-Red Thermography (IRT)
- Fiber Optical Microscope (FOM)

3D Reconstruction of Monuments

- Micro and Macro Scale
- Data Fusion

 mechanisms (microscopic scale)

 Working hypothesis on the prevalent acting environmental factors and decay mechanisms

 Parametric analysis - Simulation of the phenomena under accelerated ageing (comparison of various scenarios)

 L - - → Assessment Methodology

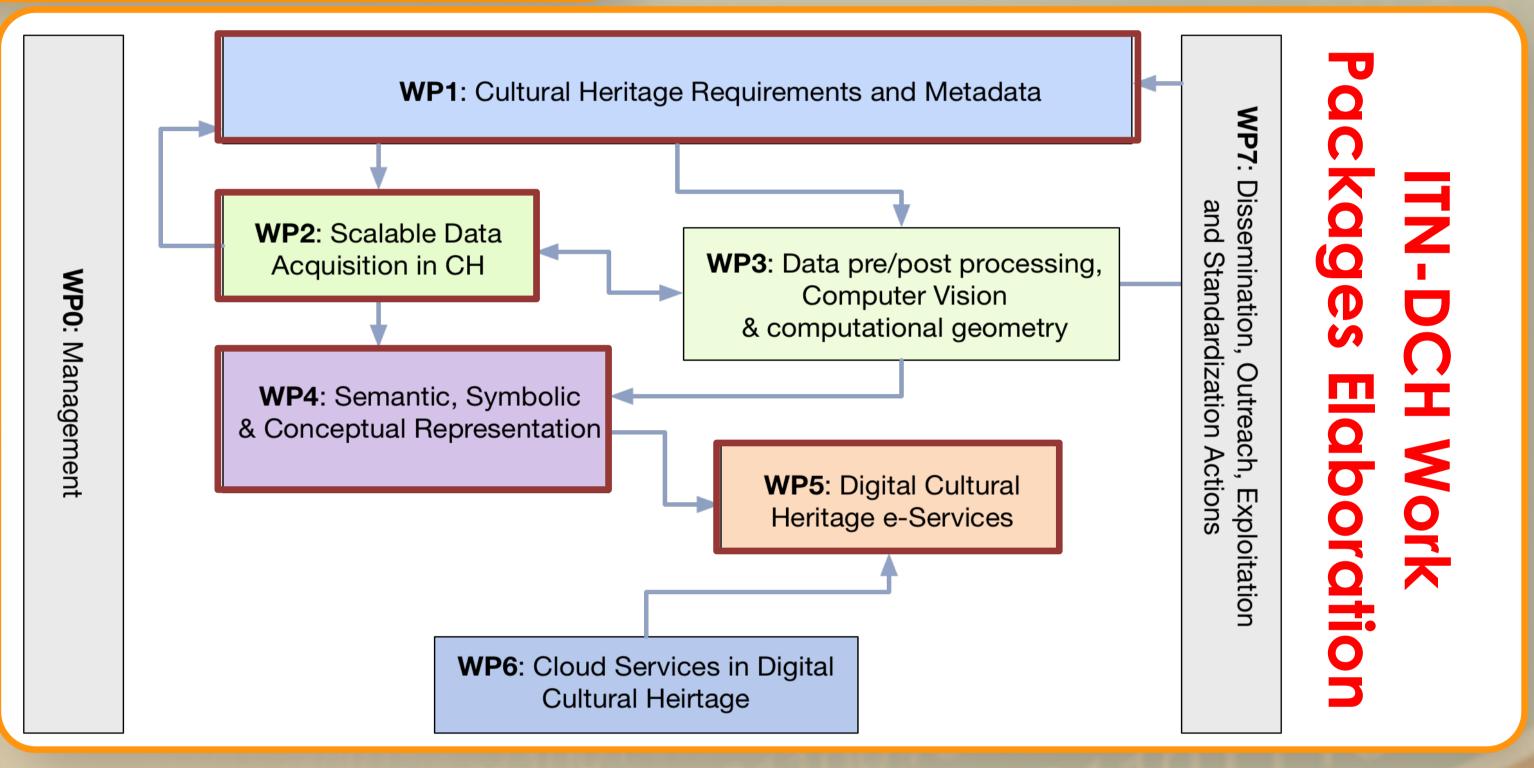
Integrated Diagnosis Methodology

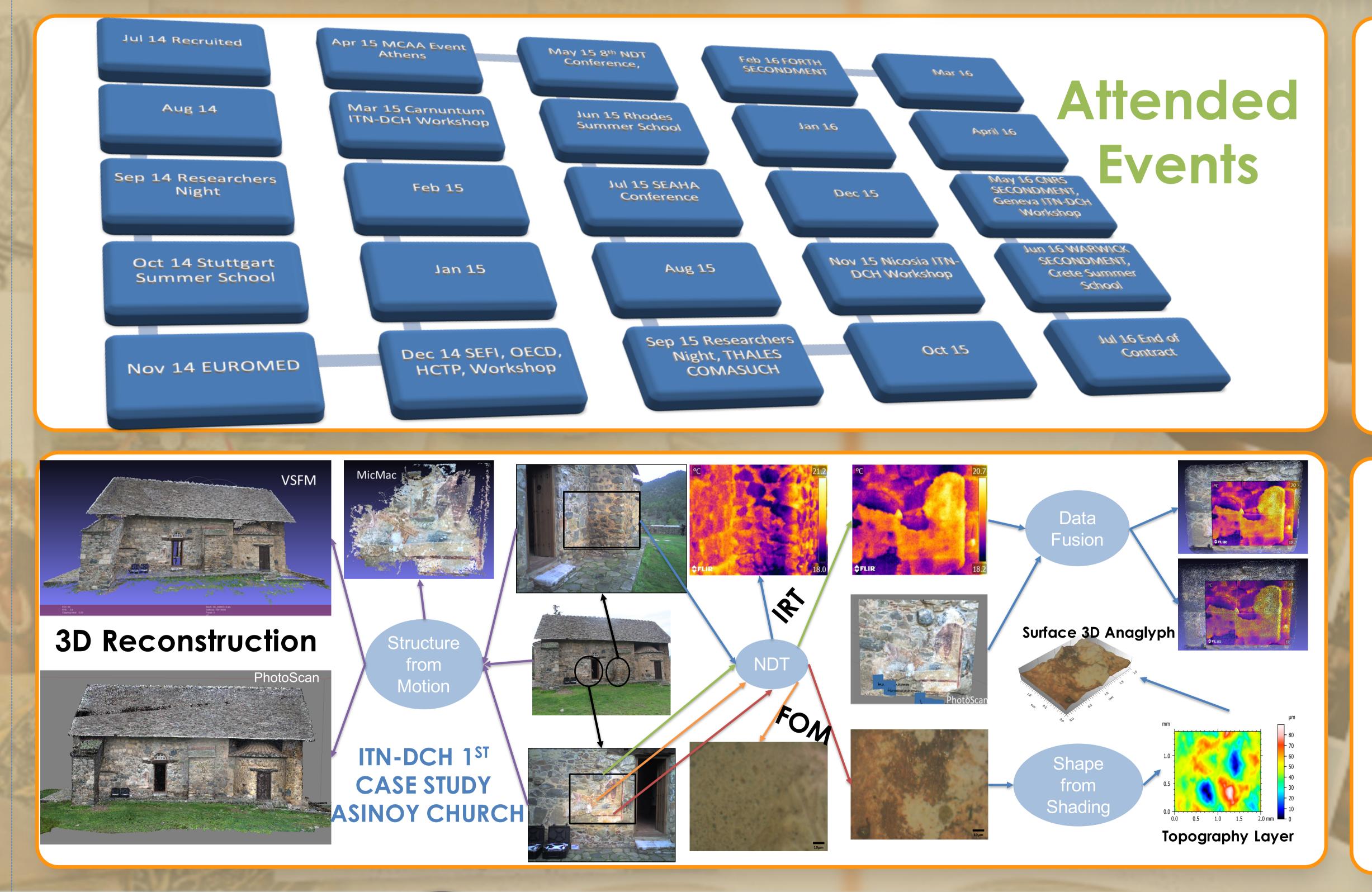
Educational Background

- Diploma in Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece
- MSc in Sustainable Energy Technology, Delft University of Technology, Netherlands

Work Experience

- Academic Assistant in the Reactor Institute of Delft, Netherlands
- Freelancer in Energy Companies from the Construction Sector, Brussels (Belgium), Heraklion, Crete (Greece)





Publications

- 8th National Conference of Non Destructive Testing 2015, Athens
- 6th Conference on Emerging Technologies in Non-Destructive
 - Testing 2015, Brussels
- SEAHA 2015, London
- THALES COMASUCH
 2015, Athens

Secondments

- FORTH
 - Semantics and Metadata
 - RDF Database Systems
- CNRS
 - Geometric

Documentation

- Data Annotation
- University of Warwick
 - **3D Modelling**
- Long Term Objective Acquire my Doctorate

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Country of Origin Host Country

Host Institution

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