



Short Bio: Stavroula Konstantopoulou is a PhD candidate in Classical Philology at the University of Valladolid (Spain) and a research assistant in the project *Dodona Travels to Ithaca: Artificial Intelligence Applied to the Edition of Greek Inscriptions* (NextGenerationEU), under the supervision of Dr. Elena Martín González.

She holds an MA in History from The Ohio State University (USA) and a BA in Archaeology from the University of Crete and recently completed a postgraduate degree in *Greek Alphabetic Scripts, Writing Materials and their Contents* (Democritus University of Thrace & National and Kapodistrian

University of Athens). She has nearly two decades of experience at the Center of Epigraphical and Paleographical Studies at The Ohio State University, where she worked as an external collaborator on the Packard Humanities Institute's Greek Inscriptions database (PHI).

Within the *Dodona Travels to Ithaca* project, she works in close collaboration with the project's principal researcher, Dr. Elena Martín González, on the development of a "hybrid" digital critical edition that combines traditional philological analysis with AI-assisted restorations, dating, and geographical attributions.

Her doctoral research focuses on the oracular tablets from the sanctuary of Dodona and the early 20th-century excavation journals documenting their discovery, particularly the handwritten notebooks of Dimitrios Evangelidis. It combines philological, archaeological, and archival approaches with digital methodologies to make the excavation notebooks accessible in both analogue and digital form. This includes careful transcription, the use of Handwritten Text Recognition (HTR) technologies, and the development of interoperable metadata and TEI/EpiDoc-based annotation workflows that enable the systematic linking of textual, visual, and contextual information.

Description of activities during the research stay at TALOS

During my stay at TALOS, my work will focus on the methodological integration of AI technologies into the study of Greek epigraphic and archival material, within the framework of the project *Dodona Travels to Ithaca: Artificial Intelligence Applied to the Edition of Greek Inscriptions* (NextGenerationEU) and my doctoral research at the University of Valladolid.

As part of this work, I will prepare and deliver a research presentation on the application of AI technologies to the study and re-examination of the oracular tablets from Dodona, with particular

attention to the use of AI-assisted textual restoration models such as Ithaca (<https://predictingthepast.com/>). The presentation will examine how such models can be integrated into editorial research workflows, while also reflecting on their methodological potential and limitations.

Building on this discussion, the presentation will turn to the combined analysis of the epigraphic corpus and the early 20th-century excavation archives from Dodona compiled by Dimitrios Evangelidis, using them as a case study for bringing archival documentation into dialogue with AI-assisted approaches. It will explore how excavation diaries provide contextual information that is essential for interpreting the oracular tablets along with AI-based tools and traditional philological analysis.

Through this approach, the presentation aims to contribute to the reconstruction of the archaeological and documentary context of the tablets and to enhance the visibility and accessibility of the information preserved in the excavation archives, supporting its systematic integration into the critical study of the oracular inscriptions from the sanctuary of Dodona, through comparison with the published edition of the corpus (2013).

In parallel, I will collaborate with TALOS researchers on methodological questions related to the application of Handwritten Text Recognition (HTR) technologies to handwritten archival documents, the alignment of transcriptions with structured, interoperable metadata, and the use of TEI/EpiDoc-based annotation to link textual, material, and contextual information.