

INTRODUCTION

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- Background: digital humanities, English studies, mathematics
- Founding member of DARIAH Bibliodata WG (15 countries)
- Supported by 22 cultural heritage institutions (e.g. national libraries)
- AVOBMAT - Analysis and Visualization of Bibliographic Metadata and Texts) digital tool - avobmat.hu
- Aim: critical and interactive analysis of bibliographic metadata AND texts with data-driven and NLP methods supported by AI techniques in several languages



PROJECT IDEA

- **Aim:** develop a shared digital humanities platform / lab for exploratory analysis
- Multilingual, user-friendly, web-based & open-access
- Text-, datamining & enriching content and metadata stored by cultural heritage institutions (e.g. library collections at scale)
- Comparative analysis over time (e.g. topic modelling, n-gram viewer, named entity recognition) with interactive visualizations
- Facilitate innovative user-led digital research
- Digital platform can be used in SSH education and training



RELEVANCE TO THE CALL

PRESERVING AND ENHANCING CULTURAL HERITAGE WITH ADVANCED DIGITAL TECHNOLOGIES

- Building shared digital infrastructure
- Support the development & application of digital tools to make cultural heritage widely accessible through cutting-edge technologies
- Support comparative analysis with artificial intelligence, including analysis across time
- Innovative approaches to R&I including user-led innovation
- Foster the digital transformation of cultural heritage institutions
- Improve innovation and knowledge exchange in the cultural sectors
- **HOW** to preserve & safeguard cultural heritage & engagement with public stakeholders → DARIAH Bibliodata WG (forthcoming report)

