

# DARIAH DAY SLOVAKIA 2023

**6th of October 2023, 9:00 AM  
Institute of Ethnology and Social  
Anthropology SAS  
Klemensova 19, Bratislava  
(Meeting room 5th floor)**

Presentation of the representative of  
the DARIAH-EU, and of digital  
research infrastructures in the  
humanities and arts in Slovakia



Ústav etnológie  
a sociálnej antropológie  
Slovenskej akadémie vied, v. v. i.





# PROGRAM

## **Edward J. Gray**

What even is a Research Infrastructure, anyway? : How RIs like DARIAH enable and lift up researchers

## **Miroslav Zumrík**

Resources and tools of the Slovak National Corpus

## **Marek Debnár**

Digital collection of Slovak prose (DISPRO)

## **Michal Čudrnák**

Digital collections that work: creating digital services and products at lab.SNG

## **Eva Veselovská**

The medieval musical sources from Slovakia and Austria in the digital world

## **Ján Valo**

PamMap.sk - a comprehensive memory portal

## **Andrej Gogora - Tomáš Kubisa**

Thematic ethnological research collections of IESA SAS

## **Juraj Podroužek - Marián Šimko**

KInIT - presentation of the institute and NLP + ETHICS teams

## **Michal Sliacky**

Digital humanities research in the academic world: The role of scientific libraries and information resources



**Edward J. Gray** is the Research Infrastructure Coordinator at the IR\* Huma-Num (CNRS) and the Officer for National Coordination at DARIAH ERIC. He is currently on the Editorial Board for the SSH Open Marketplace, a discovery platform for digital humanities tools and services. He earned his doctorate in history from Purdue University. While a doctorant invité at the École nationale des chartes in Paris, he earned a master's degree in Technologies numériques appliquées à l'histoire, where he is now chargé de cours and president of the Master's alumni association. Edward was the Digital Humanities Coordinator at the Maison Européenne des Sciences de l'Homme et de la Société in Lille.



## **What even is a Research Infrastructure, anyway? : How RIs like DARIAH enable and lift up researchers**

Researchers are busy people, torn between various professional duties. They are by necessity ruthlessly efficient in time management, having to make judgements on what helps them reach the various impending deadlines which they face on a weekly basis. In this charged atmosphere, which is only exacerbated by the cycle of chasing after grant money and limited-term project funding, research infrastructures (RIs) can pass by unseen and underutilized, due to lack of familiarity. Indeed, like any infrastructure, it is often only seen when it is not working. This talk will propose an introduction to why researchers should dedicate their precious time to understand what RIs have to offer, using concrete examples of how DARIAH-EU helps lift up SSH researchers, providing a Europe-wide platform for cutting-edge tools, knowledge-exchange, and networking that enable ground-breaking research.

DARIAH-EU

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**Miroslav Zumrík** is a researcher at the Department of the Slovak National Corpus of the Linguistics Institute of L. Štúr Slovak Academy of Sciences, and assistant professor at the Department of German Studies, Dutch Studies and Scandinavian Studies, Faculty of Philosophy, Comenius University in Bratislava. He deals with research on legal texts, terminology, philosophy of linguistics, and the contemporary Norwegian novel. He translates fiction, non-fiction, and children's literature from Norwegian, Swedish and Polish.



### **Resources and tools of the Slovak National Corpus**

The presentation is focused on language resources and tools offered by the department of the Slovak National Corpus (SNC), respectively the Linguistics Institute L. Štúr SAS. Registrants are interested in searching not only in the main corpus of contemporary Slovak texts but also in several parallel (multilingual) corpora and in corpora of specialized texts, such as legal regulations or court decisions. The combination of available SNC corpus tools for determining frequency and distribution can be used to obtain helpful information for the needs of experts (linguists, lexicographers, terminologists, translators, and others) and the general public.





**Marek Debnár** is associate professor in aesthetics (habilitation thesis: Quantitative approaches to text against the background of Digital Humanities). Since 2005 he worked at Slovak National Corpus, where he focused on style-genre annotation, implementation of metatext data and generating thematically and genre-specialized sub-corpora. He was the head of Centre of Digital Humanities at Faculty of Arts, Constantine the Philosopher University in Nitra (2020-2022). He focuses on the methodology of quantitative formalism in text analysis and distant reading in the wider interdisciplinary use within digital humanities.



### **Digital Collection of Slovak Prose (DISPRO)**

The presentation is focused on the project Digital Collection of Slovak Prose (DISPRO) that applies interdisciplinary research in digital humanities and literary studies. The aim of the project is to create an online accessible and comprehensively annotated full-text digital collection of Slovak prose until 1951+. The digital collection of literary texts of this scope and characteristics is still absent in Slovakia, which is especially felt by literary scholars and the wider professional public. Part of the collection will be processed and annotated according to European standards (ELTeC) so that it can be applied to advanced methods of computer processing of literary texts, generally referred to as "distant reading".



**Michal Čudrnák** has been working on digital projects for cultural organizations in Slovak and Czech Republic for almost two decades. At lab.SNG (a R&D unit at Slovak National Gallery), he has been overseeing the development of Web umenia (<https://www.webumenia.sk/en> - online catalogue of artworks from Czech and Slovak galleries), along with web apps for exhibitions, digital services and projects like CEDVU - collection management system for Slovak galleries.



### **Digital collections that work: creating digital services and products at lab.SNG**

When the Slovak National Gallery started a large-scale digitization project in 2011, we had to decide how to handle the output. At lab.SNG, our research and development unit, we chose to develop our own online collections. Web umenia ("Web of art") has become a comprehensive open-source digital product, showcasing artworks from Slovak and Czech galleries. We also offer customized online collections and digital services like image orders. Our goal is to serve the needs of our visitors and users and reflect them in further development of our digital services and products.





**Eva Veselovská** is Head of the Department of Music History of the Institute of Musicology SAS. She works in the field of musical culture in Central Europe, focusing on the Middle Ages and musical fragments (ed. *Catalogus fragmentorum* etc.). She is the founder and main coordinator of the databases Cantus Planus in Slovakia (<http://cantus.sk>) and the Medieval Music Manuscripts from Austrian Monasteries (<http://austriamanus.org>), which are parts of the Cantus Index (<http://cantusindex.org>) global network.



## **The Medieval Musical Sources from Slovakia and Austria in the Digital World**

The presentation is focused on the system and methodology of processing medieval notated manuscripts through two databases of the Institute of Musicology SAS: 1. the Cantus Planus in Slovakia – Slovak Early Music Database (<http://cantus.sk>), a national database of medieval music from the territory of Slovakia and 2. Medieval Music Manuscripts from Austrian Monasteries Database (<https://austriamanus.org>). Both databases are part of an international Cantus Index Network of medieval liturgical texts and music sources (<https://cantusindex.org/>). In a complex and comparative way, the databases processed the fragmentary and complete sources of plainsong in Slovakia and Austria from the eleventh to the early sixteenth centuries.

**Ján Valo** currently works at the Comenius University in Bratislava, Faculty of Arts, Department of Archival science and Museology. Professionally and scientifically, he is focused to the so-called modern auxiliary historical sciences - historical geography, historical demography, historical cartography, but also archival science, registry administration and document management, and modern diplomacy. He has experience not only from the academic environment, but also from the public and corporate spheres.



### **PamMap.sk - a comprehensive memory portal**

The presentation intends to introduce the comprehensive memory portal PamMap.sk in terms of wide impact, great importance and user-friendly functionalities that are available to the general public. The memory portal presents digitized objects not only of cultural and historical heritage from various memory and fund institutions, but also places emphasis on private individuals and various collectors. Currently, the portal focuses not only on Bratislava and Košice, but also on other Slovak municipalities and cities. The portal has no plans to limit or define itself.





**Andrej Gogora** is a researcher and Head of the Research Collections Department IESA SAS. He is engaged in basic research on the methodological foundations of digital humanities. In applied research, he is involved in building digital textual and image collections of ethnological research reports. He is the coordinator on behalf of the IESA SAS as a cooperating partner of the DARIAH-EU.



**Tomáš Kubisa** works as a specialist staff of the Institute of Ethnology and Social Anthropology SAS, being the archivist and administrator of research collections. He focuses on the management of research collections, the cataloging of documents, the digitization process, archival research, applied archival science, and digital ethnology.



### **Thematic ethnological research collections of IESA SAS**

The Research Collections IESA SAS have been operating since 1953 and provides documentation, information, and technological support for research activities. It includes extensive textual, pictorial, and multimedia documents. In addition to rare materials collected by our staff in the process of field research, they contain a rich collection of photographs and drawings; questionnaire survey of the Ethnographic Department of Matica Slovenská; a unique collection of folk tales compiled under the direction of F. Wollman; questionnaire material of the Ethnographic Atlas of Slovakia; specialised collections of ballads, proverbs, and other folk genres.

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**Juraj Podroužek** leads Ethics team in KInIT. He achieved a PhD in philosophy and conducted research in semantics and analytic philosophy at the SAS. In recent years, he has focused on the ethics of ICT, data ethics, and AI ethics. He co-founded the organization E-tika, investigating the ethical and societal impact of ICT. He is also a member of the national committee on the ethics and regulation of AI.



**Marián Šimko** is deputy director in KInIT and leader of the research team focusing on Natural Language Processing. He works on automatic processing of text data. His team collaborated on the first public large language model SlovakBERT, helps companies develop solutions for better Slovak language processing, and is currently participating in several European projects focused on text processing.



### **KInIT - presentation of the institute and NLP + ETHICS teams**

Kempelen Institute of Intelligent Technologies is an independent, non-profit research institute that conducts cutting-edge research on intelligent technologies, focusing on artificial intelligence and its intersections with other disciplines. NLP team focuses on open problems related to text classification, information extraction, sentiment analysis and text generation. They look for applications of transfer learning and improving the interpretability of NLP models and their work includes the processing of low-resource languages, such as Slovak. The ethics team focuses on the impacts of intelligent technologies and on the proactive identification of associated risks to align technologies with human values, such as fairness, autonomy, and transparency.

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**Michal Sliacky** is at present the director of a scientific library - The Central Library of Slovak Academy of Science. He has 10 years of experience as head of the e-resources support department, including working in the information technology and information services industry. He is skilled in Open Science, Information Research, Library Management, Library Science and Digital Libraries.



## **Digital humanities research in the academic world: The role of scientific libraries and information resources**

Advanced scientific libraries play a crucial role in supporting digital humanities research by providing tools and resources for data analysis, text mining, visualization, and other computational methods. They help to bridge the gap between traditional humanities research and the capabilities of modern data-driven analysis. But let's go back to our Slovak Academy of Science environment and to our Central Library. What can we really do for DH support and what we actually do? Help us to understand what do you really need in this field and support us to catch up with advanced scientific libraries in the world.

