

Name: Digital Research Infrastructure for Language Technologies, Arts and Humanities

Acronym: LINDAT/CLARIAH-CZ

Host Institution: Charles University

Partner Institutions

The Institute of Philosophy of the Academy of Sciences, Czech Republic, v.v.i.

The Institute of History of the Academy of Sciences, Czech Republic, v.v.i.

Library of the Academy of Sciences, Czech Republic

Masaryk University

Moravian Library in Brno

National Film Archive

National Gallery Prague

National Library of the Czech republic

Czech Language Institute of the Academy of Sciences, Czech Republic, v.v.i.

University of West Bohemia in Pilsen

Principle Investigator: prof. RNDr. Jan Hajič, Dr.; hajic@ufal.mff.cuni.cz

Phase: operational

Type: distributed

Website: <http://lindat.cz>

Roadmap entry: 2010

Status on Roadmap ESFRI 2018: landmark

Motto:

An open access to language resources and other data and services for the support of research in digital humanities and social sciences

Characteristics:

LINDAT/CLARIAH-CZ has been established as a unification of two research infrastructures, LINDAT/CLARIN and DARIAH-CZ. It is a unique research infrastructure, which deals primarily with language data but also with other digital resources and tools for their exploitation, maintenance and enhancement and offers them to research community, to industry for the development of applications and in specific cases, such as e.g. language culture, also directly to the public domain.

LINDAT/CLARIAH-CZ is a joined, distributed Czech national node of the pan-European [CLARIN ERIC](#) (Common Language Resources and Technology Infrastructure) and [DARIAH ERIC](#) (Digital Research Infrastructure for the Arts and Humanities) networks. It consists of 11 top research organizations that are active in the domain of humanities and arts in the Czech Republic – in linguistics, history and historical bibliography, culture and science on culture, history of arts, philosophy, film culture, visual arts, musicology and history of music, ethnology, folklore, archaeology and also in some cross-disciplinary domains.

The aim of LINDAT/CLARIAH-CZ is to allow for an open-access to digitized data resources of the given disciplines for broad research community and for students both in the Czech Republic and in EU and at the same time to obtain access to similar resources available in the pan-European networks CLARIN and DARIAH. LINDAT/CLARIAH-CZ takes part in the international cooperation between infrastructures of a similar type and also directly between the relevant institutions in all branches of humanities and puts an emphasis on digital and interdisciplinary processing methods, including modern methods of machine learning and artificial intelligence. An integral part of LINDAT/CLARIAH-CZ activities consists also in an analysis of legal aspects of the use of resources from the domain of humanities with regard to possible legal restrictions concerning authorship rights and to the minimization of the impact of these restrictions on research work. LINDAT/CLARIAH-CZ also offers know-how and provides software tools for the processing of language resources and other digital data. It is also involved in the development of language technologies serving the needs of industry, and provides services, including those concerned with the exploitation of these services in cultural and creative branches of industry.

Socio-economic impact:

Culture, arts and humanities together are an important component part of national identity and are crucial for education on all levels of the school system. LINDAT/CLARIAH-CZ develops modern digital technologies and offers them to serve both for a top research in the humanities as well as for general public. One of the consequences of these efforts is also a larger involvement of Czech teams into international research activities and the emphasis on the acknowledgement of Czech Republic as a culturally rich country, which is able to make its history and heritage accessible by modern methods. In the domain of languages and multimodal technologies and artificial intelligence the data and services of LINDAT/CLARIAH-CZ represent a fundamental support for digital economics and for a broader involvement of the Czech Republic in European economy thanks to the overcoming of present-day language barriers. LINDAT/CLARIAH-CZ offers an opportunity for industry and public institutions to collaborate with research institutions and to obtain an access to knowledge and resources in the domains concerned by means of application projects.