TextGrid: Creating, archiving, publishing and exploring humanistic research data via a Virtual Research Environment (VRE)



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The Virtual Research Environment TextGrid supports scholarly work in the humanities with digital methods, tools, and services. It enables the collaborative creation and processing of research data. Besides the large, individually adaptable and extensible range of software applications of the TextGrid Laboratory, the TextGrid Repository offers the required storage capacity as well as permanent, secure and citable long-term archiving.

Sources

Digitial research data

- XML/TEI-encoded text
- Image files such as high resolution facsimile scans, manuscripts, or works of art
- Musical score
- Databases
- [...]

TextGrid Laboratory



- Import / Export
- Text Image Link editor Metadata editor
- Search tool Navigator
- Aggregations
- Dictionary search User and project

administration

XML editor

Plus MarketSpace (external tools optimised for usage in TextGrid, such as the oXygen XML editor)

MarkUp (XML/TEI)

Metadata

- XMLstructures
 - Text Encoding Initiative (TEI)
 - Music Encoding Initiative (MEI)
- TextGrid object model
 - Metadata for a differentiated hierarchical object structure
- Visual interface

TextGrid Repository



Long-term archive and accessibility of research data

Sustainable long-term preservation (bitstream preservation)

Citability (persistent identifiers)

Powerful search and analytics engine (ElasticSearch)

Open interfaces for interoperability (REST, SOAP, OAI-PMH, IIIF)

Text analysation and visualisation tools (such as VOYANT/DIGIVOY, CollateX)

Image viewing and annotation services (such as digilib, Mirador)

Online Portal

SADE (Scalable Architecture for Digital Editions) offers the transfer of research data into an indexed and searchable eXist database.

Further processing

e.g. print publication via XML PRINT











create · ingest



















explore

store · share ·







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