ENCODE

BRIDGING THE <GAP> IN ANCIENT WRITING CULTURES
ENHANCE COMPETENCES IN THE DIGITAL ERA

Linked Open Data for Written Artefacts Intensive Training

26th–28th May 2021

We encourage registrations for the second ENCODE intensive training on **Linked Open Data for Written Artefacts** based on Ethiopian manuscripts and inscriptions that will be held from

26th to 28th May 2021

at **The Hiob Ludolf Centre for Ethiopian and Eritrean Studies** of the **University of Hamburg**, in cooperation with the **Beta maṣāḥəft project**. The training will take place on Zoom.

The intensive training is restricted to a maximum of 18 participants and is organised by Pietro Liuzzo and Daria Elagina (Universität Hamburg).

The training will introduce participants to basic Linked Open Data technologies and show techniques to produce, store, visualize, query, reuse and share data as Linked Open RDF data.

Based mainly on the experience of the Beta maṣāḥəft project, the training will use examples from epigraphy, codicology and papyrology and will welcome further diverse datasets to be connected from those of relevance for the participants. No specific previous knowledge is required.

All participants will receive a participation certificate. Students of ENCODE partner universities should contact the local coordinators to include the workshop in their curricular activities and receive ECTS credits upon completion of the training requirements.

Training Programme (flexible)

The workshop programme will be tailored on the participants as much as possible. It may change after the participants list is closed. It will be certainly made more precise and modules will be described in the ENCODE database.

Wednesday 26 May 2021—The Semantic Web of Data

Morning

- Introduction
- Introduction to RDF
- OWL and Ontology design basics (Protégé)

Afternoon

- SPARQL queries and responses
- Irene Vagionakis (UNIBO) on EFES and RDF

Thursday 27 May 2021—Using RDF data and reusing it

Morning

- Wikidata, Hypothes.is Annotations and data reuse
- Apache Jena Fuseki

Afternoon

- Modeling Data (Epigraphy and Manuscripts)
- Tom Gheldorf (KU Leuven) on Trismegistos and LOD

Friday 28 May 2021—Modeling RDF and visualizing Linked Open Data

Morning

- CIDOC CRM
- IIIF
- DTS

Afternoon

- Palladio, Pelagios Linked Places model, linking, storing, referring to (Zenodo, w3id.org, DOI)
- Massimo Magnani (UNIPR) on Digital Editions and their impact on methodology

Learning outcomes

At the end of the training, participants will have received initial training to be able to

- Understand RDF structured data, query RDF with SPARQL, and visualise data returned from a SPARQL Query
- Know the main standards (IIIF, CIDOC CRM, DTS) and guidelines used in the field of interest and know where to retrieve further documentation
- Know basic tools available to produce RDF and OWL data (Protégé, Atom)
- Transform data to RDF (Xtriples) and store it (Fuseki)
- Use with ease some simple reference materials (Wikibase) and annotation tools (Hypothes.is, Zenodo)
- Apply simple models to their data to produce RDF and use it to answer simple questions
- Analyse inquisitively the results of the process
- Understand the scientific processes and workflows involved with the modeling and querying of RDF data
- Understand and apply to their own needs the best practices of Linked Open Data.

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Application

To participate in the training, apply before **31st March 2021** with an email to **pietro.liuzzo@uni-hamburg.de** including:

1) Name, surname, ORCID.[1]

2) 1 brief paragraph description of your interest in participating and an idea of an individual project, which you would like to pursue during the training.

3) 1 brief paragraph description of previous experiences in one or more of the following areas:

- Source Identification—Identify Relevant Historical Data/Problems, People, Places in Ancient Documents
- Source Retrieval—Metadata Cataloguing Practices of Ancient Documents
- Source Analysis—Transcription, Critical Edition, and Interpretation
- Contextualisation of Source Production and Transmission—Preservation History/Historical Context.

If not already in your profile, please tell us: which languages do you master? At what level of proficiency? What are your interests and research areas? You can consider using for this self-assessment the following keywords: **Basic**, **Focused**, **Advanced**, **Expert** relating to the kind of documents (e.g. Latin inscriptions expert, Greek papyri and Sanskrit manuscripts basic).

4) A self-assessment of your own digital competences according to the DigComp 2.1 limited to a selection of competences deemed relevant to this workshop. To do so, please, populate the table below with a few words to detail what experience places you at a given intersection between a competence (rows) and a level (columns) in relation with the topic of the training. You are welcome to apply your own interpretation of the headings and brief descriptions freely. More details on the framework can be found at the link above (for a summary, look at p. 13 of the PDF). This framework will be used for selection and for evaluation at the end of the training. We will aim at using these self-assessments to compose a group of participants who can enrich each other's competences. Scoring 'high' or 'low' does not play as such a role in the selection. If you are selected, at the end of the training you will be asked to fill this again, the trainer will fill the same for you and then the two assessments will be discussed in comparison with your initial one to agree on the final individual achievements for you, which will (pending implementation) be recorded as an Open Badge issued by the ENCODE project. *Please note that, at the moment, this is an experimental way of selection and evaluation as well as certification of training which will form part of the intellectual output of the project organizing the training.*

[1] If you do not have an ORCID, please register for one. If you do not have and do not wish to make an ORCID account, please motivate that in your application. Please, update your ORCID profile instead of sending us a CV. Attached CVs will *not* be considered.

		Foundation 1: Remembering/with guidance	**Foundation 2: Remembering/autonomy**	**Intermediate 3: Understanding/on my own**	**Intermediate 4: Understanding/for my own needs**	**Advanced 5: Applying/guiding others**	**Advanced 6: Evaluating/adapt in complex contexts**	**Highly specialized 7: Creating/contribute to professional practice**	**Highly specialized 8: Creating/propose new ideas**
1— Information and Data Literacy	*1.1 Browsing, searching and filtering data, information and digital content*								
	1.2 Evaluating data, information and digital content								
	1.3 Managing data, information and digital content								
2— Communication and collaboration	*2.1 Interacting through digital technologies*								
	2.2 Sharing throug								

	h digital technologies								
	2.4 Collaborating through digital technologies								
3— Digital Content Creation	*3.1 Developing digital content*								
	3.2 Integrating and re-elaborating digital content								
	3.4 Programming								
5— Problem Solving	*5.2 Identifying needs and technological responses*								
	5.3 Creatively using digital technologies								

5) 1 sentence with your consent/dissent to enter the above information in the ENCODE database and make it publicly and openly available. You will also consent at our use of this information for research purposes.[2]

Selected participants will be informed by 13th April. Selected teaching materials will be made available during and after the training.

[2] Note that we are not storing any sensitive information, only URIs, such as your ORCID and the text descriptions you are providing if you consent to this. If you opt out, we will only use this information for the training selection and evaluation, not for the database. If you opt in, you will be able to update and delete the information provided.