Pathways Between National and European Research Infrastructures: A Humanities' perspective

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Abstract. In this poster we will discuss challenges, requirements and good practices for creating synergies and inter-connections between national and international research and research data infrastructures from the perspective of the humanities. Stakeholders of the NFDI consortium Text+, of the German national node of DARIAH, of the SSH Open Cluster and of related EOSC projects are presenting benefits and outcomes of these structures and their linkages for the actual research data management and for the researchers. How are research data repositories connected and researchers guided to all the various service offers? With an example about the tool registry in the SSH Open Marketplace reused by Text+ and connected to EOSC, we illustrate the overall picture of these infrastructures and their impact in practice.

Keywords: Research Data Management, Humanities, Text+, DARIAH, EOSC, SSHOC, Data Spaces, Tool Registry, NFDI

Connecting the strategies and service offerings of the various research and research data infrastructures between the national and international level is a key challenge in current developments. The humanities in Germany have a long record in building digital research infrastructures in the context of the ESFRI roadmap [1]. Germany has actively contributed to establishing and developing the CLARIN [2] and DARIAH [3] ERICs and is supporting OPERAS [4] on its way to become an ERIC [5]. With CLARIN's focus on digital research infrastructure for language resources, DARIAH's wider perspective on the arts and humanities and OPERAS' pushing forward open scholarly communication, a number of large and interconnected research communities are being addressed and their German national nodes are connected under the umbrella of the Association for Research Infrastructures in the Humanities and Cultural Studies [6].

Stakeholders of these infrastructures are strongly involved in the humanities' consortia of the NFDI, in particular in Text+ [7, 8], and thereby build an institutional bridge between the German NFDI and the European level. They are continuously contributing to the sustainable organisation of the Social Sciences and Humanities Open Cluster (SSHOC) [9] and its marketplace as one of the five science clusters in EOSC [10] and participate in EOSC-related projects such as EOSC Future [11] or FAIRCORE4EOSC [12]. However, what are the benefits

and outcomes of these structures and their linkages for actual research data management and for researchers? How are research data repositories connected and researchers guided to all the various service offers?

In this paper we illustrate the overall picture of these infrastructures and their impact through a practical example:

Reusability of registries: Tool registry in Text+ and in SSH Open Marketplace

The NFDI builds on valuable previous work and promises a long-term, reliable and sustainable infrastructure for its research communities. A typical user and community requirement in the NFDI is an easily understandable overview of the offerings. In addition to data, consultancy and training resources, tools and services should be maintained, registered, curated and displayed. Text+ will rely on the existing tool registry in the SSH Open Marketplace and combine it with its own specific search functionalities. The SSH Open Marketplace is one of the key exploitable results of the SSHOC project [13, 14, 15]. Two features of the tool registry are essential: 1. Open collaboration in the marketplace using EOSC-compatible / DARIAH-AAI single-sign-on login paired with an editorial board which reviews and approves new entries and changes. 2. Technical readiness to be integrated into other platforms via API and a trusted hosting in DARIAH-EU. The SSH Open Marketplace has already been registered as a service in the EOSC catalogue and aims to make relevant tools and services listed in the SSH Open Marketplace also findable and visible in the EOSC Marketplace. In this way, the tools and services from Text+ become integrated within EOSC.

Through this example, challenges, requirements and good practices for creating synergies and inter-connections between national and international research and research data infrastructures will be shown from the perspective of the humanities.

Data availability statement

Not applicable.

Underlying and related material

Not applicable.

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Competing interests

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