

**Title: Data repositories of universities****Author(s):**

László Nemes, doctoral candidate, Eötvös Loránd University, Budapest, Hungary, [nemes.laszlo84@gmail.com](mailto:nemes.laszlo84@gmail.com)

Zachary Newell, Dean of Library Services at Eastern Illinois University, USA, [znewell@gmail.com](mailto:znewell@gmail.com)

**Keywords:** universities, data science education, data repository

**Abstract:****The background and purpose**

Although data is not only dealt with by libraries, many other organizations have worked on this issue from private companies to offices (eg the statistical office). The storage of data management and its provision to users is becoming more and more prominent in the field of library science and as a requirement for certain types of libraries in particular. The data are users or companies that usually organize their own collections, public actors or researchers. Direct residential use is not typical. Of the library types, scientific libraries and university libraries are closest to the groups that use the data typical of larger organizations. Thus, it is not new that repositories suitable for storing and providing data appear in connection with these institutions outside of private, corporate entities.

The data produced in this presentation is new and represents new research. Based on the results, data repositories can operate alongside higher education institutions. However, there are several conditions for setting up such a data repository, both materially and organisationally. In our presentation, we present our planned data repositories to demonstrate operational parallels between European and US universities. Covering their organizational and material background, data management, and usage culture, we show why such parallels have not yet existed, and outline the reasons for this.

**Details of the methods:**

We use two methods in our paper. One consists of the aggregate research of a qualitative study that summarizes the results of multiple interviews with the heads of several institutions (Eötvös Loránd University, the University of Debrecen, University of Szeged), in which the construction and operation characteristics of the data repository of Hungarian universities is explored. One of the interviewees will provide a firsthand account, constructing a parallel organization (lecture from the Dean of Library Services at Eastern Illinois University). In the other method, we test the operation of data repositories on the available interfaces as presented.

**Findings, discussion, and conclusions.**

In the paper, we will show some practices from USA and Hungary, and compare them. We will present the topic along the following questions:

1. What are the characteristics of a university data repository?
2. What culture and basic knowledge is required to use it? How does the higher education institution ensure this?
3. How open are these repositories?
4. What funding system is needed for these repositories to work?

Our conclusion points in the direction that data repositories are more than collections. Their use, maintenance, and development expect special attention not only from librarians, but also from university lecturers, researchers, and managers/leaders.