Eternalize DBs Workshop

Exchange on sustainability and re-use of database content

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| Kevin A. McMahon | Dr. Kai Naumann |
| New Mexico, United Stateskamcmah@comcast.net +1 505 944 6511 | Landesarchiv Baden-Württemberg, Germanykai.naumann@la-bw.de<https://orcid.org/0000-0002-2799-1030>  |
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This is a follow-up to the virtual DBs for 2080 workshop at Landesarchiv Baden-Württemberg in October 2021 that addressed questions of how to enable memory institutions of all kind to store the very diverse and voluminous database content the world creates in a trustworthy, secure, safe, and efficient way [1].

**Keywords – database content, format migration, emulation, GeoPackage, SIARD**

**Conference Topics – Sustainability**

# Introduction

While the workshop proceedings of October 2021 are under preparation and will only be released by August 2022, the slides and videos are already available [1] and a short report has been published [2]. Lead questions resulting out of the workshop and its proceedings will be discussed and hopefully, new connections will be established.

Kevin and Kai welcome others who might want to participate in planning and hosting the workshop.

# General Lead Questions

While the workshop proceedings of October 2021 are still under preparation, the slides and videos are available [1]. Lead questions resulting out of the proceedings will be:

* How to raise risk awareness about the lack of standard procedures for the revival of “cold” database content?
* How to join inventive spirit and standardization potential worldwide and between communities?
* Who are our allies? Can commercial software producers or large organizations in specific sectors contribute generic software services for interoperability? Examples are e-discovery tools in law, self-explaining bootstrap routines for decoding DNA-coded data in biotechnology, long-term requirements about nuclear waste disposal in nuclear science.

# Lead Questions Format Migration

* Any news about SIARD since October 2021?
* Software supporting SIARD ingest
* Software supporting SIARD access
* Alternatives to SIARD
* The GeoPackage format
* Thoughts about next generation SIARD?

# Lead Questions Emulation

* Any new applications on emulation of DB systems?

# REFERENCES

[1] Databases for 2080 workshop at Landesarchiv Baden-Württemberg, October 5-6 2021, <https://www.landesarchiv-bw.de/de/aktuelles/termine/72973>.

[2] Naumann, Kai. "Databases for 2080 – Preserving database content for the long term" ABI Technik, vol. 42, no. 1, 2022, pp. 78-80. <https://doi.org/10.1515/abitech-2022-0009>.