



## Introduction

Kai Naumann (Landesarchiv Baden-Württemberg, Stuttgart, Germany)

*Kai Naumann is a historian and archivist at the Landesarchiv Baden-Württemberg, Stuttgart, Germany. He works in the fields of appraisal and transfer of digital and paper records, access and use, and archival law. He has been working on database preservation for 15 years. He is member of committee of the German Conference of State Archive Directors (KLA). He teaches database preservation classes at the Potsdam University of Applied Sciences.*

Naumann started with a definition of a database as presumed in the workshop, a modular view that includes graphical user interfaces, the business logic, the database management system and, if necessary, the storage layer. The underlying technologies have been developing since the 1970s and are now very diverse (RDBMS Genealogy 2018, figure 1).

In April 2020, Naumann publicised a challenge to the community. A variety of solutions came from this call. The solutions included the use of CSV, XML, Disk Imaging, Docker, Web Crawler and a hybrid solution (the latter explained by Brigitte Mathiak, [p. 9](#) and [10](#)). In order to estimate the economic consequences of the different choices, he has mapped the solutions to a fictitious timeline up to the year 2080 that also showed the expectable costs for each solution (figure 2).

Naumann also reported the research published so far and mentioned the rather slow progress the SIARD format has made since its inception in 2007 (more by Kuldar Aas, [p. 28](#)).

He introduced the participants and pointed out that the workshop was intended to gather the worldwide state of the art in the field, thus helping institutions to make informed decisions in this area. In order to create an atmosphere for debate, the number of participants had been limited to under 50 people chosen as representatives of different professions and research areas.

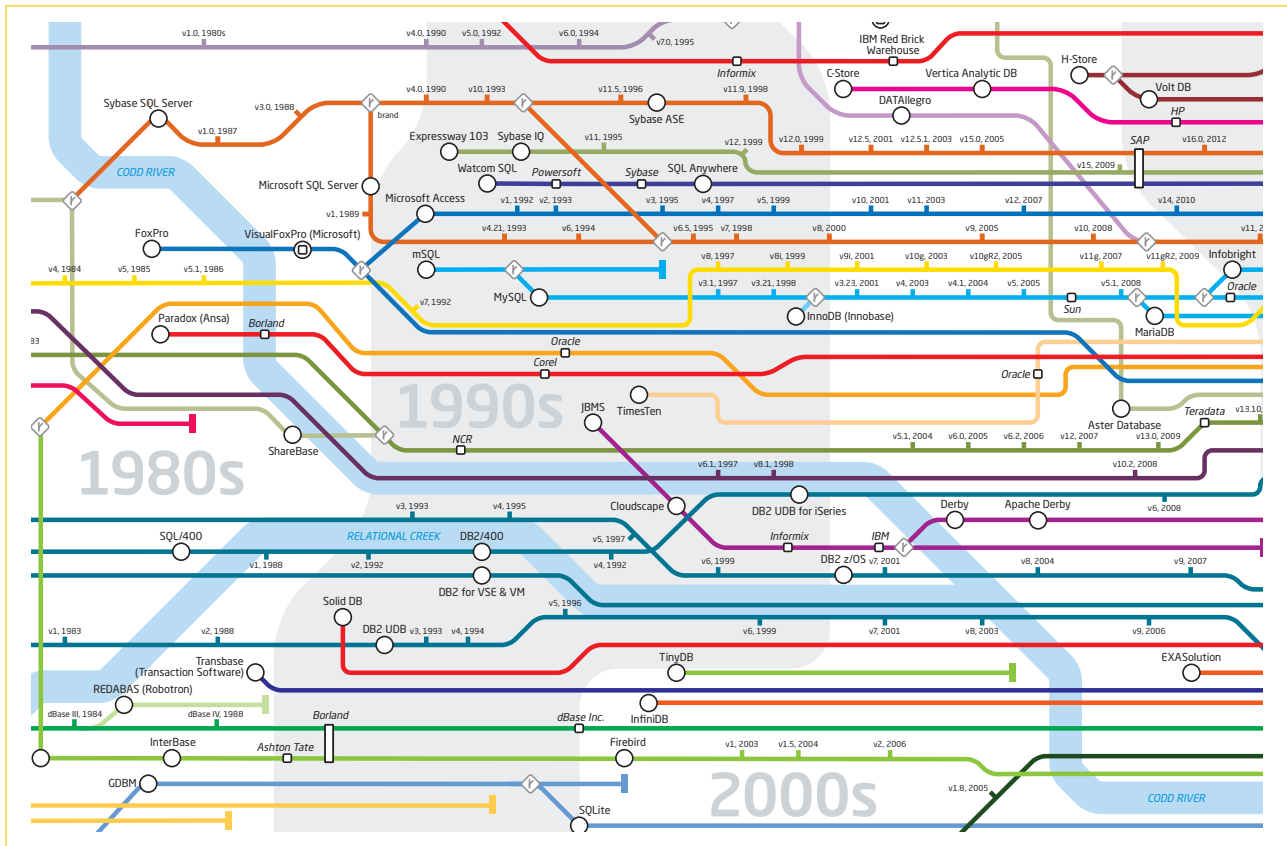


Figure 1: HPI Genealogy of Relational Database Management Systems (cutout)

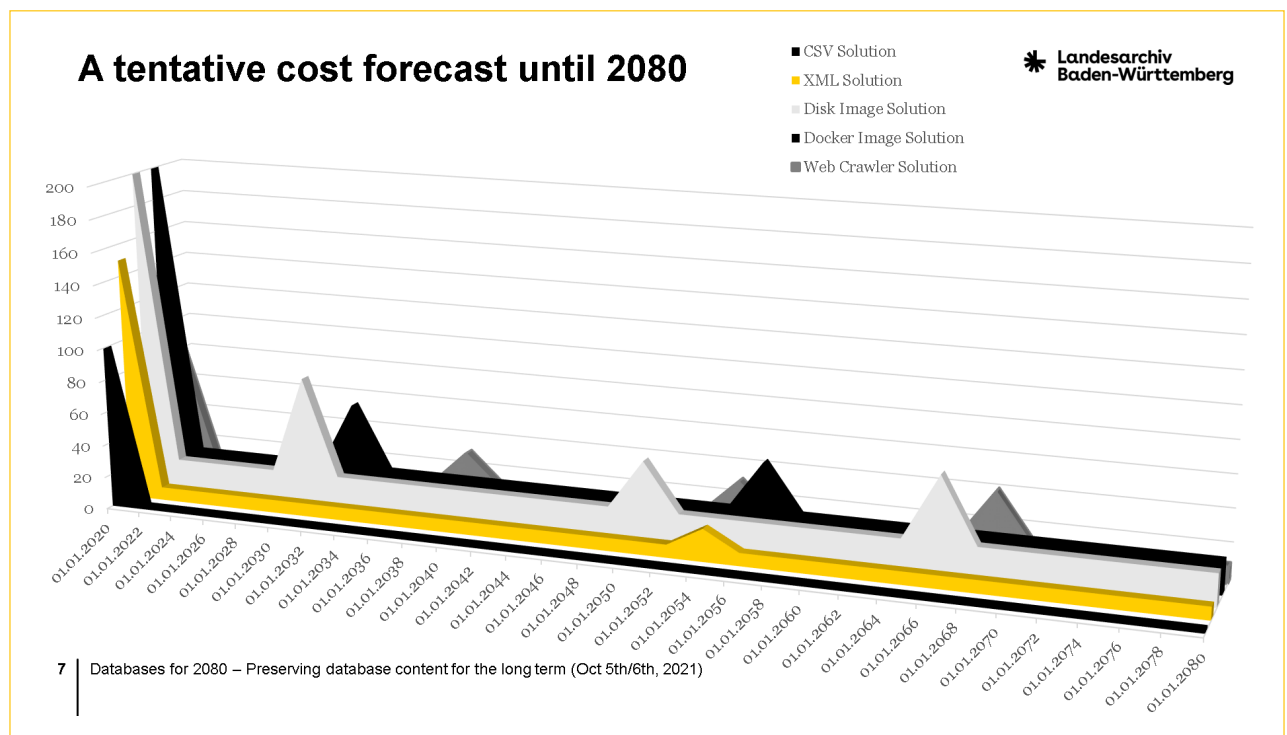


Figure 2: Cost forecast for different DB archiving solutions as estimated by Naumann (2021)