



Innovation Through Collaboration

RODA, eArchiving, and the Next Decade of Digital Preservation

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10 years of eArchiving: Reflections and insights for the next decade

Brussels, 2024-05-29



KEEP SOLUTIONS is a technology company specializing in advanced digital preservation and information management solutions.

Spin-off from **University of Minho**, we have been working in **RODA** since before the company was born.



RODA 1.0
RODA-in 1.0
DBML 1.0



RODA 1.0 (2005-08)

Portuguese National Archives commissioned the University of Minho with the development of a digital preservation repository, one of the first of its kind.

SIARD 1.0

KEEP SOLUTIONS



SCAPE (2011-14)

Developed scalable solutions for long-term digital preservation of large and complex datasets.

RODA 1.2
DBPTK 1.0

E-ARK (2014-17)

Focused on improving the management, access, and preservation of digital archival records across Europe.

VeraPDF (2014-17)

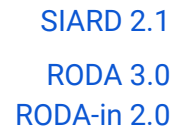
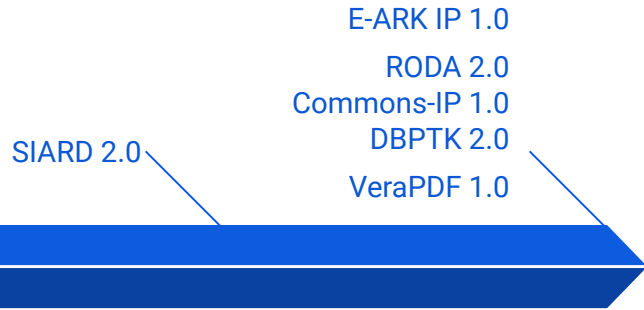
Created an open-source PDF/A validation tool to ensure long-term digital preservation of PDF documents.



4C (2013-15)

Aimed to clarify the costs of digital curation and provide resources for effective cost management.

CCEX



EARK (2014-17)

Focused on improving the management, access, and preservation of digital archival records across Europe.

VeraPDF (2014-17)

Created an open-source PDF/A validation tool to ensure long-term digital preservation of PDF documents.

eArchiving Building Block (2018-21)

Provides standardized tools and specifications for long-term digital preservation and accessibility across Europe.



E-ARK IP 2.1
SIARD 2.2
RODA 4.0
Commons-IP 2.0

RODA 5.0
Commons-IP 2.5

E-ARK IP 2.2



eArchiving Building Block (2018-21)

Provides standardized tools and specifications for long-term digital preservation and accessibility across Europe.

eArchiving initiative (2021-24)

Enhance and expand standardized digital preservation and archiving solutions across Europe to ensure long-term accessibility and interoperability of digital information.

Partner institutions from 20+ countries

Austria
Belgium
Czech Republic
Denmark
Estonia
Finland
France
Germany
Hungary
Italy
Malta
Netherlands
Norway
Poland
Portugal
Romania
Slovenia
Spain
Sweden
United Kingdom



What have we learned?

Develop **OAIS repository**

Support of **IP specifications** and **tools**

Support of preservation **format specification validators**

Database Preservation specifications and tools

Large scale of records and files

Integration with institutions systems

Interoperability with external services

Compliance: standardization, validation and certification

Appraisal, retention and **disposal**

Large and **small institutions**

Present

RODA open-source with a significant user community

Developer and first adopter of many of the specifications and tools funded by EU

With a well defined business model and financial sustainability

Good channel for dissemination of activities from eArchiving:

We provide the technological support and professional services and long-term assurances for support.

Next decade of Digital Preservation

What do we hope from eArchiving until 2034



Preservation for all domains

Standards for data, metadata, and packaging and **outreach** across various domains.

Such as science, health, finance, education, government, environment, digital media and entertainment.



Regulation for data producing software

Regulation on the requirements for **software** and the **formats** produced by the software to ensure **archivability** and **long-term preservation**.



Preservation for all institutions

Adequate legal and certification framework to allow preservation on all institutions, even when preservation is not one of the core objectives. Allow a market of service providers to enable small institutions to preserve content in a certified environment.



Capitalize on the value of archived data

Enable large scale usage of archived data for research and AI training.

Large scale anonymization and cleansing, compliance with GDPR and IPR regulations, compatibility with data processing platforms for research and AI.

Thank you



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