


E-book Preservation

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The logo for DigitalPreservation.nl is centered on a light green square background. It features the text "igital" on the top line and "reservation.nl" on the bottom line. A vertical line is positioned to the left of the text, with a semi-circle on the left side of the line at the top and a semi-circle on the right side of the line at the bottom, creating a stylized 'D' shape.

igital
reservation.nl

Digital Preservation

Preservation of knowledge : about the past and for the future

Goals summarized in the ISO 14721 The Open Archival Information System (2005; 2012; 2021)

Generic reference model: Standard internationally widely adopted in a variety of domains

Translations in many languages Spanish, French, Chinese etc.



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Some key concepts

Appropriate information from the information Producers

Designated community: the audience intended

Information should be independently understandable

Archive will obtain sufficient control for preservation

Authenticity, supported by provenance / fixity information

Presented object is traceable to original object

The rights to do preservation and to give access



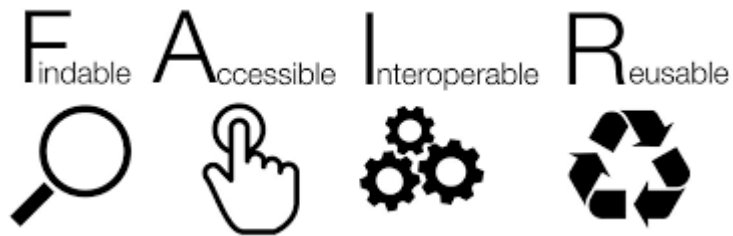
Preservation Environment

Started with Space Agencies, Libraries and Archives around 1990



Since a few years awareness for preservation in research data management

2016



2020



E-book preservation

By whom?

Libraries (National, University etc.)

Publishers

Specific archives like Portico and CLOCKSS



Changes in the concept “publication” might lead to other custodians

What is an e-book?

Disclaimer: Concept “publication” is less firmly defined nowadays

Digitized or born-digital

Variety of formats, no longer equivalent to pdf

EPUB standard, preservation objectives included
open format but ISO standard behind paywall

Propriety formats (Kindle, KOBO, Apple iBooks etc.)

What do we need to preserve?

Identification and validation of the file format: EPUBchecker, veraPDF etc.

(Enough? What about Flash or Javascript in EPUBs?)

Open file format, propriety formats are difficult to preserve

Check for security measures in the e-book

Submission agreement with information about preservation rights

Context information

Metadata

What do we need to give access

Proof of authenticity

Satisfy the designated community / communities

Faithful representation via readers

Adapt to reader habits: preferences for EPUB instead of PDF

Some challenges?

- Traditional concept of “book” or “publication no longer firmly defined
- File format developments
 - EPUB format accepted as preservation format (Library of Congress) but still some doubts
 - Preservation community monitors developments
- What to preserve?
 - One format, many representations (“adaptable publications”)
 - What about “original look and feel”
 - External links (Link rot, Reference rot)
 - Context: original publisher environment

To summarize

E-book preservation requires:

- Ambition and awareness
- Money
- Preservation Watch: monitoring the developments constantly

Thank you!