How to reconcile E-ARK & FRBR standards for the preservation of publications?
The approach of the Publications Office of the EU

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

29 May 2024

Corinne FRAPPART
Outline

• The Publications Office
• Modelling of the publications in the archive
• Limits of the model
• Conclusion
The Publications Office of the EU
OP – Mission and activities

Publications Office of the European Union

OP’s missions

Production
Access
Reuse
Long-term preservation

EU institutions, bodies and agencies

EUR-Lex
Access to European law

EU tenders
Ted - tenders electronic daily

EU publications
CORDIS
EU research results

EU Whoiswho
European data
data.europa.eu

RESOURCES
EU Vocabularies
EU Web archive
OP’s digital preservation workflow

EU institutions, bodies and agencies
Authors

CELLAR
Dissemination repository

EUDOR
Long-term digital preservation repository
Modelling of the publications in the archive
OP - Applied standards

FRBR
Functional Requirements for Bibliographical Records

CELLAR
Dissemination repository

EUDOR
Long-term digital preservation repository
The FRBR standard

Source: https://repository.ifla.org/bitstream/123456789/811/2/ifla-functional-requirements-for-bibliographic-records-frbr.pdf
The E-ARK standard

Source: https://earkaip.dilcis.eu/pdf/eark-aip.pdf
OP – Mapping btw. FRBR and E-ARK

**FRBR**
- Work
  - Expression
    - Manifestation
      - Item

**E-ARK**
- IP
  - METS
  - Meta-data
    - Representations
      - Data (files)

**Example**
The ABC of EU law
OP – Mapping btw. FRBR and E-ARK (2)

FRBR

Work

{ Expression

Manifestation

Item

E-ARK

IP (Work)

METS

Meta-data

The ABC of EU law

IP (Expr.)

METS

Meta-data

Representations

Data (files)

Example

The ABC of EU law
OP – Statistics

FRBR

- Work
  - Expression
    - Manifestation
      - Item

E-ARK

- IP (Work)
  - IP (Expr.)
  - Representations
    - Data (files)

Example

The ABC of EU law

EUDOR content (30.4.2024)

- Publications 3,4 million
- Language versions 34,4 million
- Representations 83 million
- Content files 166 million
Limits of the modelling
Impact of the number of languages

X 24 (legal texts)
Mitigation

IP (Work)
  ├── METS
  │    ├── Metadata
  │    │    ├── descriptive
  │    │    └── preservation
  │    └── other

IP (Expr.)
  ├── METS
  │    └── Metadata
  │         └── descriptive
  └── Representations
      └── Data (files)
          └── other

X 1
(procurement notices)
Conclusion
Conclusion

• The mapping between FRBR (4 levels) and E-ARK (3 levels)
  • is perfectly possible
  • Should be adapted in function of the type and volume of documents
Thank you

corinne.frappart@publications.europa.eu

© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com