

European Archival Records and Knowledge Preservation

#earkproject

www.eark-project.eu

@EARKProject

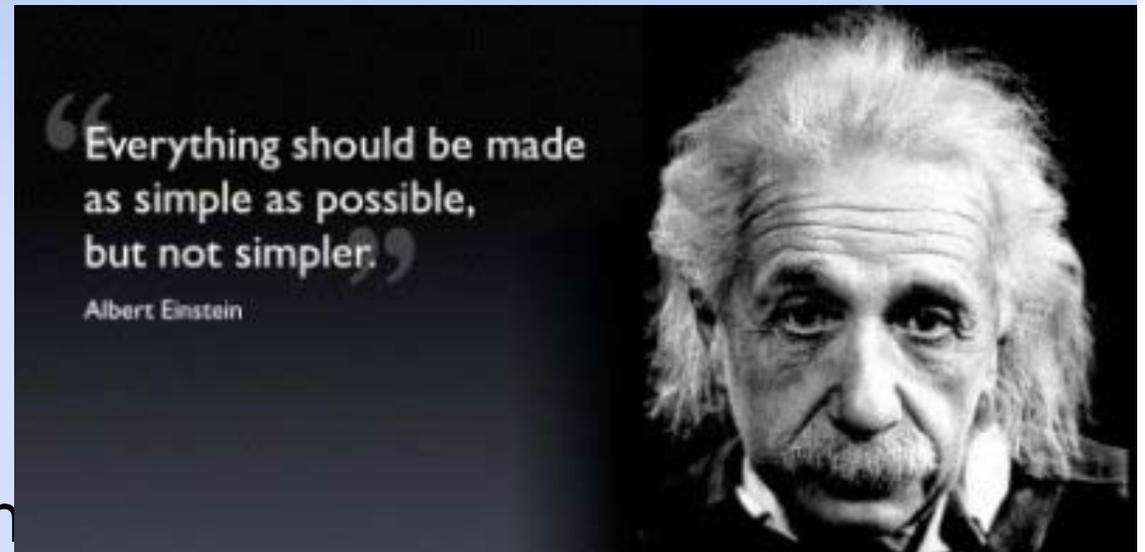
Common Specification for Information Packages

Budapest, 7 December 2016



E-ARK Specifications

- Guiding principles in E-ARK Information Package standardisation
 - Led by the needs of implementations
 - Strong focus on interoperability
 - Careful balance between standardisation and simplicity
 - Robust and scalable



E-ARK Specifications

E-ARK Common Specification

E-ARK Information Package Specifications

E-ARK SIP

E-ARK AIP

E-ARK DIP

Content Information Type Specifications

SIARD2

SMURF

Geo-data

...



Common Specification

- **E-ARK Common Specification for Information Packages**
 - Aims to support automation of high-level package identification and validation (integrity, technical validity, etc.)
 - Possible to be used for any type of data
 - Extension through Content Information Type Specifications
 - Defines extension points for local customisation

Project 620998: European Archival Records and Knowledge Preservation - E-ARK



PROJECT DELIVERABLE

Project Acronym: E-ARK
Grant Agreement Number: 620998
Project Title: European Archival Records and Knowledge Preservation

DELIVERABLE DETAILS

DELIVERABLE REFERENCE NO.	N/A
DELIVERABLE TITLE	Introduction to the Common Specification for Information Packages in the E-ARK project
REVISION	0.14

AUTHOR(S)	
Name(s)	Organisation(s)
Tarvo Kärberg	National Archives of Estonia (NAE)
Kann Bredenberg	National Archives of Sweden / ES Solutions (ESS)
Björn Skog	ES Solutions (ESS)
Anders Bo Nielsen	Danish National Archives (DNA)
Kathrine Hougaard Edsen Johansen	Danish National Archives (DNA)
Alex Thinfays	Danish National Archives (DNA)
Sven Schiarb	Austrian Institute of Technology (AIT)
Andrew Wilson	University of Portsmouth / University of Brighton
Kuldar Aas	National Archives of Estonia (NAE)

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Common Specification

- **Structure of the Common Specification**
 - Need for standardisation
 - High-level requirements
 - Common physical structure
 - Common metadata rules

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Kann Bredenberg	National Archives of Sweden / ES Solutions (ESS)
Björn Skog	ES Solutions (ESS)
Anders Bo Nielsen	Danish National Archives (DNA)
Kathrine Hougaard Edsen Johansen	Danish National Archives (DNA)
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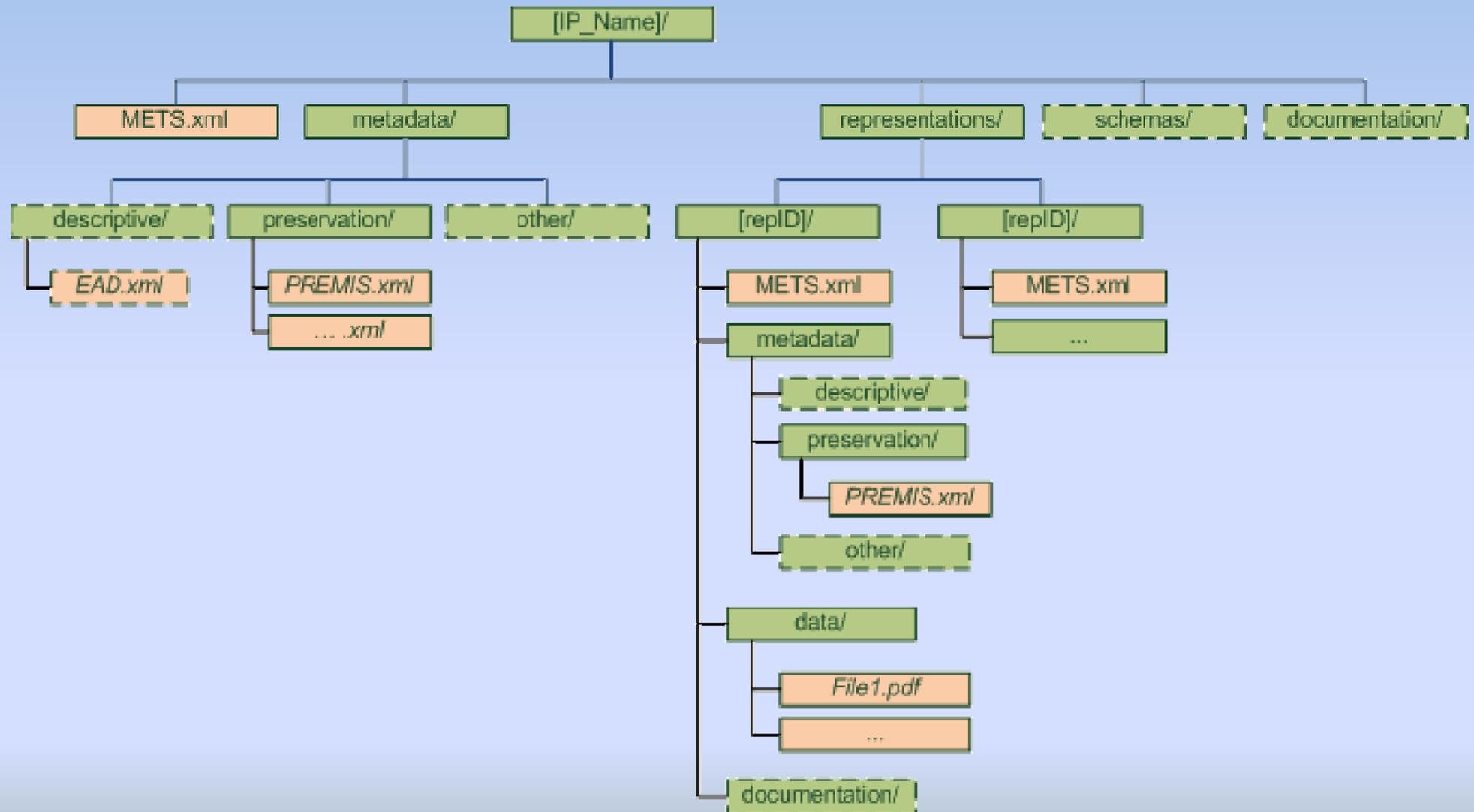


Requirements

- Implementation level standards are destined to get obsolete as technologies evolve..
- The Common Specification defines a set of requirements to guide further development of implementations
- Some examples:
 - Separate the components of an Information Package (data, metadata, documentation)
 - All components of an Information Package must bear a unique and persistent identifier
 - An Information Package should be both human-readable and machine-actionable



Structure



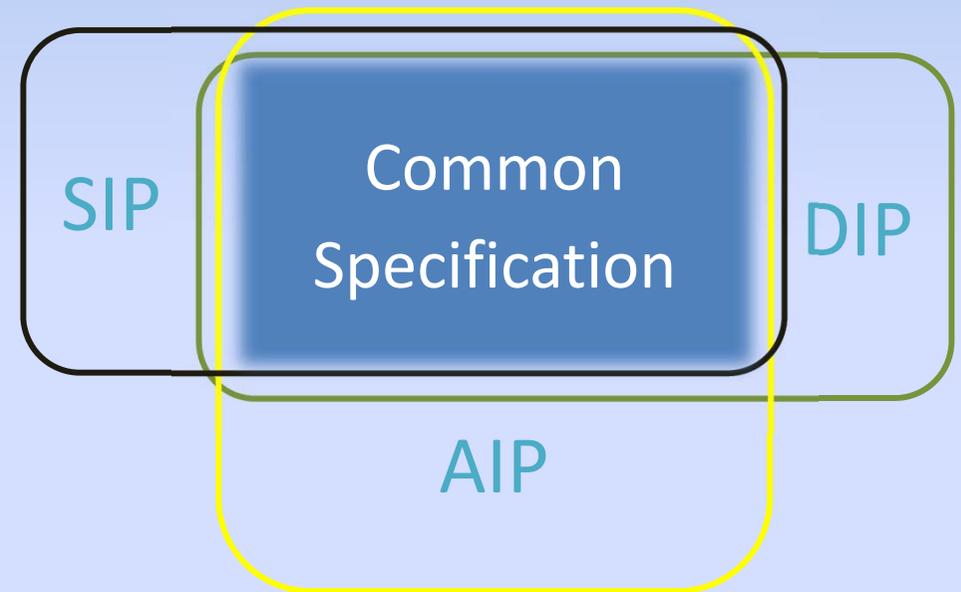
Common Specification metadata

- Implementation based on METS
 - METS serves as the ultimate source for packaging and identification data
 - E-ARK has proposed further restrictions where necessary, for example
 - Structure of links
 - Attributes to express the Content Information Type
 - Specific use of the <structMap> element



E-ARK IPs

- E-ARK SIP
 - Administrative metadata for ingest and pre-ingest processes
 - Transfer agreement
- E-ARK AIP
 - Further specification of PREMIS
 - Extended structure to keep the SIP separated
- E-ARK DIP
 - Administrative metadata (log the creation of the DIP)
 - Description of complex access environments in PREMIS



Implementations

- RODA-in, RODA
- ESSArch Tools, ESSArch Preservation Platform
- E-ARK Web
- (Preservica)



Sustainability

- E-ARK ends on 31st of January 2017 ..
- Maintenance of specifications ensured through the DLM Forum
 - DAS Board
 - Call for feedback!
 - Call to join!



Make sure to also check:

www.eark-project.com for all deliverables and specifications

Special thanks to:

Karin Bredenberg, Luis Faria / Helder Silva, Sven Schlarb, Andrew Wilson



E-ARK: tools

