Preservation and People: understanding designated communities

Practical Preservation and People: a briefing about metadata

Belfast 03/12/2015

Prof. Dr. Christian Keitel

Digital-Archiving Information Services Reference Model (9/1995)

- **Archived Information:** Information, represented by digital data, that is being preserved for public access over the long (indefinite) term. The information is deemed to be understandable to one or more segments of the public.

- **Archived Data:** Digital data that is being preserved for public access over the long (indefinite) term. ..
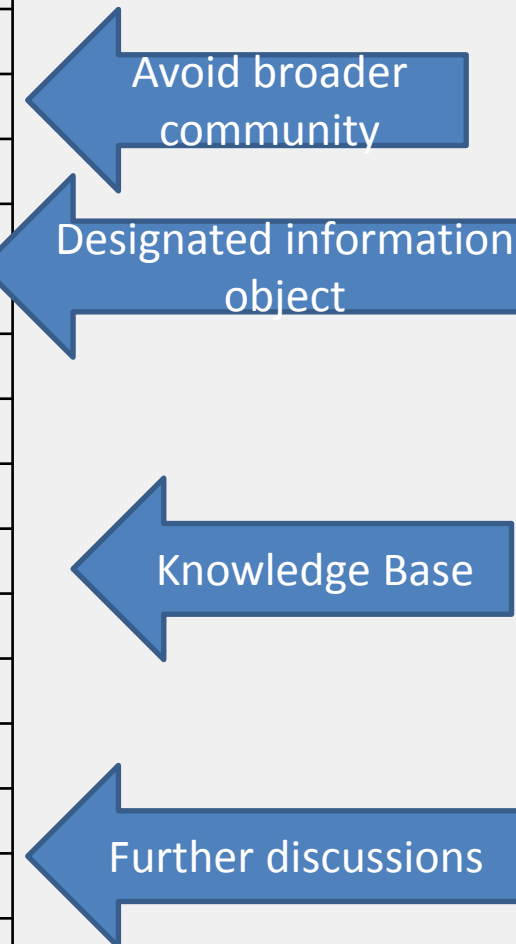
Reference Model for Archival Information Services, Version 3, 11/03/1996

- **Archive** : A repository that intends to preserve information for access and use by one or more designated communities.

- **Preserve Information**: The information is expected to be correctly and independently usable by the designated user community.

Digital-Archiving Information Services Reference Model	**1995/09/14**
Archive Reference Model, V.2	**1995/12/19**
Reference Model for Archival Information Services V.3	**1996/03/11**
Reference Model for Archival Information Services V.5.0	**1996/07/05**
Reference Model for Archival Information Services V.6.0	**1996/09/23**
Reference Model for Archival Information Services V.7.0	**1996/10/25**
Reference Model for Archival Information Services V.8.0	**1997/01/06**
CCSDS 650.0-W-1 WHITE BOOK	**1997/04/10**
CCSDS 650.0-W-1.11 WHITE BOOK	**1997/07/05**
CCSDS 650.0-W-1.2 WHITE BOOK	**1997/09/29**
CCSDS 650.0-W-2.0 WHITE BOOK	**1997/10/15**
CCSDS 650.0-W-3.0 WHITE BOOK	**1998/04/15**
CCSDS 650.0-W-4.0 WHITE BOOK	**1998/09/17**
CCSDS 650.0-W-5.0 WHITE BOOK	**1999/04/21**
CCSDS 650.0-R-1 RED BOOK	**1999/05**
CCSDS 650.0-R-1.1 Draft RED BOOK	**2001/04**
CCSDS 650.0-R-1.2 Draft RED BOOK	**2001/06**
CCSDS 650.0-R-2 RED BOOK	**2001/06**
CCSDS 650.0-B-1 BLUE BOOK = ISO 14721:2003	**2002/01**

Avoid broader community

Designated information object

Knowledge Base

Further discussions

Sir Hillary Jenkinson (1922)

§ 3. *Definition of Archives*

We may now attempt a definition which shall cover all the possibilities mentioned above. First we have defined a document as covering for our purpose manuscript, type-script, and printed matter, with any other material evidence which forms part of it or is annexed to it. A document which may be said to belong to the class of Archives is one which *was drawn up or used in the course of an administrative or executive transaction (whether public or private) of which itself formed a part ; and subsequently preserved in their own custody for their own information by the person or persons responsible for that transaction and their legitimate successors.*
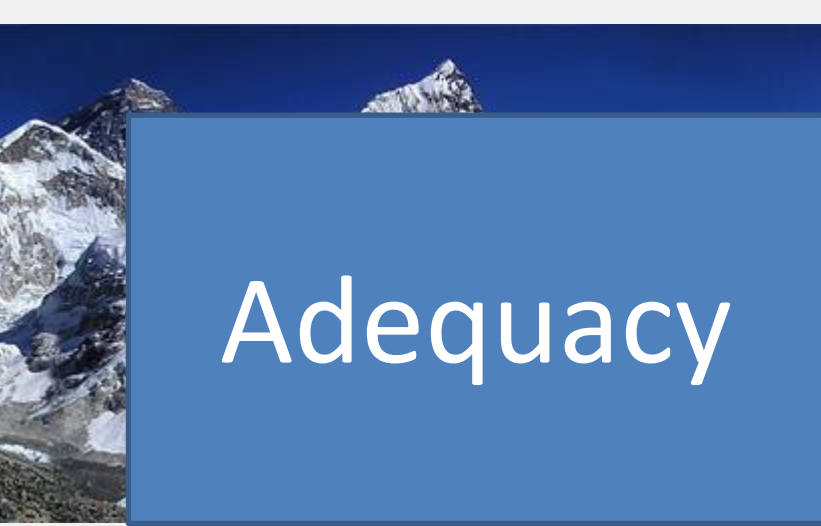
To this Definition we may add a corollary. Archives were not drawn up in the interest or for the information of Posterity.

LANDESARCHIV
BADEN-WÜRTTEMBERG

nestor

Archivists' discussion

1. **DC doesn't fit for archives, which are open for all parts of society**

2. **DC is just an abstract concept with no relevance for the concrete tasks of the archives.**

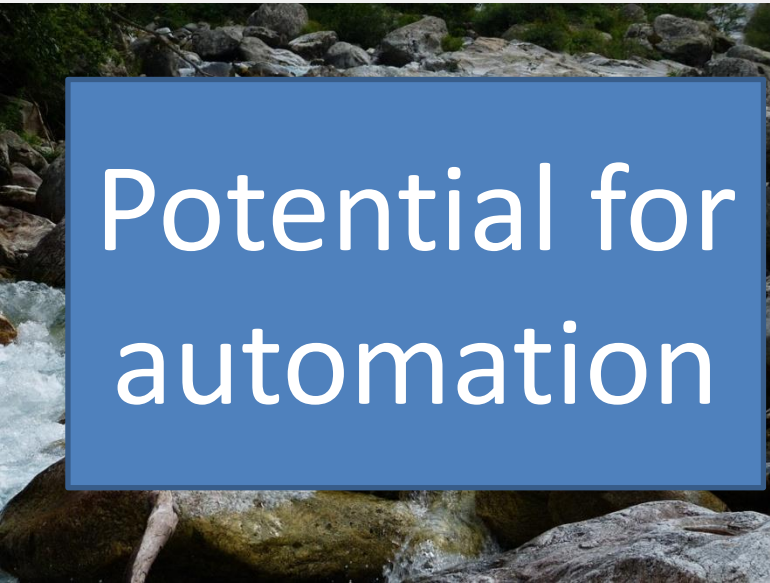3. **DC is subjective and speculative**

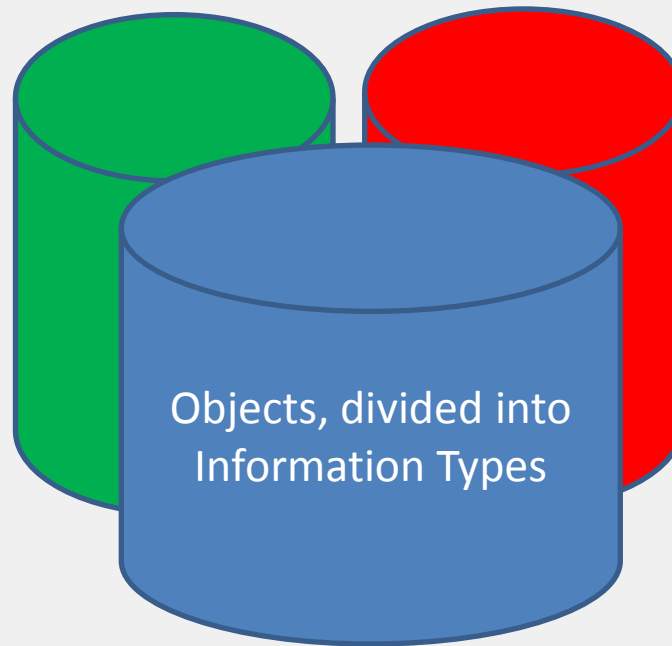Adequacy

Authenticity

Potential for automation

Financial Viability

Object related decisions
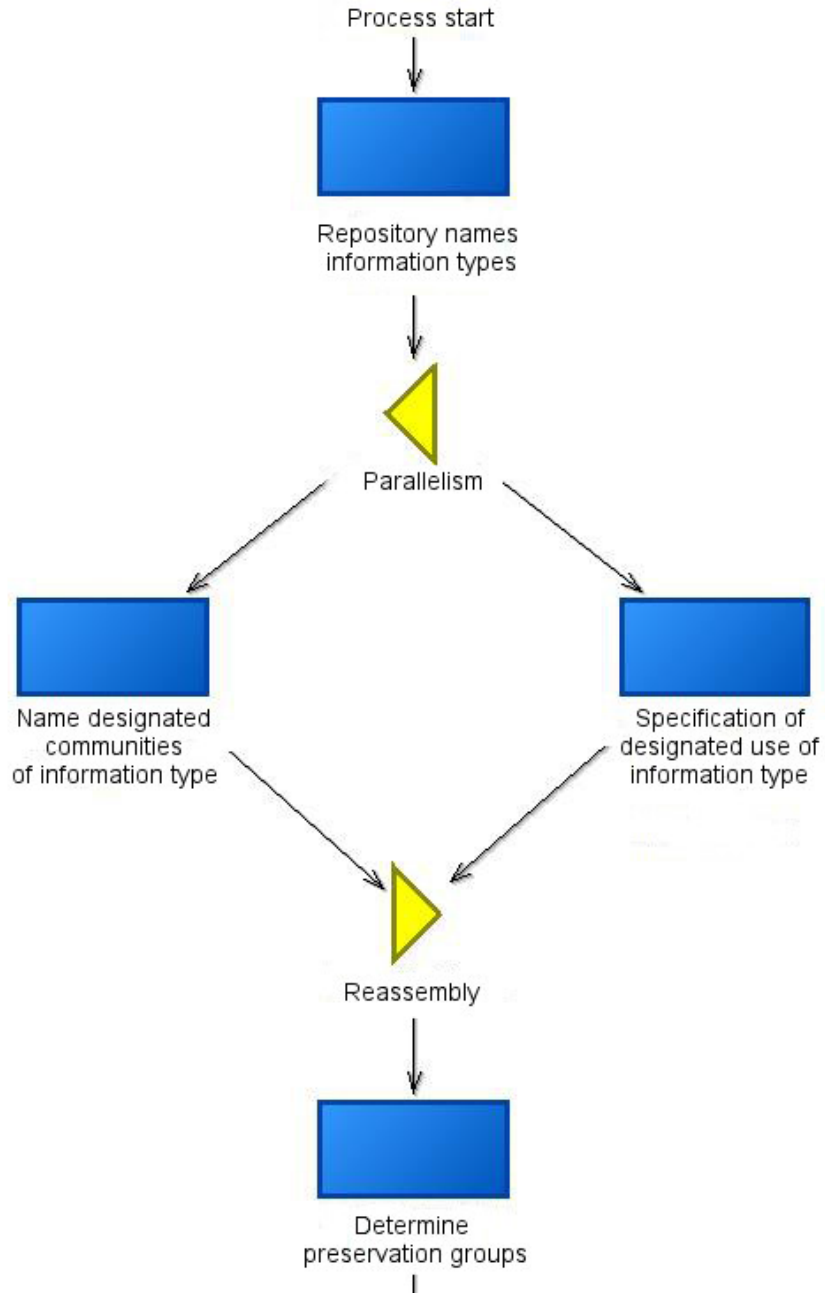
Four abstract designated uses

- Perceiving the complete object
- Evaluating/obtaining information
- Further processing after extracting a DIP
- Running the object (software)

LANDESARCHIV
BADEN-WÜRTTEMBERG

nestor

Sequence of decisions

Process start

Repository names
information types

Parallelism

Name designated
communities
of information type

Specification of
designated use of
information type

Reassembly

Determine
preservation groups

LANDESARCHIV
BADEN-WÜRTTEMBERG

nestor

Possible Basic Information Types

- Text
- Image (two-dimensional)
- Audio
- Moving images
- Structured information (data bases)
- GIS data
- Software

- Complex information types contain more than one basic type

LANDESARCHIV
BADEN-WÜRTTEMBERG

nestor

Possible DC für Text

- Readers, who are interested in consuming the whole object.
  - Those interested in literature and
  - Those interested in (book) art
- Academics, which specific questions
  - Historians
  - Social scientists, statisticians
  - Linguists and
  - Those interested in the history of paper, writing, printing or typography
- "Those interested in history"
  - Local historians
  - Genealogists

Designated Uses for Text (example)

N1: **To perceive the entire object**

The information object should be perceived by the senses as a work of art in the broadest sense, but one with no intention of conveying information.

- **N1.1:** Direct perception of the visual impression of the text, text document (or parts thereof) as a work of art
- **N1.2:** Reading the text as a literary work

N2: **To extract and analyse information**

Individual or multiple pieces of information are to be extracted from the information object.

- **N2.1:** Search for certain information units which can be defined and described in advance (e.g. a specific date)
- **N2.2:** Search for a new realisation which is obtained by analysing and combining a number of different information units
- **N2.3:** Search for evidence (e.g. way in which an author or an official body works)

N3: **To process information**

A new information object is to be created from the information extracted from the information object through a process of selection, compilation and processing.

- **N3.1:** Calculation from the information of an information object (e.g. statistical analysis of rows of figures in a text document)
- **N3.2:** Compilation of information from multiple information objects (e.g. writing a chapter on the biography of an author on the basis of his or her correspondence)
- **N3.3:** Further use of part of or the entire information object for illustrative purposes outside the context of the archive (e.g. use of a certificate as illustration, see N1)

Designated Uses and significant properties of text (example)

	E1 Sequence	E2 Process-ability	E3 Markup	E4 Address-ability	E5 Other text layers
N1.1 Visual perception	X		X		
N1.2 Literary enjoyment	X		X		
N2.1 Search for fragmented items of information	X	X		X	X
N2.2 Realisations obtained by combining information	X	X	X	X	X
N2.3 Search for evidence	X		X		X
N3.1 Calculation from information	X	X			
N3.2 Compilation of information	X	X	X	X	
N3.3 Re-use for illustrative purposes		X	X	X	

X = The property should be fulfilled in full or in part for this designated use.

nestor

Questions?

christian.keitel@la-bw.de

nestor