

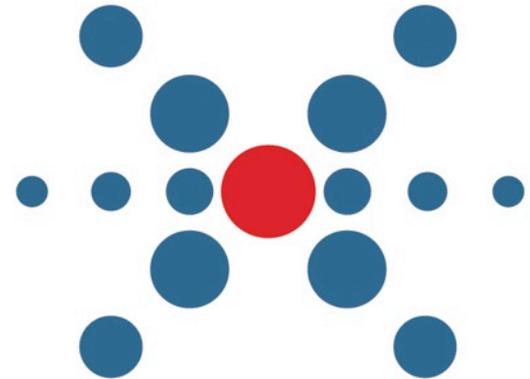
Digital Preservation

4C Focus Group Meeting

May 13th 2014, Berlin

Marcel Ras & Joost van der Nat

Dutch National Coalition Digital Preservation



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About our research



Goals (start April – finish December)

1. update of the picture of the “AS IS” situation of the present infrastructure for digital preservation (DPI) across the 5 domains
2. present costs incurred by the domains for DPI
3. estimate of growth (volume, complexity, diversity)
4. description of the “SOLL” situation of the infrastructure for DP
5. a “FIT – GAP” analysis
6. scenario’s for transition from “AS IS” to “SOLL”
7. estimate of required DPI budgets (next 5 years, 5 years after)
8. “prediction model” for estimating growth (volume and €)
9. definition of next phase, amongst which the development & implementation of a (national ?) cost model....



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Cost Modelling is KEY

Results

See the summary of your submitted information mapped into our categories. Check if this information is valuable.

Financial accounting categories (procurements and staff)

You defined that your organization has around: 18 Terabytes

Procurement category	Cost	% of raw cost	Cost per GB	Example average	Example peer
Hardware	819.868,67 €	18%	44,48 €/GB	6,92 €/GB	12,70 €/GB
Software	819.868,67 €	18%	44,48 €/GB	6,26 €/GB	9,42 €/GB
External or third party services	296.666,67 €	7%	16,10 €/GB	1,06 €/GB	0,00 €/GB

Staff role	Cost	% of raw cost	Cost per GB	Example average	Example peer
Producer	369.039,84 €	8%	20,02 €/GB	0,43 €/GB	0,00 €/GB
IT-developer	0,00 €	0%	0,00 €/GB	10,19 €/GB	19,53 €/GB
Support / operations	1.245.509,46 €	28%	67,57 €/GB	10,19 €/GB	19,53 €/GB
Preservation analyst	176.930,96 €	4%	9,60 €/GB	11,66 €/GB	22,46 €/GB
Manager	599.689,74 €	13%	32,54 €/GB	4,95 €/GB	10,74 €/GB

Overhead	Cost	% of raw cost	Cost per GB	Example average	Example peer
Overhead	160.000,00 €	4%	8,68 €/GB	0,00 €/GB	0,00 €/GB

Total	4.487.574,00 €	100%	243,47 €/GB	51,66 €/GB	94,38 €/GB
Other (unmapped)	0,00 €	0%	0,00 €/GB	0,43 €/GB	0,00 €/GB

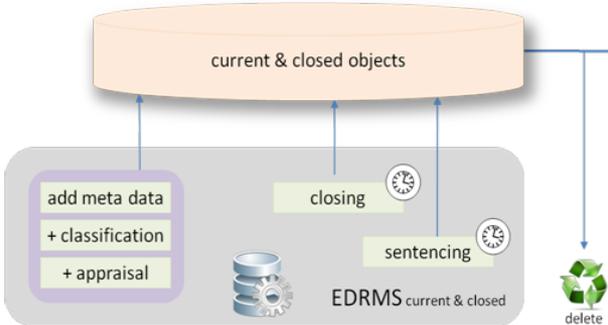
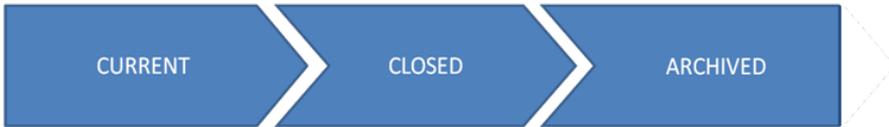
About our research and 4C



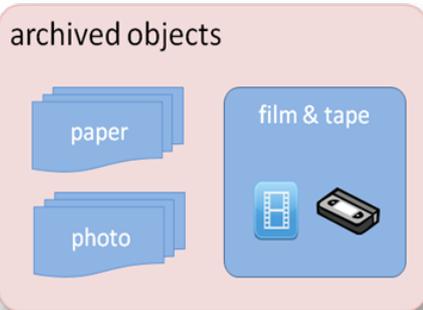
View on “the world” of Digital Curation

Create

current – closed digital objects



physical objects



Repository

ingest
ingest
migrate



internal research public at large



Usage

Portal and Community

- authorized view on data, based on role (audience)
- search, find & retrieve data
- portal functionality
- community functionality
- crowd sourcing:

- correction and transcription
- contextualization
- complementing the collection
- classification
- co-curation
- crowd funding

• and more....

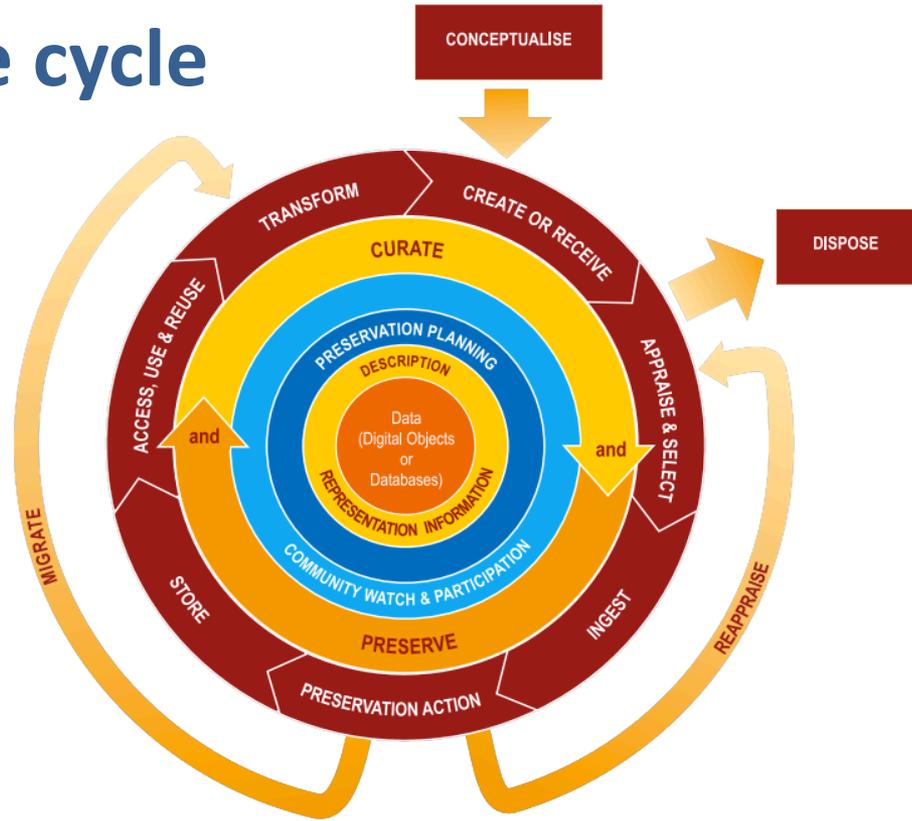


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Digital object life cycle

the DCC model:



full life cycle actions

description & representation info

preservation planning

community watch & participation

curate & preserve

sequential actions

conceptualize

create

receive

appraise & select

ingest

preservation action

store

access, use & reuse

transform

occasional actions

dispose

reappraise

migrate

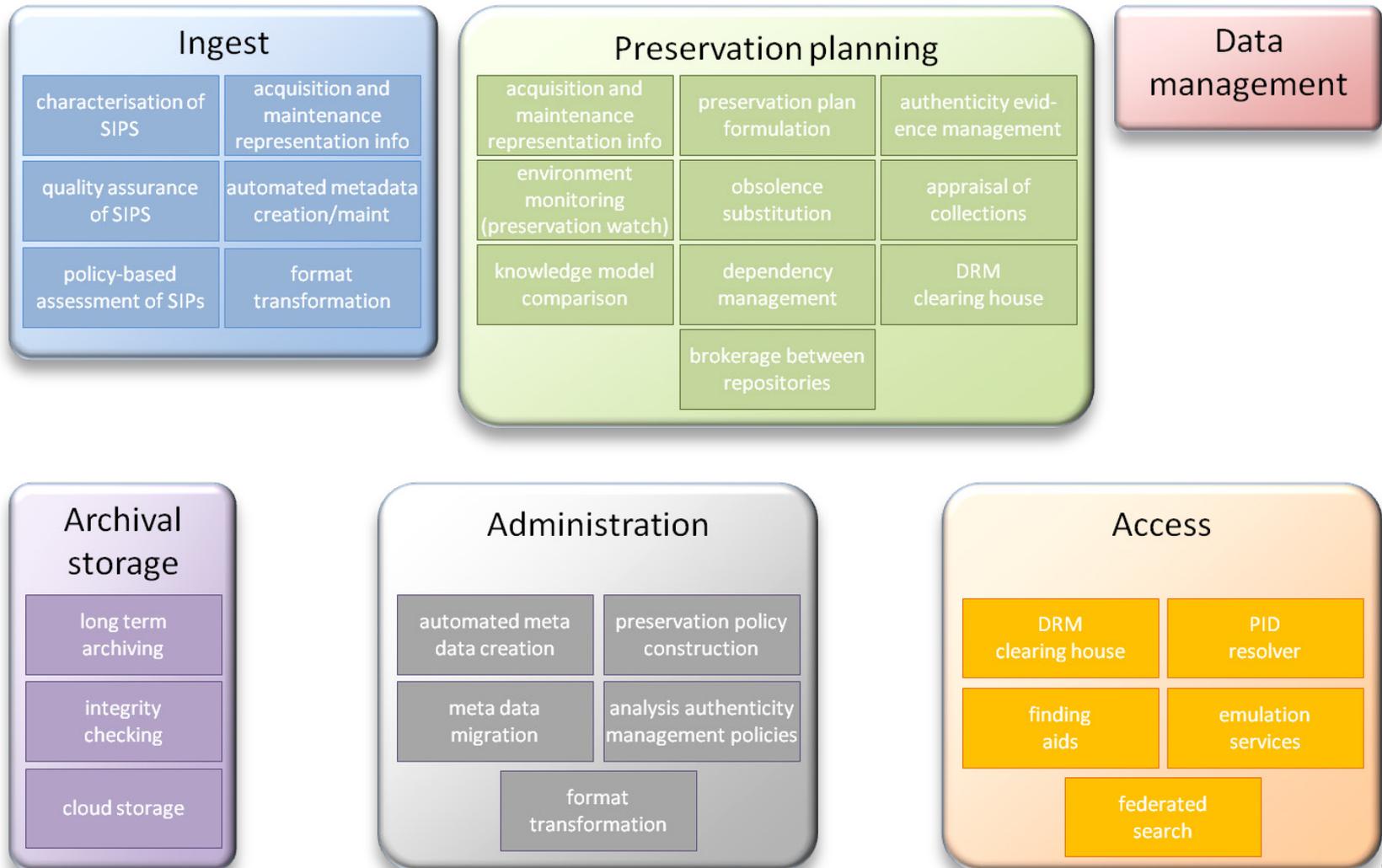


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The 6 OAIS functions as Services

(APARSEN WP21)



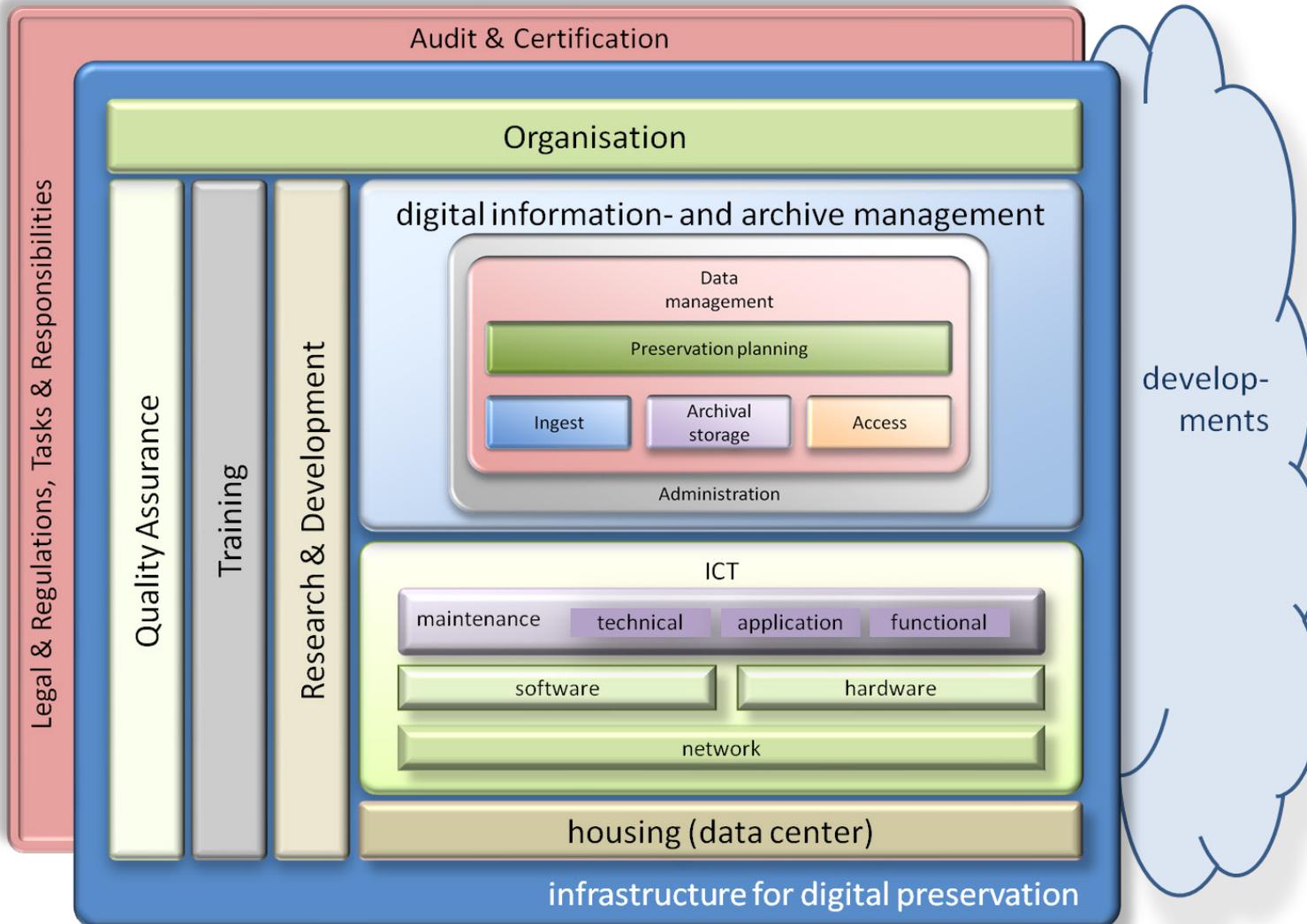


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View on Infrastructure Digital Preservation

(≠ Infrastructure for Digital Curation, as Create is missing !)





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4C for NCDD

- A Cost Model is essential to us: "*It is better to steal something good than to invent something bad*". Even better: "*to contribute to something good*" !
- Next step in projects is defining projects focussed on implementation; of tools, processes, and costs models
- NCDD project should use outcomes of infrastructure project and 4C results
- Each domain has its own characteristics that influence Costs
- Calculate outcomes in € per Tb and in € per object
- Differentiate in Operational-, Capital-, and Project Costs
- Requirements for Cost Model
 - one universal model, or domain tailored ?
 - use of reference figures (CCEx !) per domain ?
 - Benefits ?!? (essential for Business Case, those quantifiable in €'s...)



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NCDD for 4C

- A vast network within one country
- A cross-domain focus
- Experience (in calculating costs and defining requirements)
- A test environment
- Collaboration starting from a coalition
- Figures (CCEx ?)
- Considering to host the 4C project upon completion on our web site



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More information

www.ncdd.nl

<http://www.ncdd.nl/blog/>

<http://groups.google.com/group/ncdd-nieuws>

Program Manager: Marcel Ras

marcel.ras@ncdd.nl

+3170 31 40 180

+316 1477 76 71

Researcher: Joost van der Nat

jvdat@ncdd.nl

+316 5204 8788

