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Digitisation with the aim to long-term preservation

SADI Workshop
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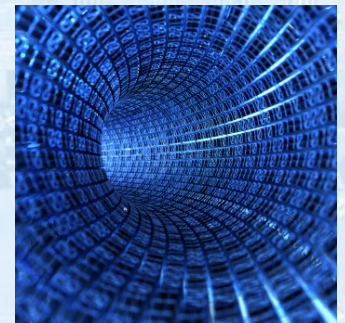
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Vision of SADI



- To establish a National Digitisation Initiative that will engage with all the core elements of digitisation, including long-term digital preservation

<http://bit.ly/15g4Pql>



Why do we scan?



- Politics in Africa influence the internal management dynamic of museums and archives
- Electronic Accessibility
- Reprinting / Republishing
- Re-use (once or more?)
- Open up former closed collections
- On demand

Photographers deal in things which are continually vanishing and when they have vanished there is no contrivance on earth which can make them come back again.

~ Henri Cartier-Bresson



Copyright



- Stay clear of any copyright issues if possible
- Copyright also apply to digital preservation
- If needed, make sure CR is sorted before digitisation starts
- Document every letter and answer between office and copyright holder
- If possible, submit to collection in repository
- Store permission with archival images



Risk



- Physical object never to be at risk
- Preserve authenticity and integrity of original
- Do not violate physical or intellectual rights (property right, copyright or privacy)
- Keep collection in same order as received



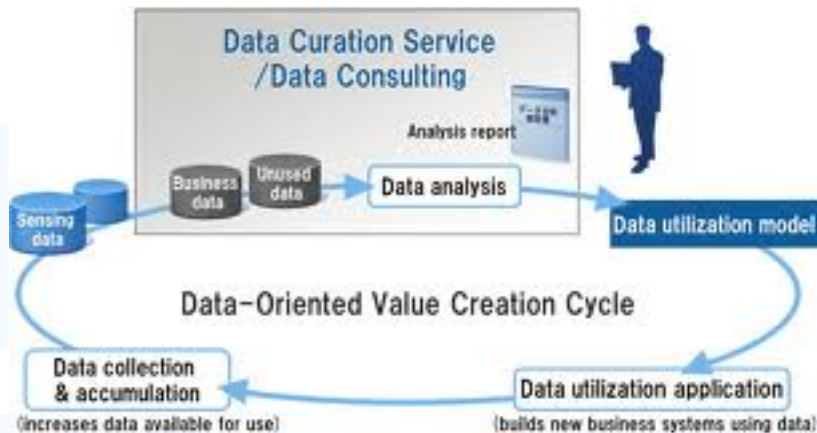
Repository



- Will preserve content
- Digital objects packaged for web display
- Still need human interference
- Metadata input
- Format of input - consistency
- Display format of digital object



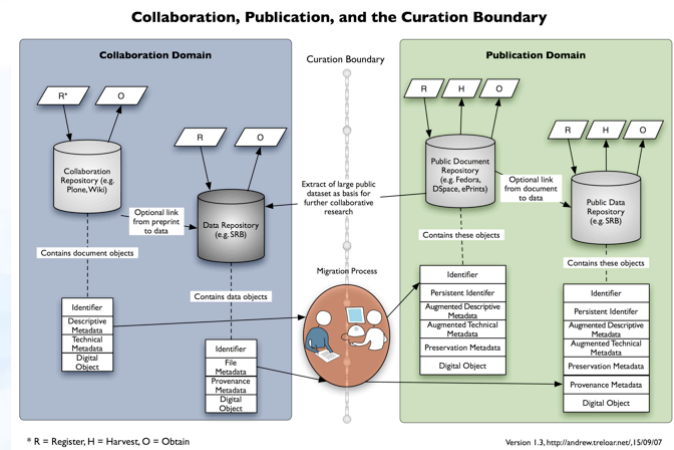
<http://bit.ly/XD4AAE>



<http://bit.ly/13e09Dz>

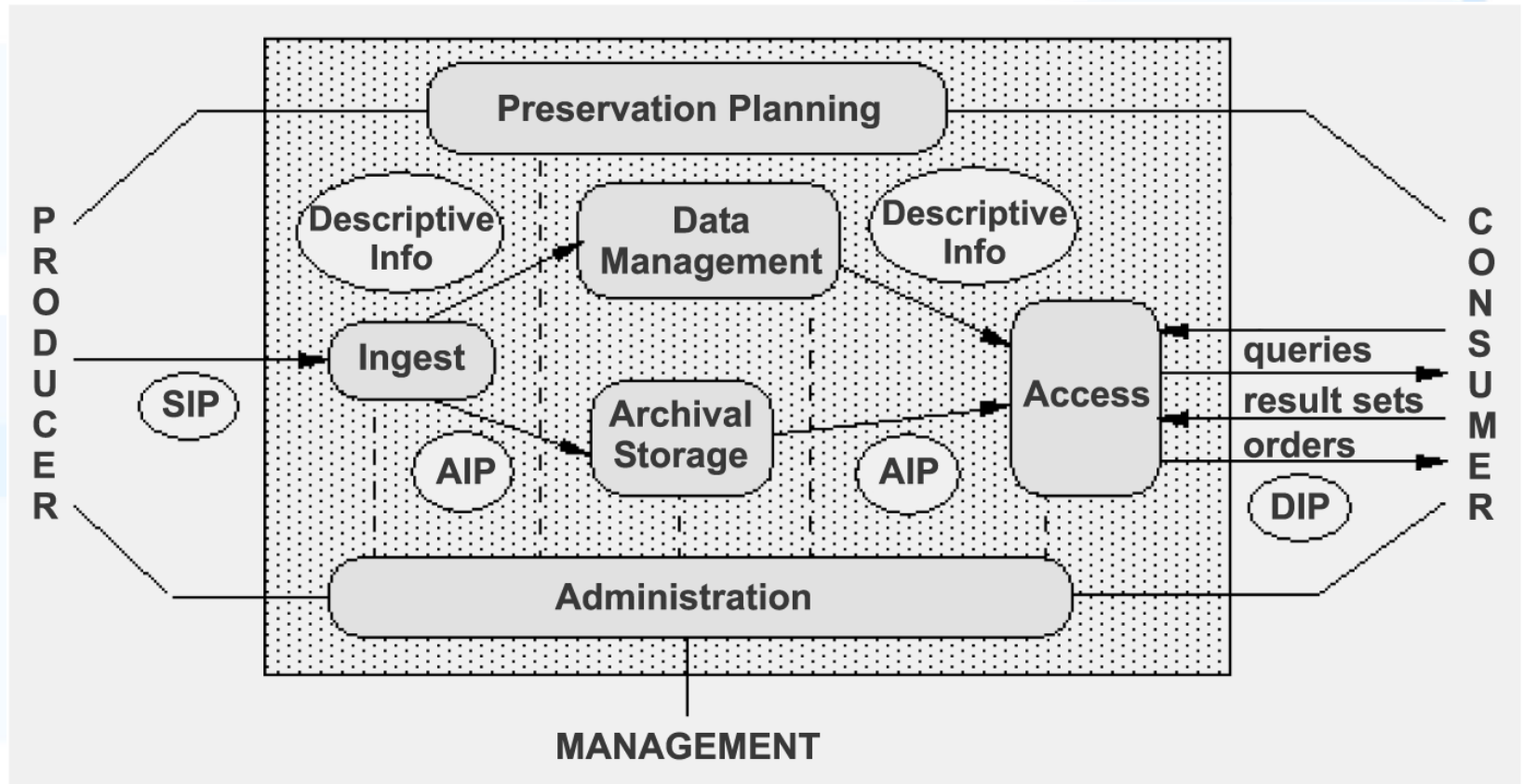


<http://bit.ly/15fSenb>



Digital preservation

http://www.emeraldinsight.com/content_images/fig/2800400304001.png



Core elements?



- Server
- Archival image/digital object
- Metadata
- Accompanying metadata
 - Technical
 - Descriptive
- Digital preservation (OAIS)



Benefit of Server



- Harddrives mere back-up
- Harddrives not manageable
- Server : archival software managing process
- Orchestrated back-up
- Easy to check
- Everything kept at secure place
- Cost of sustainability



What UP did



- Use guidelines available on the net
- Policy per collection or per type
- Document decision
- Zip – future as an archival object?
- TIFF or JPEG2000 – 85% lossless
- Camera settings / calibration
- Colour management



Collaboration



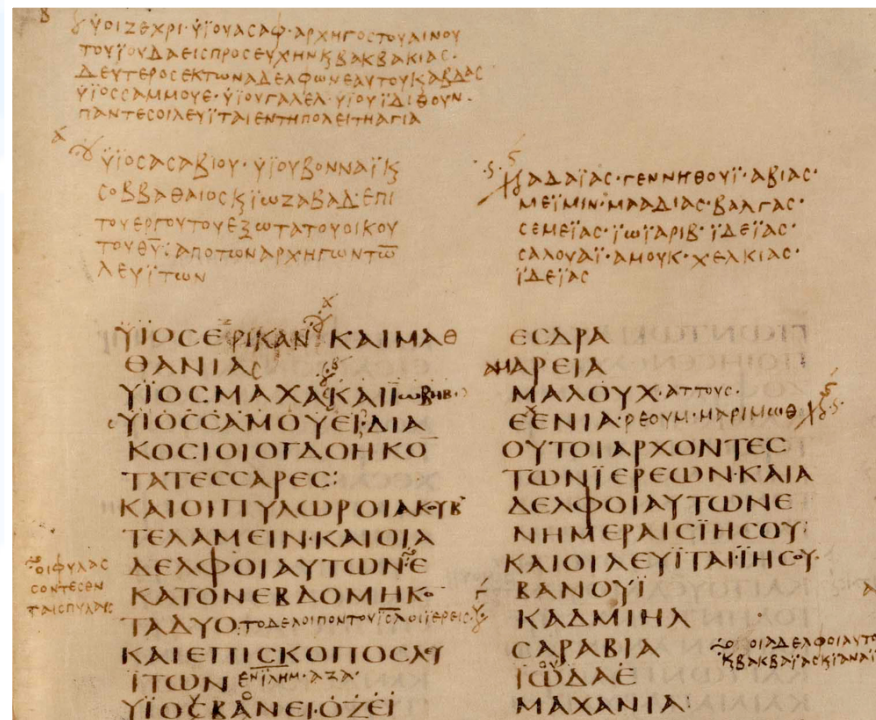
- One collection – many custodians
 - Decide what will work and why
 - Document decision
- Note meetings
- Understand scan settings
- Metadata
- Derivative – decisions on how much and what
- Sustainability of project and
- Digital preservation who take responsibility?



Codex Sinaiticus

<http://www.codexsinaiticus.org/en/project/digitisation.aspx>

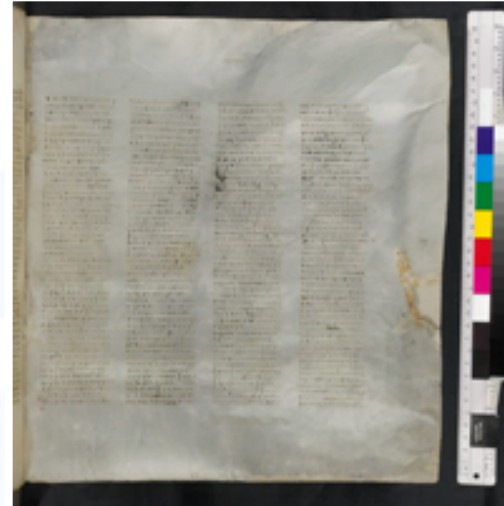
Codex Sinaiticus is one of the world's outstanding manuscripts. Together with Codex Vaticanus, it is one of the earliest extant Bibles, containing the oldest complete New Testament. This treasured codex is indispensable for understanding the earliest text of the Greek Bible, the transmission of its text, the establishment of the Christian canon, and the history of the book. Over 400 leaves survive and are held across four institutions



Codex Sinaiticus



Test image of a Codex Sinaiticus page on a white background



Test image of a Codex Sinaiticus page on a black background

Through testing, the decision was made to opt for a compromise colour. A light brown background was chosen that was close enough to the colour of the parchment to give a sense of its warmth, while reducing the show-through to a point where it rarely makes reading the page difficult.





Olinia peccatoralis
Gandy XI
Kew Botanical Gardens, in northern side of 1900



the asplen
Hawaii, October 1910
Kew Botanical Gardens



the 9. 100.
C. van Jaarsveld 1911
Gandy - Botanical Gardens, flowering May 2000

Lessons learned



- UP theses and dissertations 2000
- Main focus online access
- Repository can go wrong
- Retrospective T/Ds
- Correct passed mistakes?



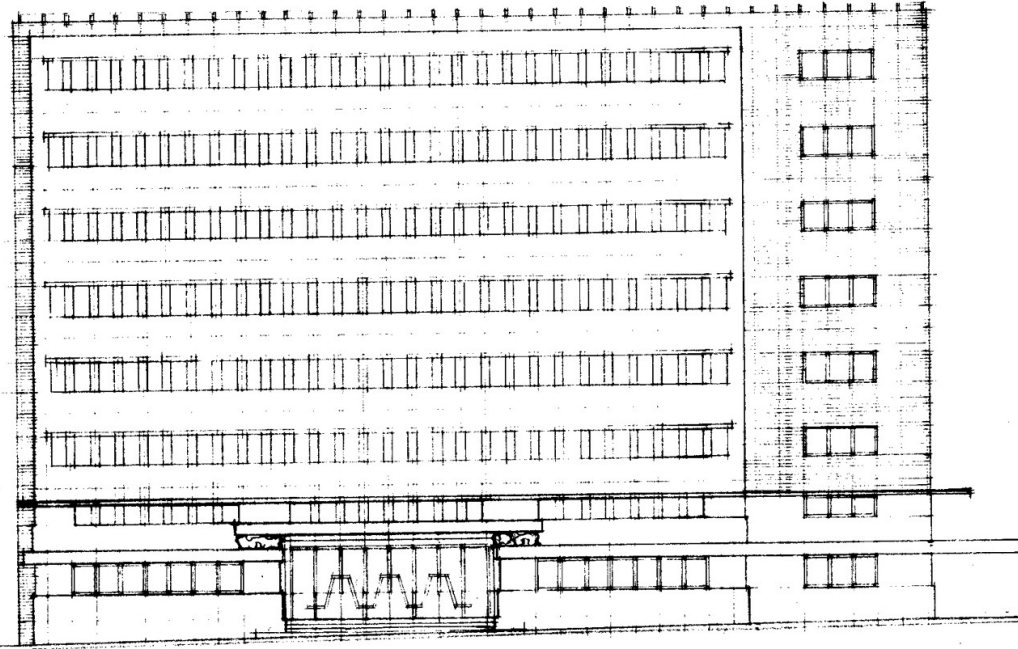
1:4 1/2" X 1:4 1/2" > 1/2"

'TALLBOY' IN STUNNWOOD
JAMES DOWNIE ETC.
P K E T G R I A .

FRONT ELEVATION

SIDE. ELEVATION.

SECTION.



SOUTH ELEVATION TO CHURCH STREET.

NEW NETHERLAND STATE BANK BLDG. ALBANY, N.Y.
 WEINING & EATON, ARCHTDS. MARCH 1940.

Quality Assurance



- Main task
- Do not rely on one person only
- Understand workflow
- Rejection not personal



Moving forward



- We need our archival scans for future use
- Publish in ePUB, for Kindle and other devices
- Scaleable
- Tap and slide horizontal
- Pixels much smaller
- HTML5 & CSS3
- Colour management



<http://bit.ly/WofcCY>



Thank you

