

Digitisation and Digital Library Presentation System – A Resource-Conscientious Approach

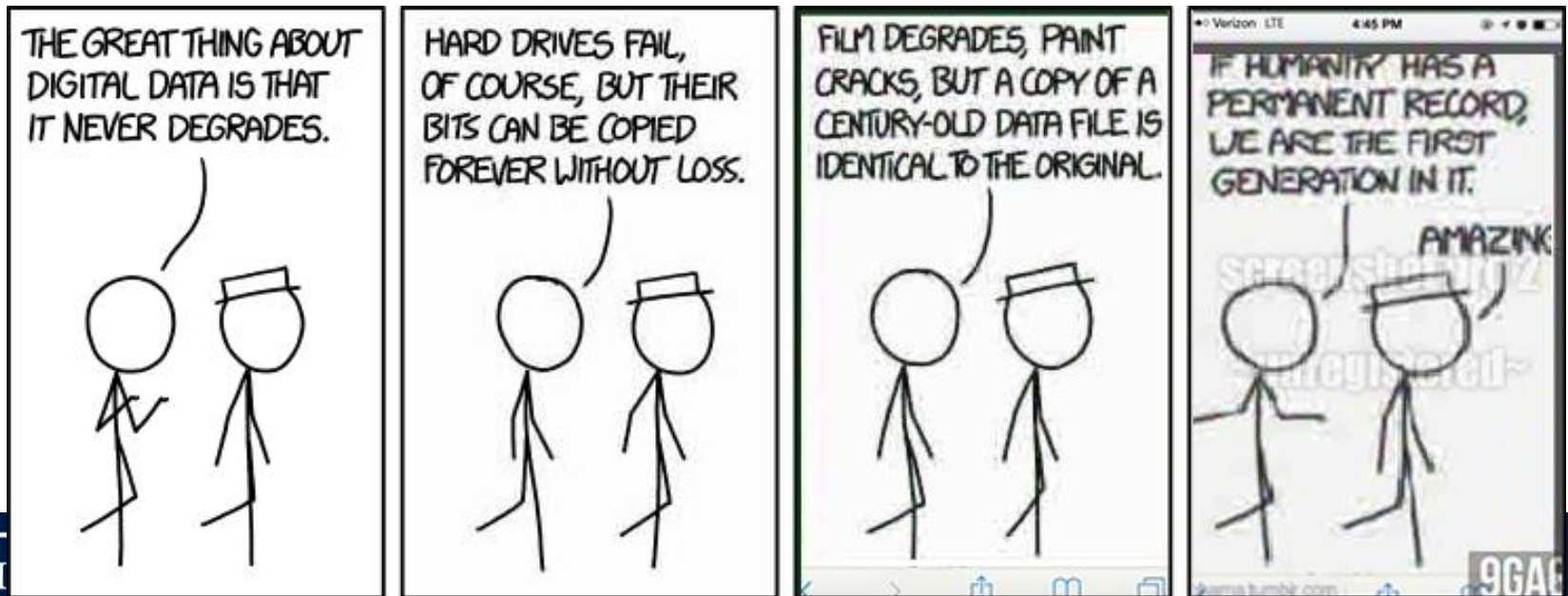
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Kervinen,

National Library of Finland

DHN18, 7.-9.3.2018

Mission

- Most materials, most easily available for most users
 - Researchers, citizens, institutions
- Digitized? Digitisation policy & Time, Quality, Cost



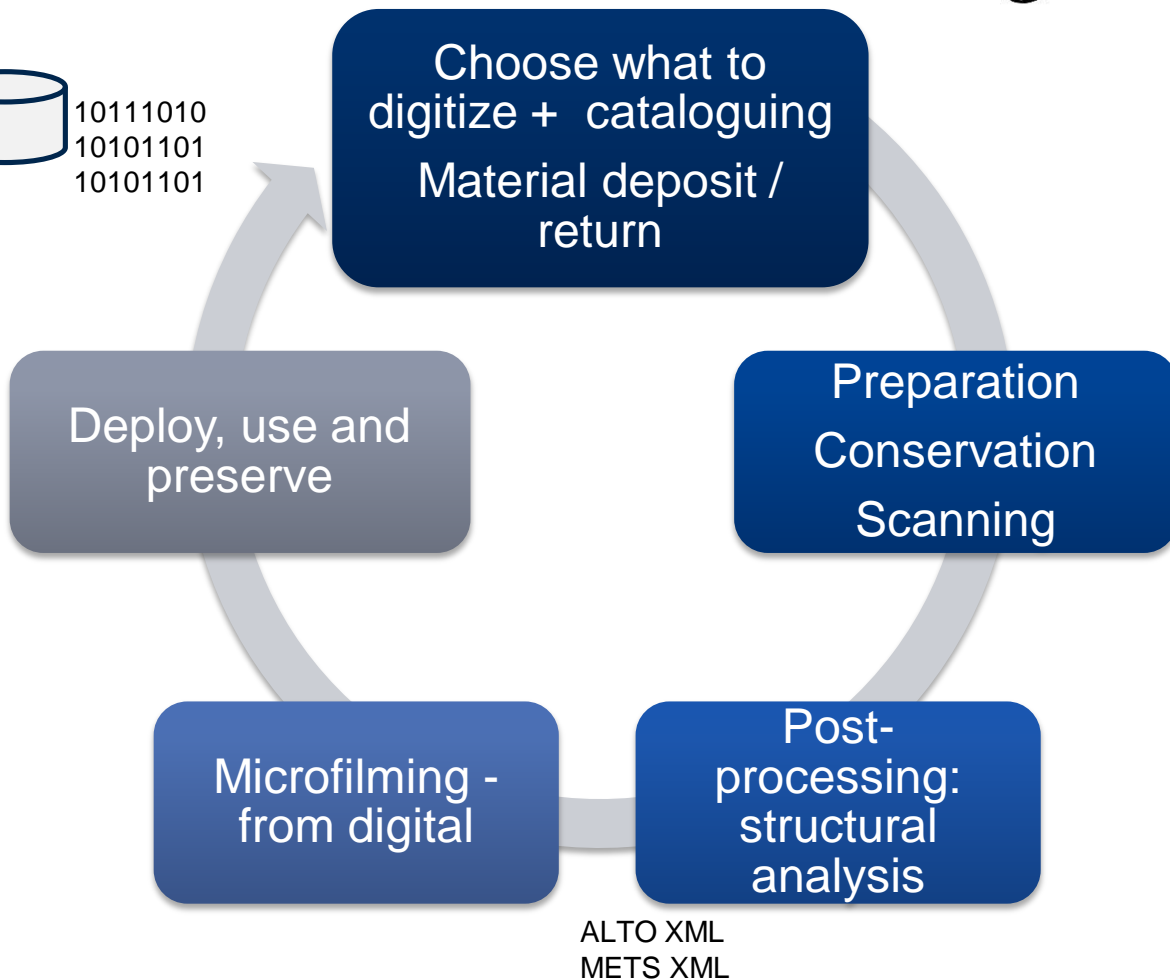
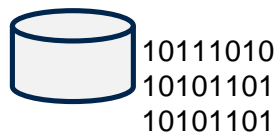
Source: <https://xkcd.com/1683/>

Glimpse to Nordic digitization

- Yesterday, we went past 13 million pages digitized (journals and newspapers combined)

Region	Pages (estimate, million pages)	Material Type	Reference
Denmark	33,3	Newspapers	http://www2.statsbiblioteket.dk/mediestram/avis
Finland	6,0	Newspapers	https://digi.kansalliskirjasto.fi/info?language=en
Iceland	5,4	Newspapers, periodicals	http://timarit.is/about_init.jsp?lang=en
Norway	22	Newspapers	R. Jøsevold, 'Digitization of copyright protected newspapers in Norway' (Liber 2015)
Sweden	17	Newspapers	http://feedback.tidningar.kb.se/viewtopic.php?id=89

Digital chain



Digitisation & presentation system together

Exporter

Importer



Digitisation



Export package (zip)

- Preservation image (tiff)
- Access image (jpg, 300dpi)
- ALTO&METS XML
- Thumbnails
- Pdf

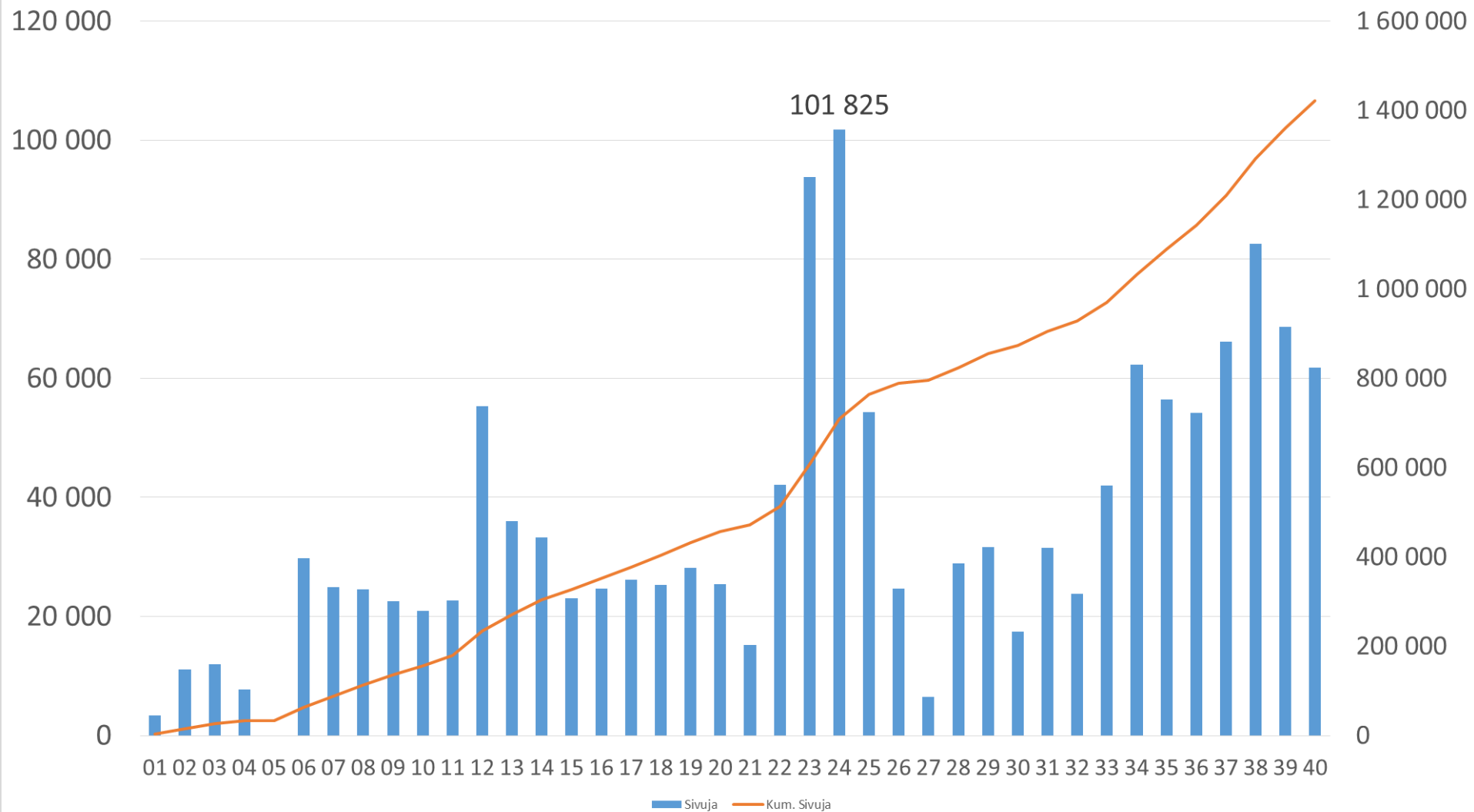
Audit trail of digitization

- Metadata of post-processing stored

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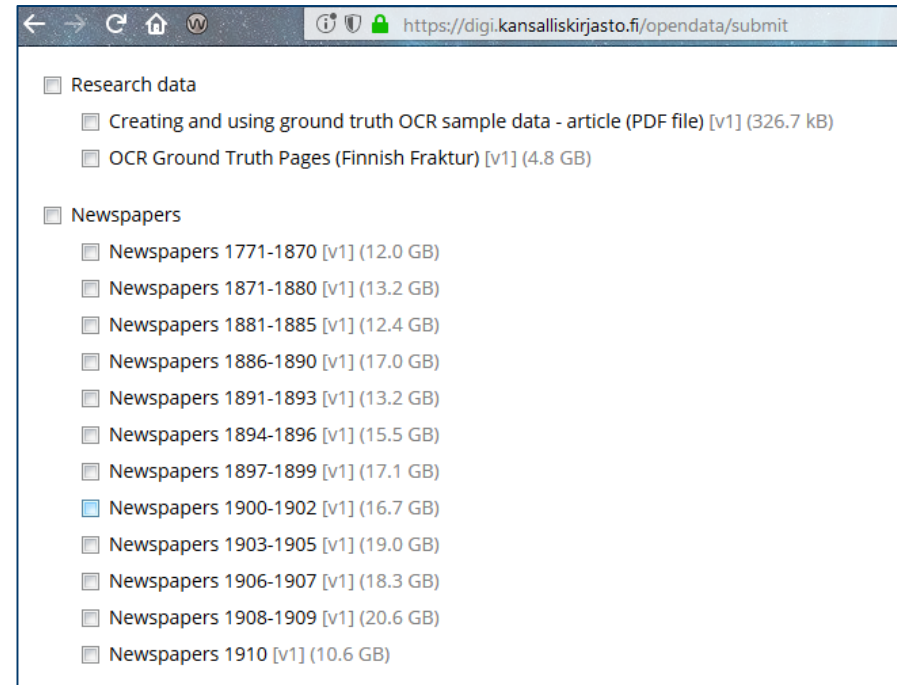
Pages imported per week

Year 2017 , weeks 1 - 40



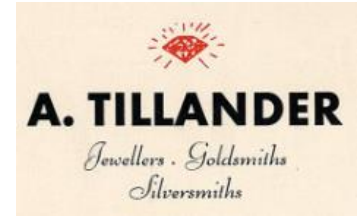
Make room, make room!

- More and more material available as digital/digitized
- New formats and getting existing material digitized requires space somewhere
- Researcher data packages
Enrichment work
 - Re-ocr, illustration content analysis, etc.

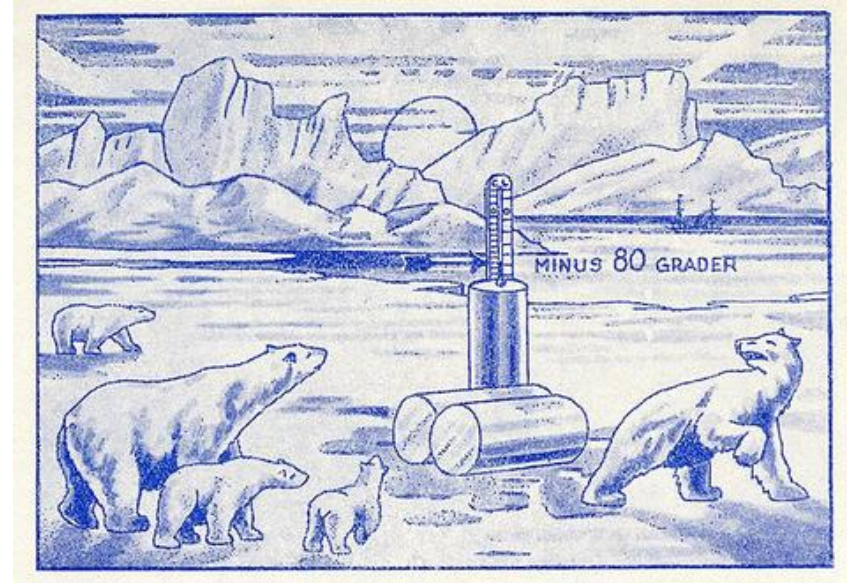


Final words

- More digitized pages available => more users
- Digitisation is a prioritization issue
 - National
 - Organisational
 - Between material types and projects
- Mass digitization & small-scale digitisation to live together?



Thank you!



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Image from: Kuiva-jää Jäähdytystekniikan voittosaavutus, , p. 2
<https://digi.kansalliskirjasto.fi/pienpainate/binding/342428?page=2>
National Library's Digital Collections

References

- K. Kettunen, E. Mäkelä, T. Ruokolainen, J. Kuokkala, and L. Löfberg, 'Old Content and Modern Tools – Searching Named Entities in a Finnish OCR'd Historical Newspaper Collection 1771–1910', *Digit. Humanit. Q.*, vol. 11, no. 3, 2017.
- T. Pääkkönen, J. Kervinen, A. Nivala, K. Kettunen, and E. Mäkelä, 'Exporting Finnish Digitized Historical Newspaper Contents for Offline Use', *D-Lib Mag.*, vol. 22, no. 7/8, Jul. 2016.
- M. Koistinen, K. Kettunen, and T. Pääkkönen, 'Improving Optical Character Recognition of Finnish Historical Newspapers with a Combination of Fraktur & Antiqua Models and Image Preprocessing', in *Proceedings of the 21st Nordic Conference on Computational Linguistics, NoDaLiDa*, Gothenburg, Sweden, 2017, pp. 277–283.
- <https://wiki.helsinki.fi/display/Comhis/>