Yes Please, Both!

Large-Scale Digitization and Legal Deposit of Newspaper in Norway

IFLA Pre-Conference, 14th-15th august 2013, Singapore Newspapers to the People

Mona Løkås

I will talk about...

- Our Digitization Program
- Legal framework
- How we do it
- Key principles and experience
- Examples



Digitization Program

2005:

The National Library of Norway (NLN) decided to start a massiv digitization program:

Digitize the complete analog collection

2013:

- Digital legal deposit (newspaper, radio, TV)
- Digital long term preservation (established, ca 4 petaByte)
- Digital library user experience (www.nb.no)



Legal framework

- NLN has rights to perform digitization for inhouse long-term preservation
- NLN has rights for in-house user access to the digitized collection
- For newspapers especially: agreements with publishers will give access to all the Norwegian libraries



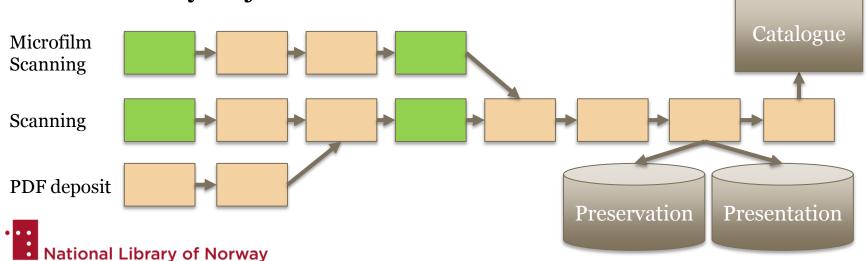
Digitization principles

- **Uniformity**: All objects are subjects to a minimum of QA and processing to ensure a uniform format, naming and structure
 - Metadata: Descriptive, Technical, Preservation, Structure
 - Unique Identificators: URN
 - Format: JPG2000, XML, PDF
 - Quality: 400dpi, 24 bit colour
 - Content: Images, text
- **Automation**: All steps (as far as possible) are automated to ensure uniform an consistent handling
- **Preservation**: All objects are stored in a generic preservation infrastructure in a lossless quality
- **Presentation**: All objects are indexed in a search engine and made accessible on nb.no according to access policy



Production lines

- Automated steps designed to take care of specific tasks.
 - Validation, processing, metadata generation, OCR
- Manual steps for scanning, QA and error handling
- Production database holds information and status of every object



Standard for naming of files

The filenames of the digital newspaper follow a homemade standard:

Aftenposten_Morgen_1_20111011_152_391_1.zip Aftenposten_Morgen_1_20111011_152_391_2.zip

This naming standard makes it possible to automatically transfer all the files to its own metadata system and without no adding of further metadata.



Scanning



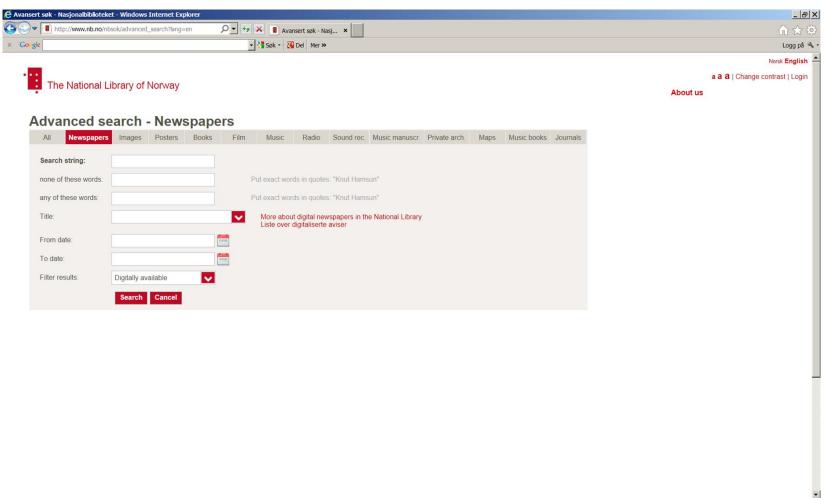
Scanning



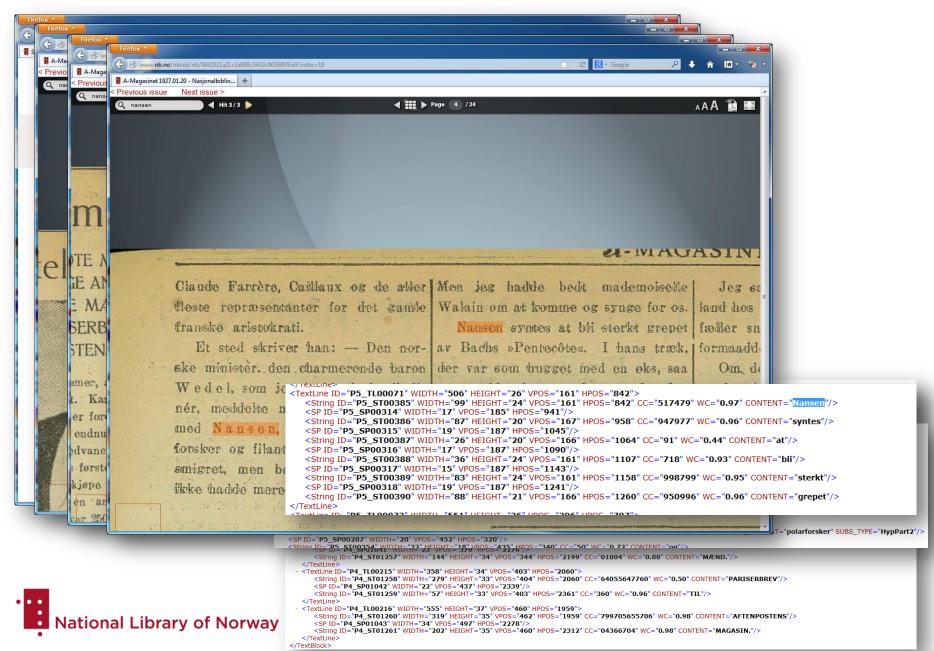
Search for digital content

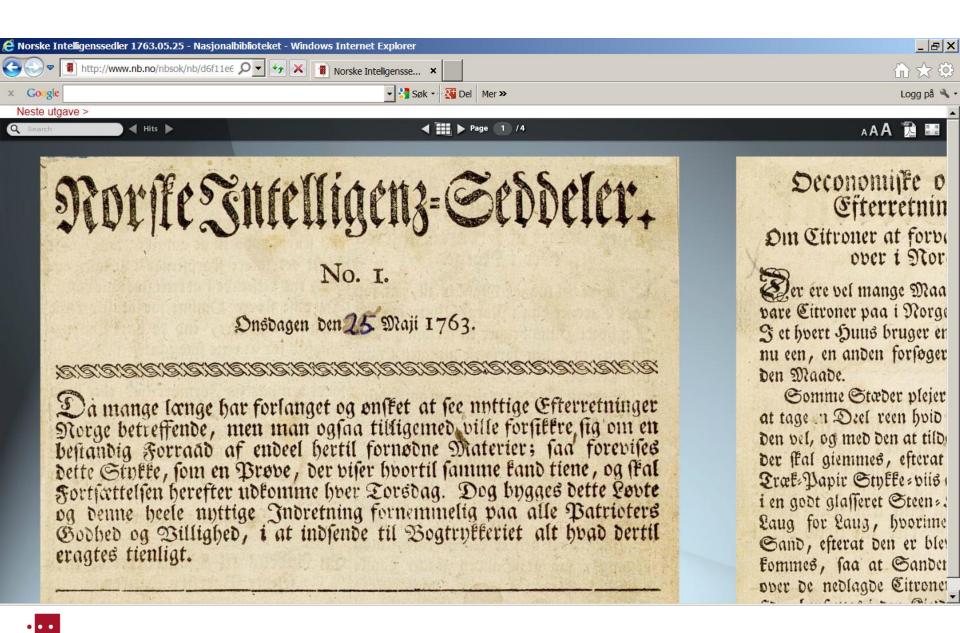


Advanced search



Search





So far ...

- About 17 % of the newspapers are scanned and available from nb.no
- 15 newspapers are deposited as printquality (within 4-5 years, legal deposit established for all 254 Norwegian titles)
- Revision of the legal deposit law



