This is the structure map of my presentation
Digital Switches: between Physical and Virtual

National Library of Norway
Jingru Høivik
According to Foni, Papagiannakis' taxonomy, the classification scheme for digital and visual remediation of cultural artifacts consists of four dimensions:
Degree of virtualization
As Norway's "memory bank" the National Library of Norway is now digitizing all its collections. The library focuses not only on preservation but also on mediation.

We also preserve original digital signals -- the programs of four radio channels are transferred every night to the National Library.
• Up to now all books from select decades of the 19th and 20th century have been wholly digitized.
• Each page of each book is scanned and made available online for free in the PDF format.
• In bokhylla.no you can read about 50,000 books online. Some of them can be downloaded.
• Access to and use of bokhylla.no is free.
• The National Library digitizes about 1,000 books every week, and has digitized more than 120,000 books for conservation over the past two years. When all the bins in Bokhylla are filled, there will be 10,000,000 searchable book pages in the service.

The project for digital books on the Internet has been made possible through an agreement with Kopinor.
Level of visual consistency and precision
• Visual consistency represents the capacity for a visualization attempt to exhibit photorealistic qualities.
• In order to keep high-resolution of images and documents files, JPEG 2000 image system has been used by the National Library of Norway to deliver digitized images.
• Simulating effects of page turning has been made for digital presentations on our website.
Level of automation
• The Norwegian National Library has built two main production lines for semi-automated digitalization processes.

• If a book exists in two or more copies, one copy is selected for the “slaughterhouse”. This implies that the back binding is cut off and the pages organized for sheet-feed scanning which is a time-efficient and cheap procedure.

• If there is only a single copy, though, the item is handled by a semi-automated process. Using levers and suction mechanisms, each page is turned mechanically so that two joining pages are photographed simultaneously by two high-resolution cameras. This process must be supervised by a human operator. Now and then this person has to correct for mechanical errors by the page-turner.

Page-turning scanners
Degree of interactivity
Original map from 1482
Game it - Puzzle

Det første trykte nordenkartet er fra 1482 og viser hva syd- og mellom-europeere visste om Norden på 1400-tallet. Ser man bort fra de opplagte geografiske feilene, som at Grønland henger sammen med den Skandinaviske halvøya, er Norges største og viktigste byer tegnet inn, norskekysten har øyer og fjorder og hele Skandinavia er utstyrt med fjell.

Også i dag er dette de vanligste momentene i en kort presentasjon av Norge og Norden.
I dette puslespillet kan du dra bitene på høyre side og plassere dem korrekt i kartet. Når du har ferdig, kan du lære mer.
The year after the German capitulation at the end of Second World War, a board game was developed that should strengthen patriotism as well as the perception (and myth) that Norway had been steadfast and unified against the German Nazis throughout the war.
What can libraries do with mobile technologies?

- database
- mobile apps
- book loan
- package delivery service
- library news
- SMS/live Q&A
- P2M/M2M online chatting
- Voting
- questionnaire feedbacks
- game-like learning
- research guides
- GPS/maps
- audio/video
- image slideshow
- QR code
• A QR code (Quick Response code) is a type of two-dimensional barcode, readable by QR barcode readers and camera of SmartPhones, iPad or G-Tab, and other mobile devices.

• QRcodes can be used to quickly pull data from the physical or virtual world into mobile phones or other mobile devices.
A QR code can store such as

- SMS
- Text
- URL
- Calendar events
- Geo location
- Phone number
- Contact information
- email / mailing addresses or any other text up to 7,089 characters
Where and how the QR codes could be used in a library?
DAGENS AVISER

Avisaer skal ikke tilb, til avisaer i denne leiligheten.
Legg avisaer tilbake etter bruk.
download mobile apps
forms / Q & A
voice search
voice search
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Thank you!