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Selective Web Archiving at the German National Library
Digital Publications

- Legal deposit for digital publications on carriers and net publications (since 2006)

- On carriers (CD-ROM’s, floppy disks, DVD-ROM’s): Multimedia, educational software, e-books, no games

- E-journals, e-thesis, e-books, digitized books

- Music: CD’s, digitized analogue carriers, files

- Web pages

- Access: At least in the reading rooms
Web Harvesting

- Member of the International Internet Preservation Consortium (IIPC)
- Several event harvests (e.g. elections) with the European Archive
- Selective workflow with German company oia since 2012
- Additional broad crawl of .de domain in 2014
Web Harvesting: Workflow

- Libraries in DNB use special tool to select URLs, parameters and metadata of web sites
- oia use their own crawler to harvest web pages, check the quality and store the data on their own servers
- Metadata will be automatically integrated in the catalogue of DNB
- Exclusive access in the reading rooms of DNB via catalogue and full text search
- Interface for long-term preservation in DNB archival system
**DNB**
- Selection of web sites
- Access via catalogue
- Long-term archive

**OIA**
- Harvesting
- Quality check
- Stored web pages

Connections:
- URLs
- Metadata
- Web pages
- Archival packages (WARC)
Web Harvesting: Status

- Topic related web sites (e.g. federal institutions, cultural organizations)
- Default: Sites are crawled twice a year
- Event crawls (e.g. elections, sports events)
- Co-operations planned for selections of web sites
- Currently ca. 1,700 sites with ca. 8,300 crawls
Crawling of news sites

- Challenging: Updated very often, links to articles no longer on start page, pay-walls

- Financial Times Deutschland (www.ftd.de) was closed down in 2013
  - List of links to all articles was provided
  - Complete crawl was archived and is accessible by full text search

- Workshop with German publishers in 2014
  - Articles are not deleted and links don’t change
  - Advice to use Google sitemaps
  - Skeptical about giving crawler access behind pay-walls
Crawling of news sites: Status

- Test crawl of SPIEGEL ONLINE (www.spiegel.de)
- Import of XML based Google sitemap as source
- Difficulties with crawler parameters
- In discussion
  - How often?
  - Additional crawls of start page
  - Access to pages and articles behind pay-walls