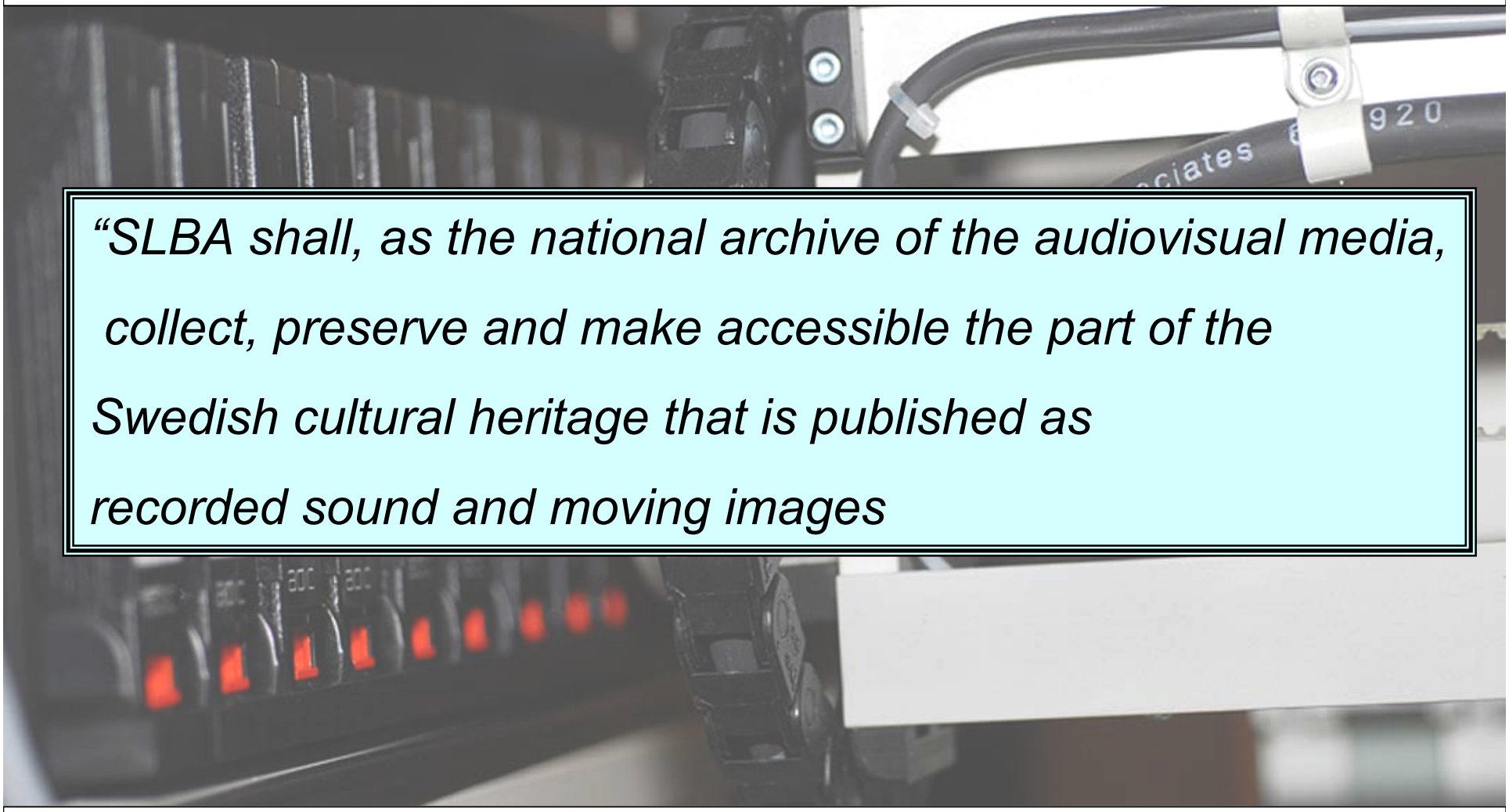
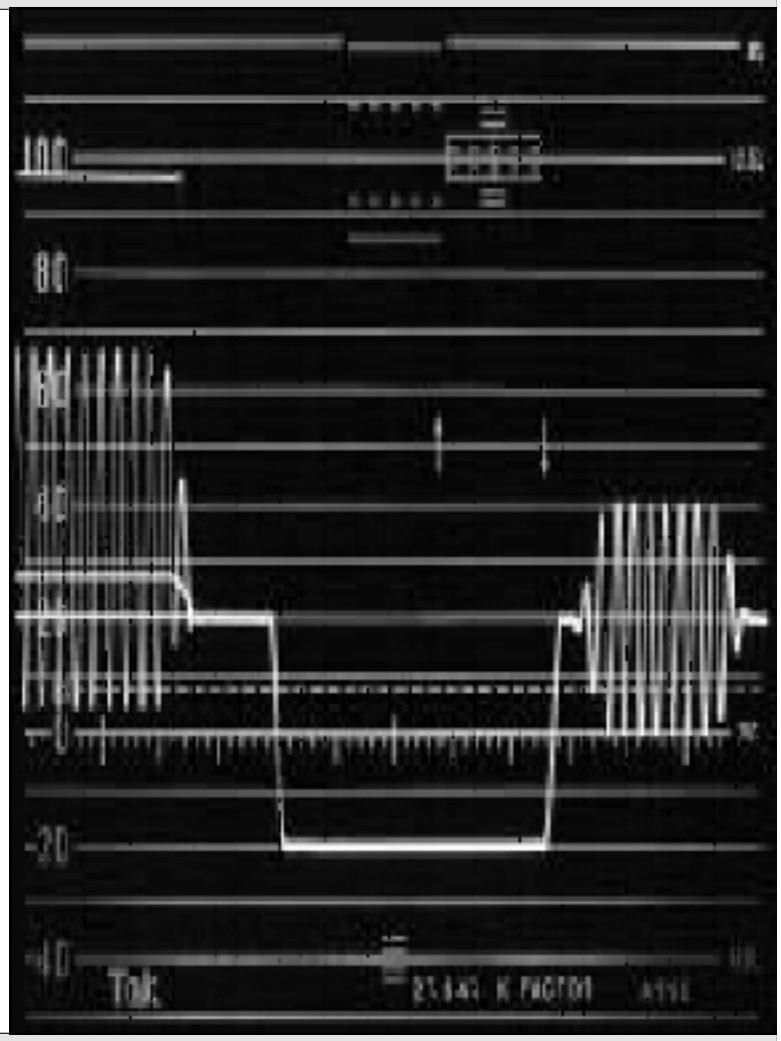


"SLBA shall, as the national archive of the audiovisual media, collect, preserve and make accessible the part of the Swedish cultural heritage that is published as recorded sound and moving images

The National Archive of Recorded Sound and Moving Images
Linus Sjöberg <linus@slba.se>
DLF Fall Forum, Philadelphia, PA - 5 November 2007

- Project Background
- Stakeholders / Requirements
- The Result
- Action shots
- Geeky details
- Long-term preservation
- Q/A



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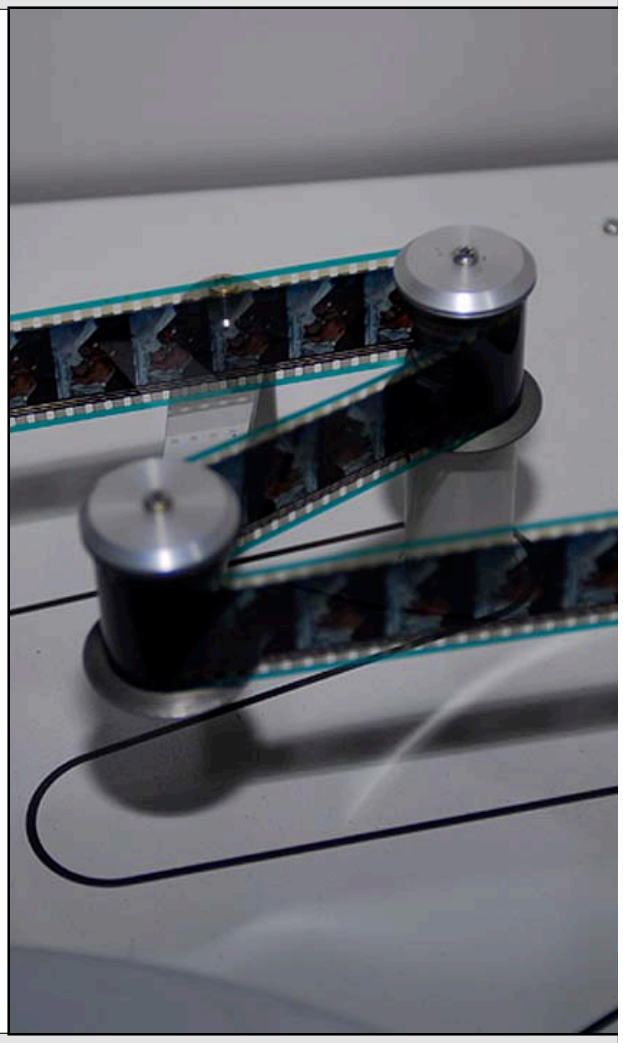
Strength



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Stakeholders / Requirements

- Need to archive and manage essence and metadata
- Development driven by external and internal user needs
- Existing solutions mainly aimed at production/broadcasting
- A need to handle large amounts of material permanently
- Created and managed in-house
- Continuously evolving

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The Result

7500h Open Reel / week

5000h QIC / week

1500h VHS / week

Totally 285.000 hours migrated so far, and counting…

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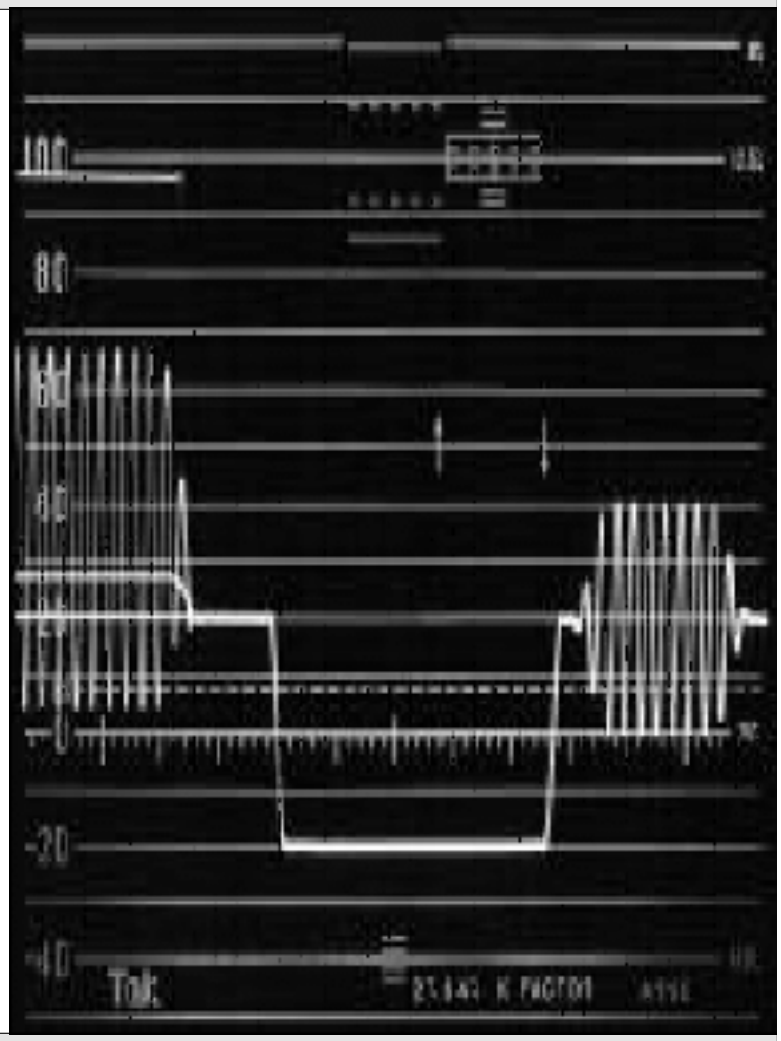
The geeky details…



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Stockholm Project
Open-Reel 4 track

- First selection
  - 500,000 hrs
- 4X transfer speed
  - original 4.75 cm/sec
- 16 simultaneous players:
  - 64 tracks
  - 8 players per operator
- Target format 48/16 BWF

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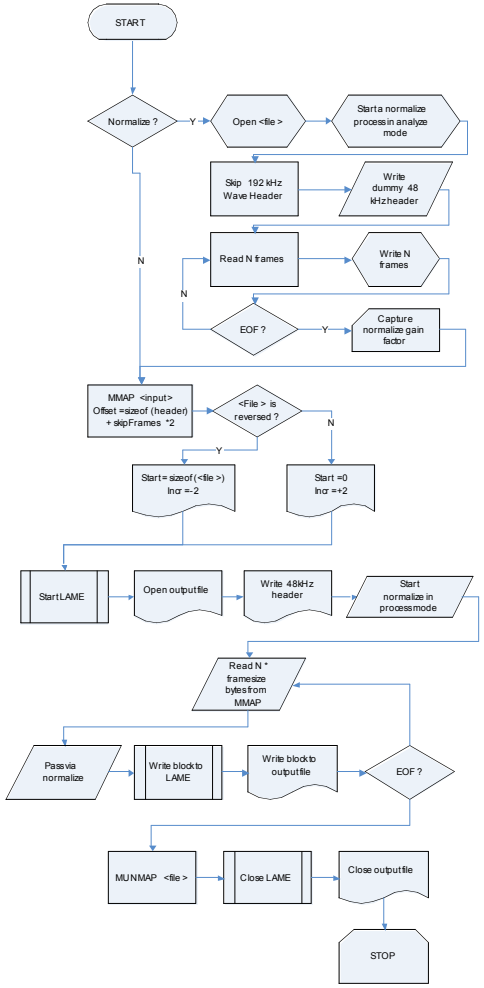
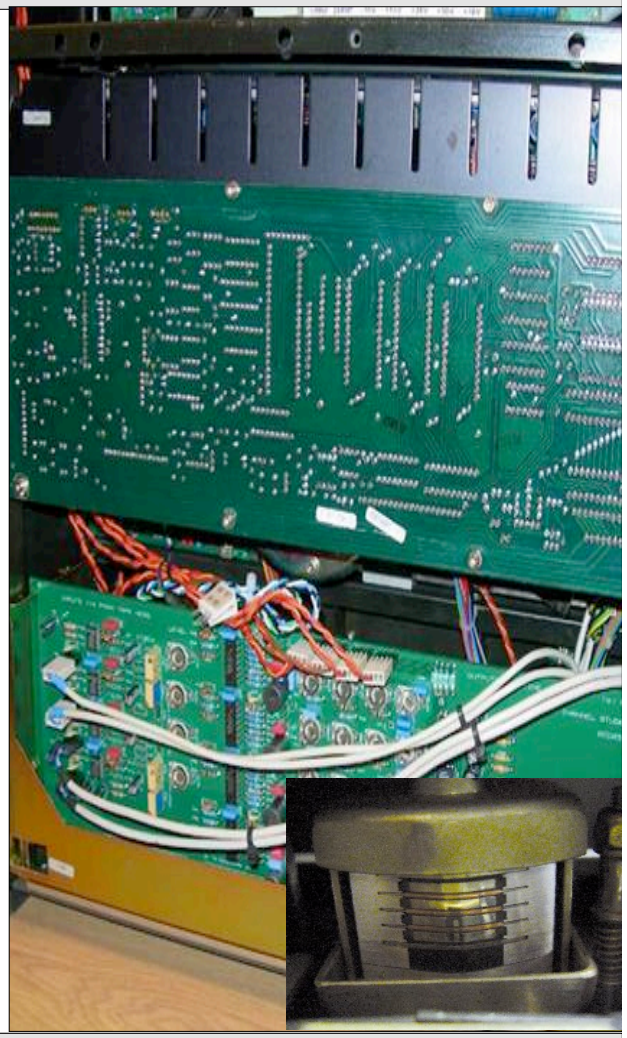


Stockholm Project
Open-Reel 4 track

- Modified players
  - new replay heads
  - new EQ and amplifier circuits
- Software post-processing
  - downsampling
  - normalization
  - silence detection



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Stockholm Project
Quarter inch Cassette (QIC)

- 700,000 hrs
- In-house developed software
- Source format MPEG Layer-2 112 kbps
- Target format MPEG Layer-3 160 kbps
- 24 hours material per cartridge
- 40 cartridges transcoded / day

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Stockholm Project Video Automation

- First selection
  - 220,000 hrs VHS
- 12 simultaneous streams
- Potential future roadmap
  - Digital Betacam
  - DVC-PRO

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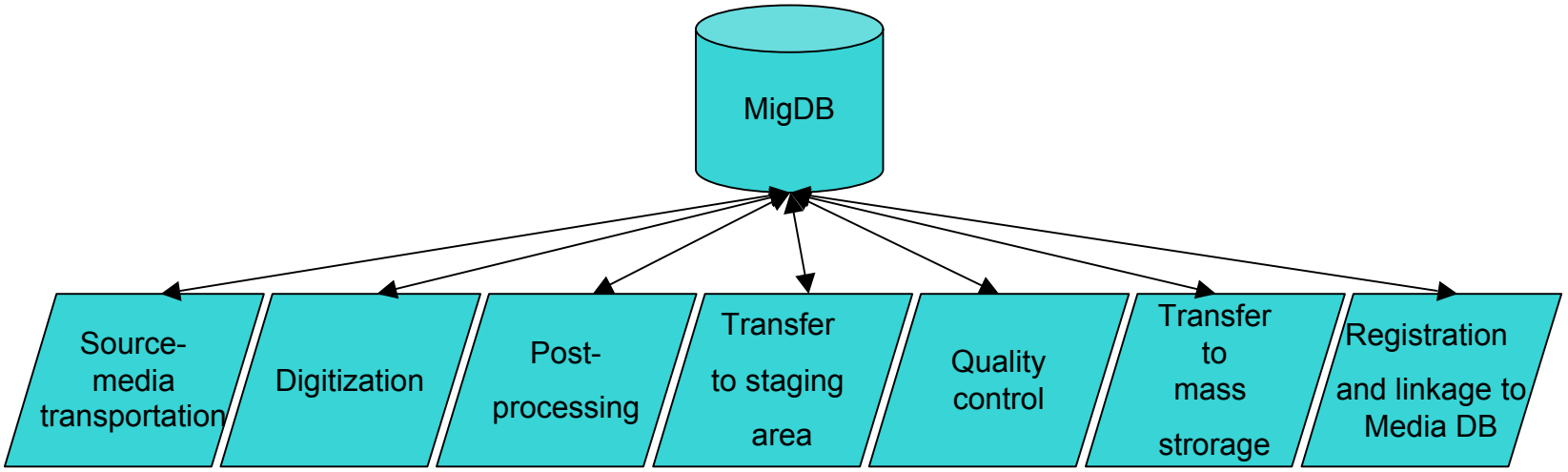
Mass Migration Flow Engine



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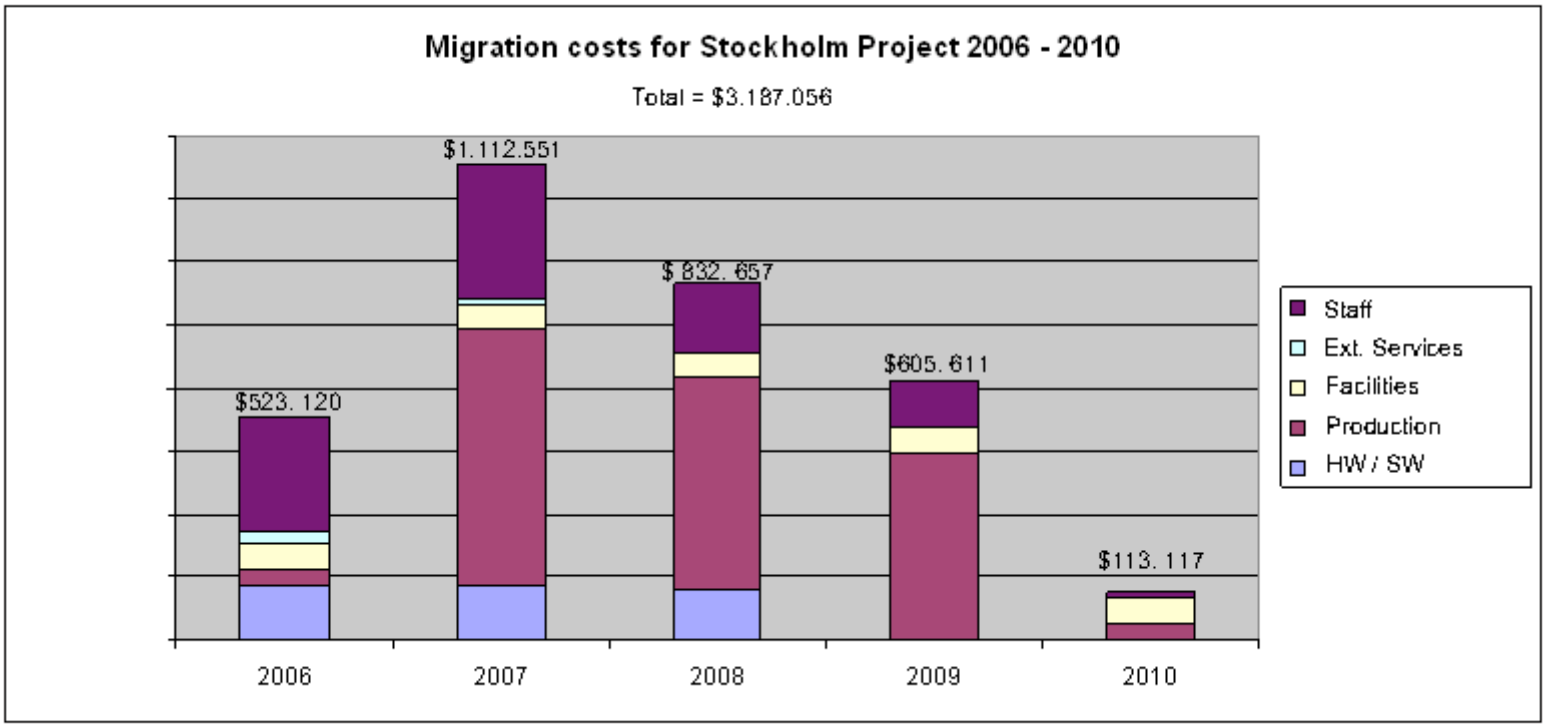

Long-term Digital Preservation

- Logical Archive Format Criterias
- Physical Archive Format Criterias
- Transcodation/Migration Decision points
- Long-term System Architecture planning
- Unsuitable format management
- Metadata management,
- Preserving the Know-How
- Maximizing automation, minimizing manual labour

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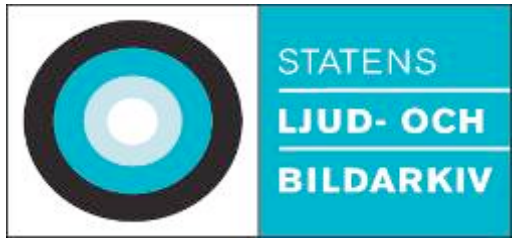
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