

yle Outline

- Yle & the archives
- Clientele and environment
- Digitization, a strategic choice
- Workflows in the archival process
- Metro, Yle's MAM system
- Lessons and future plans

yle 2012

- Budget 440 million euros
- 3100 employees
- 4 + 1 TV channels, 6 radio channels,
 yle.fi and other Internet services
- 20 regional radio services in Finnish,
 5 in Swedish and 1 in Sámi
- 8 regional TV news broadcasts
- 98% of Finns use Yle's services yearly, more than 70 % daily
- Radio production > 200 000 h /year





Who are we for?

Radio archives customers and users:

- Yle's Radio and TV channels, journalists, programme production, news desk
- Independent production companies, joint productions
- Yle's Elävä Arkisto
 'Living Archive' web-service
 yle.fi/elava**arkisto**/
- -Yle Sales -> private and commercial use
- Research community
- = The Finns



Co-operation:

KAVA
IASA
DISMARC
Audio archives in Finland



Years in audio archiving

1926 Yleisradio - The Finnish Broadcasting Company

1934 first recording equipment purchased

1939 tape recorders

1955 Tape depository

1961 Audio archive

1987 online catalog

1989 digital production (DAT)

2001 digital archive system

2007 Yle ARMI (Archives, Media Management and Information Services): "Talteen, haltuun, käyttöön" : Safe - Managed – Utilized

2010 Integrated MAM-system Metro

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The Radio archive collections:

radio programmes, news broadcast, music recordings, radio plays, coverage, sports...

5000 78 rpm shellac records (1935-1950)

250 000 1/4" analog open reel tapes (1950-2005)

50 000 DAT's

35 000 CD-R's

2000 MDI's

80 000 sound effects on 20 000 analog reel tapes

1000 Multi-track 2" analog and DASH tapes

Paper documents



Digitization - strategic issues

Why digitize?

Archival paradigm: Preservation, access and usage, born-digital content

The choice between keeping everything and selecting something:

- -no selection: may be cost effective at first, how about for years to come?
- selection: where are the decisions made, based on what assumptions?

Priorisation: where to start and what next?

- obsolete carriers in danger
- content value, production costs
- availability of playback technology
- on-demand service for programme production needs
- changing business environment

The ingest process

- Selection and retrieval of carriers
- Metadata creation and addition (applies for some material)
- Carrier logistics and preparations for playback
- Audio capture in mass digitization unit
- 24 bit/48 KHz BWF Metro import and final check
- Carrier storage after digitization
- Metadata addition
- Restauration (on demand or systematic)
- Scanning the paper documents and catalogues in the radio archive?

Tools of the trade

2 NOA units for mass digitization and ingest:

Unit 1:

Record: 4 Studer A807s

Medialector: 8 Sony PCM-R500s / Tascam MDCD1

Unit 2:

Record: 3 Studer A807s

In test: NOA CDLector

Sonic SoundBlade HD for audio restoration

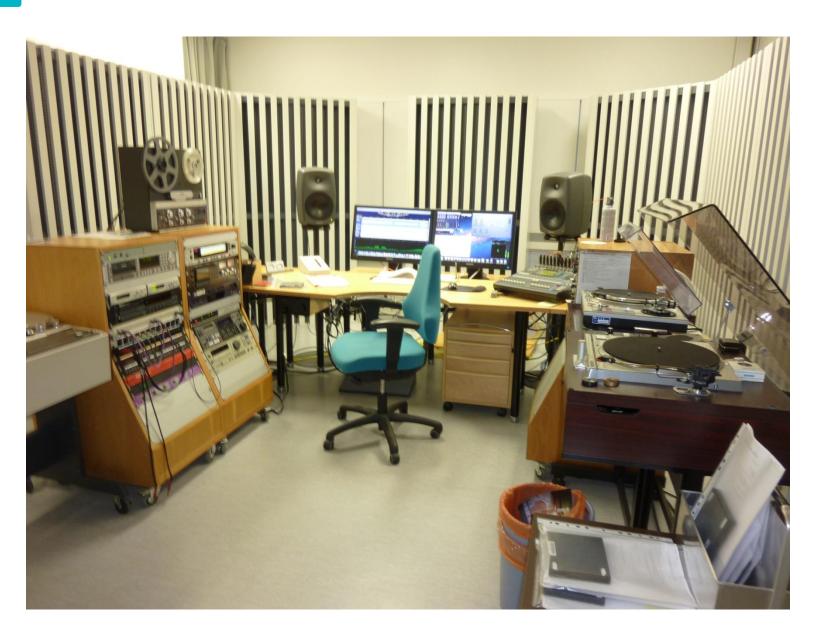
WaveLab workstations for editing, copying and lightweight restoration

yle Mass digitization unit 1



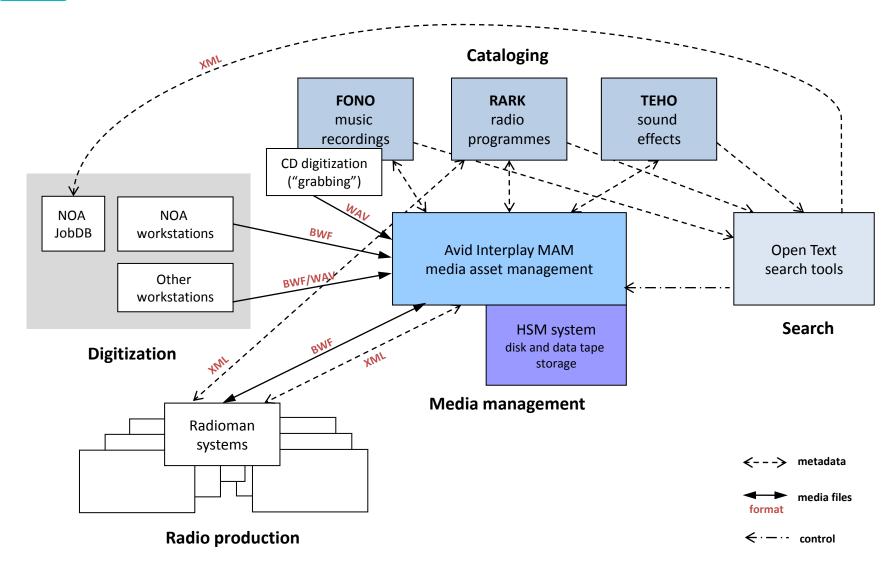


yle Restauration



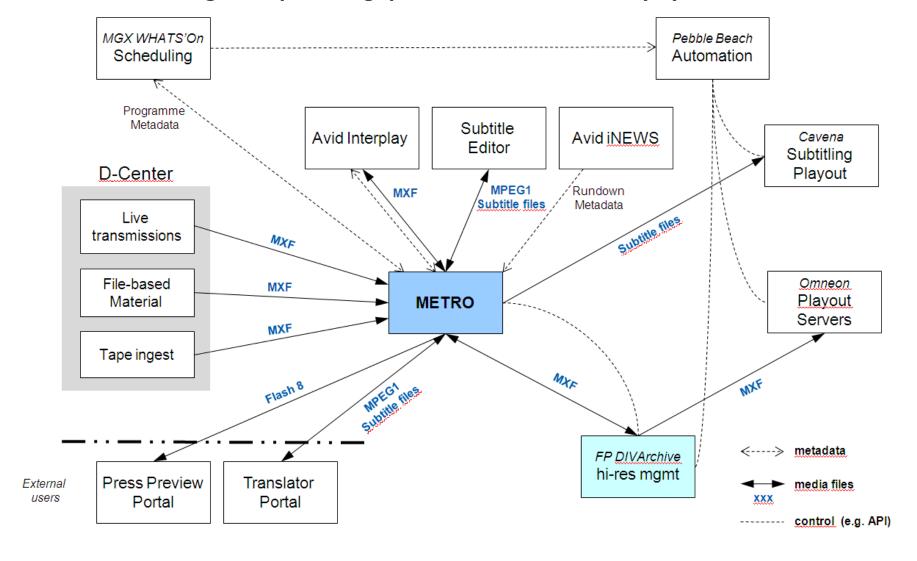


yle YLE METRO for audio





TV - interfacing with planning, production and delivery systems





Number of users

Status as 28.5.2012

- currently > 4 100 registered users
- ~ 3 000 users logged in at least once
- normally 150 200 concurrent users

Number of objects

Video Objects ~ 600 000

Audio Objects ~ 1 600 000

Image Objects ~ 375 000

Amount of material 2 * 1,5 PB (peta bytes)

hires video: 2 x 1,4 PB, browse video: ~25 TB

hires audio: 2 x 100 TB

1,5 - 3,0 TB new material/working day - 0,5 TB/day in weekends

~ 50 TB new material each month

Number of processed workflows

~ 6 500 import/export/subworkflows processed daily



Video objects

•	programme	125 000	metadata of 477 000 programmes
•	clip	61 000	raw material etc
•	web clip	15 000	YLE Living Archive clips
•	trailer	9 000	metadata of 15 000 trailers
•	footage	43 000	EBU, Reuters and inhouse material

Audio Objects

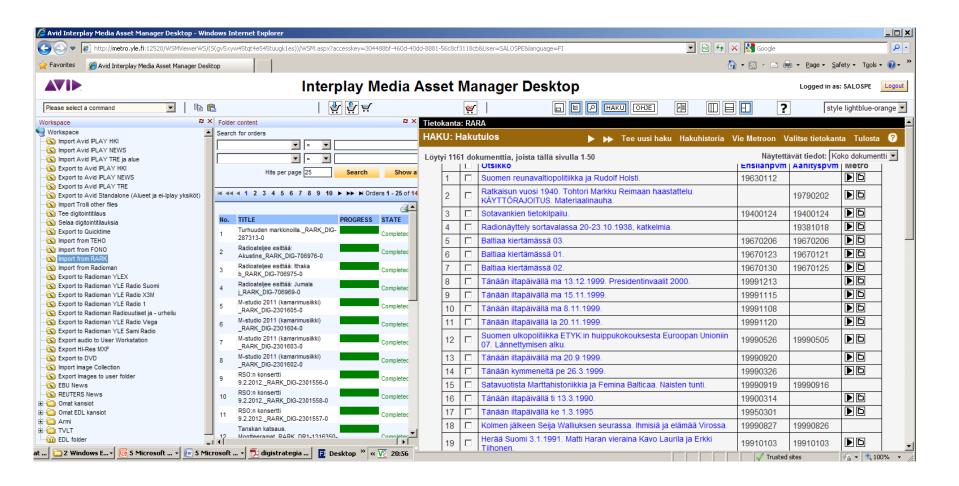
•	audio 1	200 000	radio pro	grammes and audio clips
•	music	335	000	Record Library's music recordings
•	sound effe	ct 40	000	inhouse sound effects
•	amount	200	000 h	audio material
•	metadata	3 000	000	entries in Radio catalog database

Image Objects

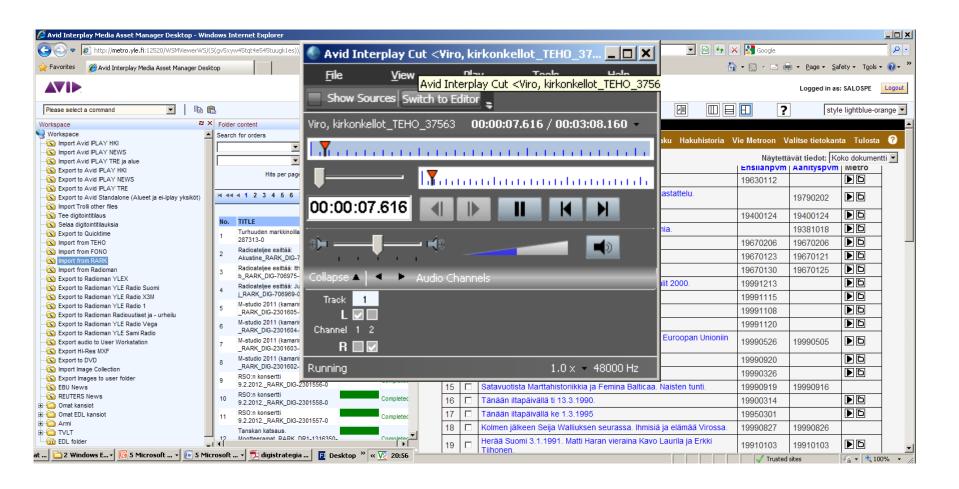
•	image	330 000	metadata of 375 000 images
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yle METRO GUI & PLAYER



yle METRO GUI & PLAYER



Lessons learned, plans for future

- hang on to the original carriers and related metadata
- before migration is over, prepare for the next
- double check everything after updates, both system and organization
- archivists think about the future

To do-list:

- large scale CDR-ingest, data model support
- multi-track recordings, both on tapes and hard disks
- offline metadata in tape binders, cataloging cards, publications etc.
- new cataloging & import system

Thank You! Questions?

