### • • Learning by doing

Digitization of cold war and human rights AV collections at OSA using ffmpeg-based solutions\_a case study

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### • • AV holdings 2019

15'000 hours of time based media 80% analogue



video 💓



audio



500'000 photo prints + negatives 95% analogue

in over 70 archival series

### • • Video formats

VHS PAL + NTSC
S-VHS PAL
BETA SP PAL + NTSC
Hi8
MiniDV
U-MATIC
+ DIGITAL, various codecs, unconsolidated

### Audio + Photo formats

Open reel tapes ¼ inch MC born digital. various codecs

b&w printscolor prints35mm b&w + color negativesborn digital. various compressions

### Highlights of AV

### Interior Ministry propaganda films Hungary 1955-1989

Border patrols at the Iron Curtain, covert surveillance and managing secret agents: almost 300 propaganda and educational films.

16mm 35mm



### Chernobyl. Video interviews by Svetlana Alexievich 1996

Voices from "the zone": interviews with survivors of the Chernobyl disaster ten years after the fact.

VHS PAL



### Hungarian home movies 1925-1985

Hungary at home, at play, and revolting on the streets: amateur films documenting six decades.

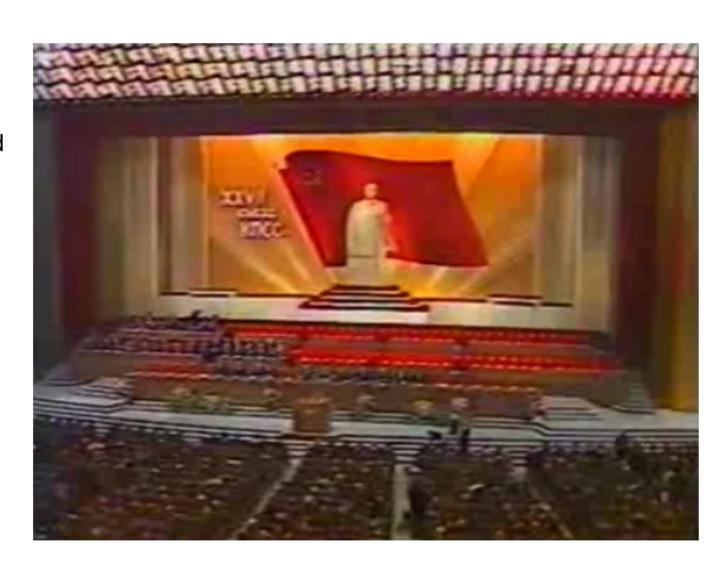
BETA SP PAL + MOV



## Soviet and Russian TV monitoring 1985-1994

840 hours of Soviet Central Television 1985-1991 and Ostankino Television 1992-1994 monitoring

VHS PAL



# • • • IHRLI Video Materials on the Former Yugoslavia Wars 1990-1995



Donation by
Cherif Bassiouni,
Chairman of the
UN Commission
of Experts and
President of the
International
Human Rights
Law Institute
(IHRLI) at DePaul
University,
Chicago, Illinois

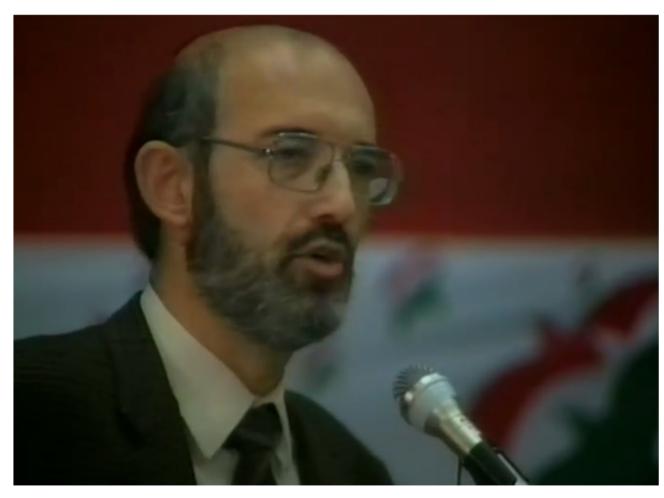
VHS NTSC

### Videos on regime change in Hungary 1988-1996



3000 h of video from an independent media group. Opposition movements, demonstrations,

S-VHS PAL



### Soviet Propaganda Film Collection 1947-1987

Popular science, industry, agricultural, army, nature, music, youth and sport films, and also some newsreels.

#### 16mm



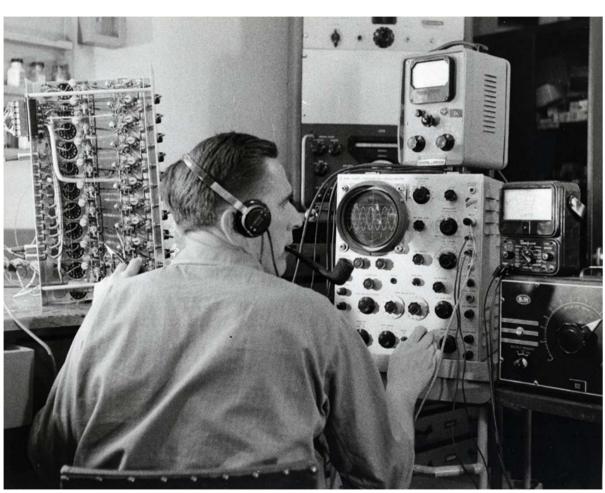


# RFE / RL 1953-1995 Russian language Broadcast Archive

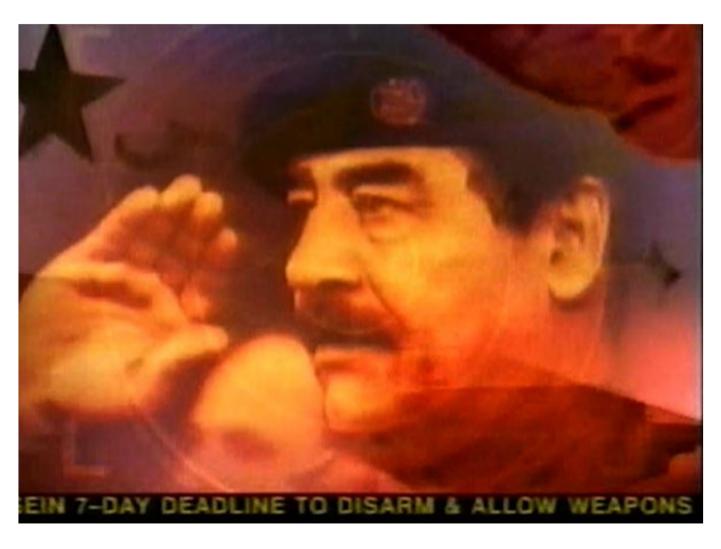


26'147 unique audio files that were produced and broadcast by RFE/RL's Russian Services.

MP3



### Monitoring of the Iraqi Television 2003



Off-air recordings by OSA of patriotic news and propaganda, broadcast by Iraqi State Television during the first three weeks of the 2003 American-led invasion of Iraq.

VHS PAL

### PHR Training Videos 1995-1999



Programs and footage from 1995-1999 on Physicians for Human Rights' work to identify victims of the Srebrenica massacre, including educational programs as well.

VHS PAL

### International Monitor Institute videos 1980-2002



Genocide
Archive 5'000
hours of video
documenting
genocide in
Europe, Asia the
Middle East and
Africa in
the1990s and
early 2000s.

BETA SP NTSC

## AV digital preservation. Preparation phase1

2013 Inventory of analogue AV holdings

- Extent and format per series
- Date of analog carriers (age)
- Descriptive metadata available Y/N (=if catalogued or not)
- Copyright holder: OSA / not-OSA / orphan
- → Priority list for scheduled digitization

# Preparation phase2 Vision for the future

2016 business case by AV archivists + IT negotiated with the management

→ institutional commitment \$\$

Consensus: OSA needs a consultant=external expert
Terms of reference TOR phrased

### • • External expert

- to assess OSA's capability for longterm digital preservation
- to define standards, practices, systems, workflows and tools for digitizing AV content for long-term preservation
- to develop a digital preservation strategy

# Consultancy + training March 2017

- Built on the understanding of the reference model for OAIS
- Readiness to learn + a set of skills for transcoding and using ffmpeg@OSA
- 2-day consultancy + training in ffmpeg, qctools
- 2017.07: "Microservices in AV Archives"
- Worflows+tools: defined and designed

# Workflow 1: Digitizationand Pre-Ingest\_AV staff

Manual part of the workflow, managed by the AV team

- Start with raw materials = archival analogue master
  - scenario1: contents already described;
  - scenario2: contents will be described following digitization

# Workflow 1: Digitization and Pre-Ingest – cont.

Through identification assignment (physical barcoding), chipping barcode into AMS, digitization, quality control, and approval the *preservation master* is created and is on external HDD, submitted to IT

\_equipment, settings and artifacts by Darius Krolikowski, AV Archivist