



Final Showcase

of

PrestoPRIME

FP7-ICT-2007-3 231161

Future Projects: DAVID

Peter Schallauer, JOANNEUM RESEARCH

DAVID - The Project

- **Digital AV Media Damage Prevention and Repair**
- FP7- ICT Call9
- Objective 4.3 Digital Preservation
- Dec 12 – May 15
- STREP

DAVID Partners

■ R&D

- JOANNEUM RESEARCH Forschungsgesellschaft mbH
- University of Southampton - IT Innovation Centre



■ Industry

- Cube-Tec International GmbH
- HS-ART Digital Service GmbH



■ Archives

- Institut National de l'Audiovisuel
- Österreichischer Rundfunk



DAVID Motivation

- Vast amount of new digital AV content
 - ~8 mil. hrs professional content over last decade in Europe [1]
- Digital storage is not perfect
 - Video tape based
 - Magnetic tape degradation
 - File based
 - Corruption can be on bit, sector, block, file, drive, tape.... level
- How to keep AV content usable in the face of technical obsolescence, media degradation, and failures in the very people, processes and systems engaged to keep AV content safe?



© Daniel Hoherd

- [1] PrestoPRIME 2009 Audiovisual digital preservation status report,
<http://www.prestocentre.org/library/resources/audiovisual-digital-preservation-status-report-1-2009>

DAVID addresses...

- How does damage occur in digital file and digital video tape based systems?
- What are the consequences of this damage on the ability to make use of audiovisual content?
- How can this damage be efficiently monitored and detected?
- Accepting that damage will occur, how can content be repaired to enable re-use?
- How can the technical quality of content be improved beyond the original state to satisfy requirements of new use channels?

DAVID addresses...

- How can effective risk management and quality assurance techniques be built into preservation systems so that the systems themselves become more robust and resilient?
- How can better preservation techniques be incorporated directly into the devices and systems that produce born digital content?
- How can all this be done at scale and at speed for large audiovisual collections?

Presto
PRIME

KEEPING
AUDIOVISUAL
CONTENTS
ALIVE

FINAL
SHOWCASE

21.- 22.11.2012
VIENNA

DAVID

Digital AV Media Damage Prevention and Repair

Peter Schallauer

Audio Visual Media Group

DIGITAL - Institute for Information and Communication Technologies

JOANNEUM RESEARCH

E-mail: peter.schallauer@joanneum.at

Web: <http://www.joanneum.at/digital>