



**Digital AV Media
Damage Prevention
and Repair**

DAVID Introduction

Peter Schallauer, JOANNEUM RESEARCH

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The Project

- Digital AV Media Damage Prevention and Repair
- FP7- ICT Call 9
- Objective 4.3 Digital Preservation
- Dec 12 – May 15
- STREP

- Vast amount of new digital AV content
 - ~8 mil. hrs professional content over last decade in Europe [1]
- Digital storage is not perfect
 - Digital video tape based
 - Magnetic tape degradation
 - Digital 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?



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



DAVID Approach

- Understanding Damage
- Preventing from Damage
- Detecting & Repairing Damage
- Improving Quality



DAVID Challenges/Objectives

- Understanding Damage
 - 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?
- Preventing from Damage
 - 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?



DAVID Challenges/Objectives

- Detecting & Repairing Damage
 - 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 all this be done at scale and at speed for large audiovisual collections?
- Improving Quality
 - How can the technical quality of content be improved beyond the original state to satisfy requirements of new use channels?



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





Contact

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>