DAVID

DIGITAL AV MEDIA DAMAGE PREVENTION AND REPAIR

Understand

- How damage occurs
- Consequences of damage on use of AV content

Detect & Repair

- Effectively detect content damage
- Repair content to enable re-use
- Scale for large AV collections

Video Damage

Media Degradation
Format Incompatibility
System Failure
Workflow Change

Prevent

- Build effective risk management techniques into preservation systems
- Incorporate better preservation techniques into systems to produce born robust content

Improve Quality

- Upscale content while maintaining quality
- Enable new use for old content

Prototype Integration and Evaluation

Into existing systems and standardised services

The DAVID project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 600827.

www.david-preservation.eu

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Technology Results

Damage Detection

- DigiBETA Dropout Detection
- Interlaced/Progressive/Pull-Down Detection
- Field Order Detection

Damage Repair

- Advanced Field Error Repair
- Noise Reduction
- DigiBETA DropOut-Repair
- Video Echo and Overshoot Correction
- MXF D10 Repair Workflow with MXF Legalizer
- Defect Detection & Repair Workflow (incl. CubeWorkflow, VidiCert and DIAMANT Film)

Damage Prevention

- Risk Management Framework - Design and Simulate Risks in Preservation Workflows
- Preservation Metadata Aggregation Service

Standardisation

- MPEG Multimedia Preservation Application Format
- EBU Quality Control
- EBU/AMWA FIMS Quality Analysis

More info at http://david-preservation.eu/spotlights/

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