

News Content History – Analyze reuse of video footage across broadcaster news

Media Management & Delivery

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News Content History (NCH) - Description

- Originating from FP7 EU- Integrated Project CUBRIK Oct. 2011 – Sep. 2014
- NCH detects content relationships among news items:
 - Identify reuse of the same footage across broadcaster news
 - Which news parts have been reused / left out by broadcasters who reported on it? Which was the original source?
 - Visualize relationships, allow for user feedback / validation
 - Tool for analysts, journalists, historians
- Commercial exploitation:
 - Archive / repository cleanup
 - High accuracy In-House content tracking
 - Copyright and provenance aware storage solutions

Underlying Technology

- Video Segment Matching
 - Video feature extraction of standard features at selectable sampling rates (i.e. temporal accuracy)
 - Two stage matching algorithm (coarse/fine) to increase matching speed
 - In-memory matching data base
 - API and CLI tool for easy usage
- Scalable Storage System:
 - Mongo DB / GridFS extended with tools for authentication and provenance

Products continued by Fraunhofer IDMT

- **Video Segment Matching**
- **Copyright Aware Content Storage**
- **Copyright Aware Crawler**

Demonstrator screenshots

