

# \*\*\* PRESS RELEASE \*\*\*

## ReCAP Project to Debut Proof Of Concept AI at NAB

Las Vegas, NV—April 2017. The Realtime Content Analysis and Processing (ReCAP) project consortium announced that it will demonstrate a working prototype of its groundbreaking video analysis technology in the Futures Park at NAB 2017 (Booth N1639FP). The ReCAP software platform will enable media companies to automatically analyze and extract time-stamped, descriptive and technical metadata, in real-time, from live broadcast-quality video content and to process existing archive content.

ReCAP is the product of a consortium that includes British media technology solutions provider New Media Research (NMR); ToolsOnAir, an Austrian developer of applications that integrate broadcast quality ingest, playout, shared storage, and real-time graphics; nablet, a German provider of streaming, codec, muxing, and transcoding solutions; and Austrian nonprofit Joanneum Research (JRS), which focuses on applied research. The project is partially funded by a €1 million grant from Horizon 2020, a European Union fund that supports making technology commercially available and affordable for small to medium-size enterprises.

“Customers with live video workflows or existing archived video are never going to have time to watch, analyze, and make decisions about all of their content,” explains NMR CEO Neil Anderson. “ReCAP will provide a range of automatic content-analysis services to form an affordable, scalable, open, and flexible platform designed to enhance metadata-driven media workflows and realize the value of content archives.”

The final ReCAP product will deliver time-stamped, real-time descriptive analysis of video and audio content, including objects, logo, face detection, and content duplication. It will also provide automatic detection of quality impairments, such as lost/frozen video frames, block dropouts, visible macroblocking, and estimation of sharpness and noise, as well as potentially automatic quality improvement, interpolation of image regions or entire frames, denoising, and block artifact suppression. Additional ReCAP benefits include archive enrichment, such as identifying objects, locations, duplicate or similar content; identifying logos and on-screen text (OCR); and automatic speech-to-text (ASR) to search for content.

Broadcast-quality video with real-time metadata streams will be available for instant review in a web browser based timeline, with analysis and further processing in commercial Media Asset Management (MAM) systems, workflow orchestration tools, and transcoding software by means of open and documented APIs. The ReCAP product will support on-premise, data center, and Cloud deployment models.

A stakeholder board of major broadcasters, news organizations, and content owners is working closely with the project implementation team to provide feedback and check progress, ensuring the final product meets the industry’s need for automatic media content analysis and that it satisfies real world use cases and workflow challenges.

The ReCAP Project consortium will offer a series of demos at major trade shows and technology conferences such as IBC, NAB New York and SXSWi, as well as at local partner

events over the next year. The ReCAP project website ([www.recap-project.com](http://www.recap-project.com)) will be regularly updated with blog postings, white papers, and online video demonstrations. Updates will also be posted on Twitter (@ReCAP\_Project).

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