

# CREATING A MESH OF MULTIMEDIA NEWS FEEDS

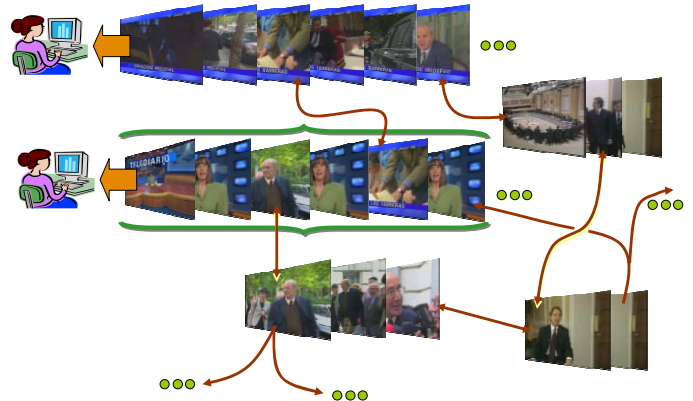
P. Villegas<sup>1</sup>, N. Sarris<sup>2</sup>, J. Picault<sup>3</sup>, I. Kompatsiaris<sup>4</sup>

<sup>1</sup>Telefónica I+D, Spain <sup>2</sup>Athens Technology Center, Greece, <sup>3</sup>Motorola, France, <sup>4</sup>ITI-CERTH, Greece

## Motivation and Objectives

- ❖ Extract, compare and combine meaning from multiple multimedia news sources
- ❖ Create advanced personalised multimedia summaries
- ❖ Syndicate summaries and content
- ❖ Provide end users with a “multimedia mesh” navigation system

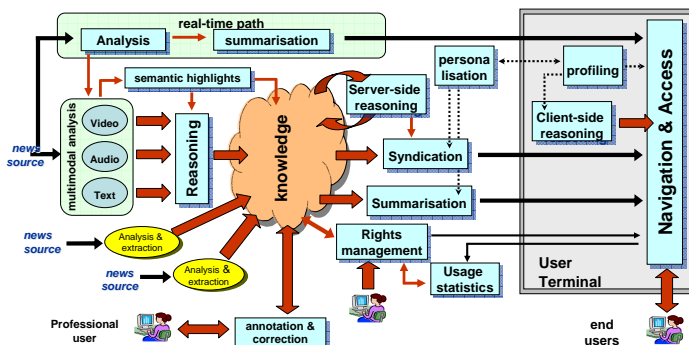
## The Multimedia Mesh Concept



## MESH value chain



## General Architecture



## Conclusions

### ❖ Emerging multimedia content market

- Facilitate the discovery and exploitation of multimedia content, with special focus in the area of News.

## Enabling Technologies

### ❖ Knowledge-assisted multimodal analysis, reasoning and annotation

- Extraction of semantic information from content
- Definition of domain ontologies
- Rules for multimodal analysis

### ❖ Summarisation

- Extension to content-based summarisation
- Advances in semantic summarisation
- Real-time summaries

### ❖ Personalisation

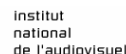
- Different granularity levels: stable profiles, recent interests and real-time analysis
- Contextual personalisation
- Support of constrained environments

### ❖ Multimedia content adaptation

- Use of available format, metadata, context, etc.
- Decision about tool, parameter selection and adaptation modalities

### ❖ Reasoning for syndication and access

- Semantic comparison
- Combination of meaning from different sources
- Creation of a coherent set of annotations



This project is partly supported by the European Commission through the FP6 IST Framework Programme

