



# CAMS proposal Context Aware Multimedia Searching

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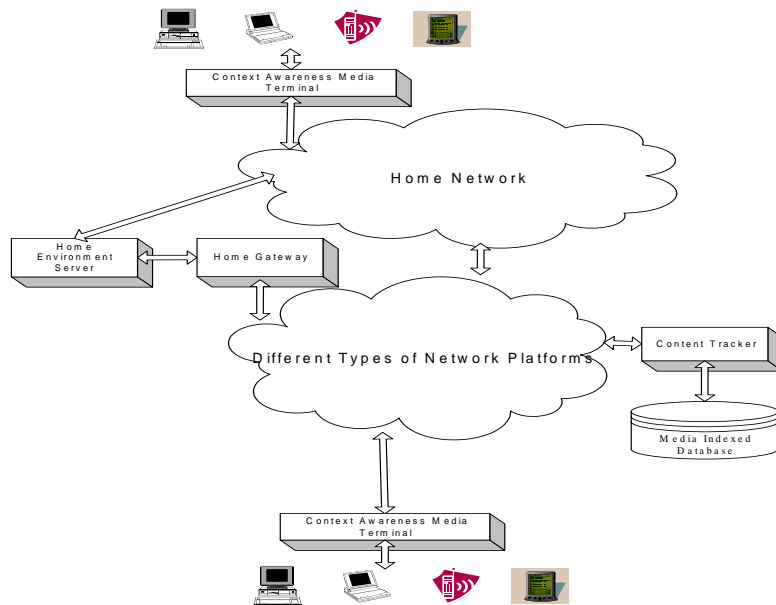


## Proposal Objectives

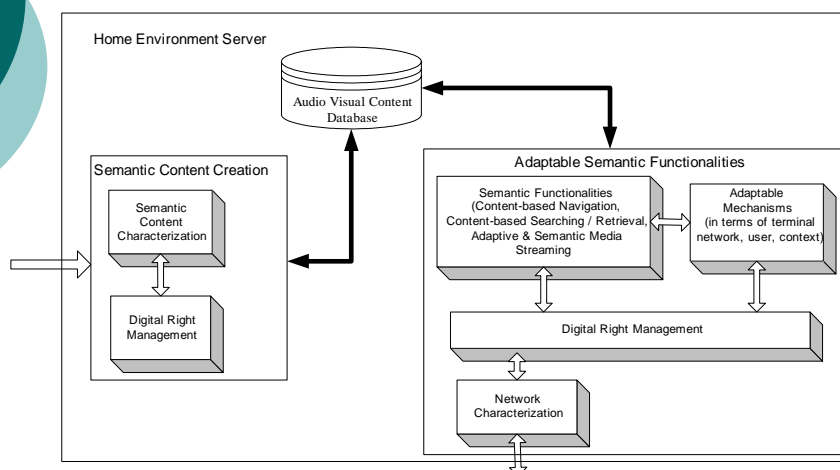
### CAMS

- Provides **technological innovations for semantic content – based AV access**
- allows for **self AV content characterization and description**
- Encodes AV content metadata using the **MPEG-7 standard**
- Promotes **semantic-based AV data handling**.
  - navigation of AV information in a **content-based framework**.
- Enables **semantic enriched functionalities for AV searching and filtering**
- **Interoperably** describes **the resources, context and rights** based on the framework of **MPEG-21**
  - **Av Content representation is not enough for** transparent and augmented use of AV resources
- Supports **content rights description** and efficient **right management for secure and right protected sharing** of AV content across complex interoperable networks.
- Ensures **semantic content oriented peer to peer networking** scenarios
- Introduces **adaptable methods for scalable content delivery to any type of media, cross any network to any terminal device**.
- Interoperably represents the context aware services using the **MPEG-A framework and the Multimedia Applications Formats (MAFs)**

## Project Architecture



## Environment Server Structure



## Potential Impact

- Increase utilization of the network
  - Only the useful information is transmitted to the end-users
- Increase the response time
- Allow cross media queries and associations
- Enable transparent and augmented use of AV resources across a wide range of networks and devices used by different communities

## Current Partners

Participant no.	Participant organisation name	Participant org. short name
1(coordinator)	Institute of Communications & Computer Systems of the National Technical University of Athens (Greece)	ICCS/NTUA
2	Technical University of Berlin (Germany)	TUB
3	Tampere University of Technology (Finland)	TUT
4	Sony Espana (Spain)	SONY
5	TechnoTrend AG (Germany)	TechnoTrend
6	Telefónica Investigación y Desarrollo Sociedad Anónima Unipersonal (Spain)	TID
7	Hellenic Broadcasting Corporation (Greece)	ERT
8	Solutiona, S.A. (Spain)	Soluciona
9	ANCO SA Agencies - Commerce & Industry (Greece)	ANCO

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