

## Affiliation



**OVIDIUS (On-line VIDEo Indexing Universal System) provides remote access to video content from fixed and mobile environments with fine granularity browsing, navigation and retrieval functionalities**

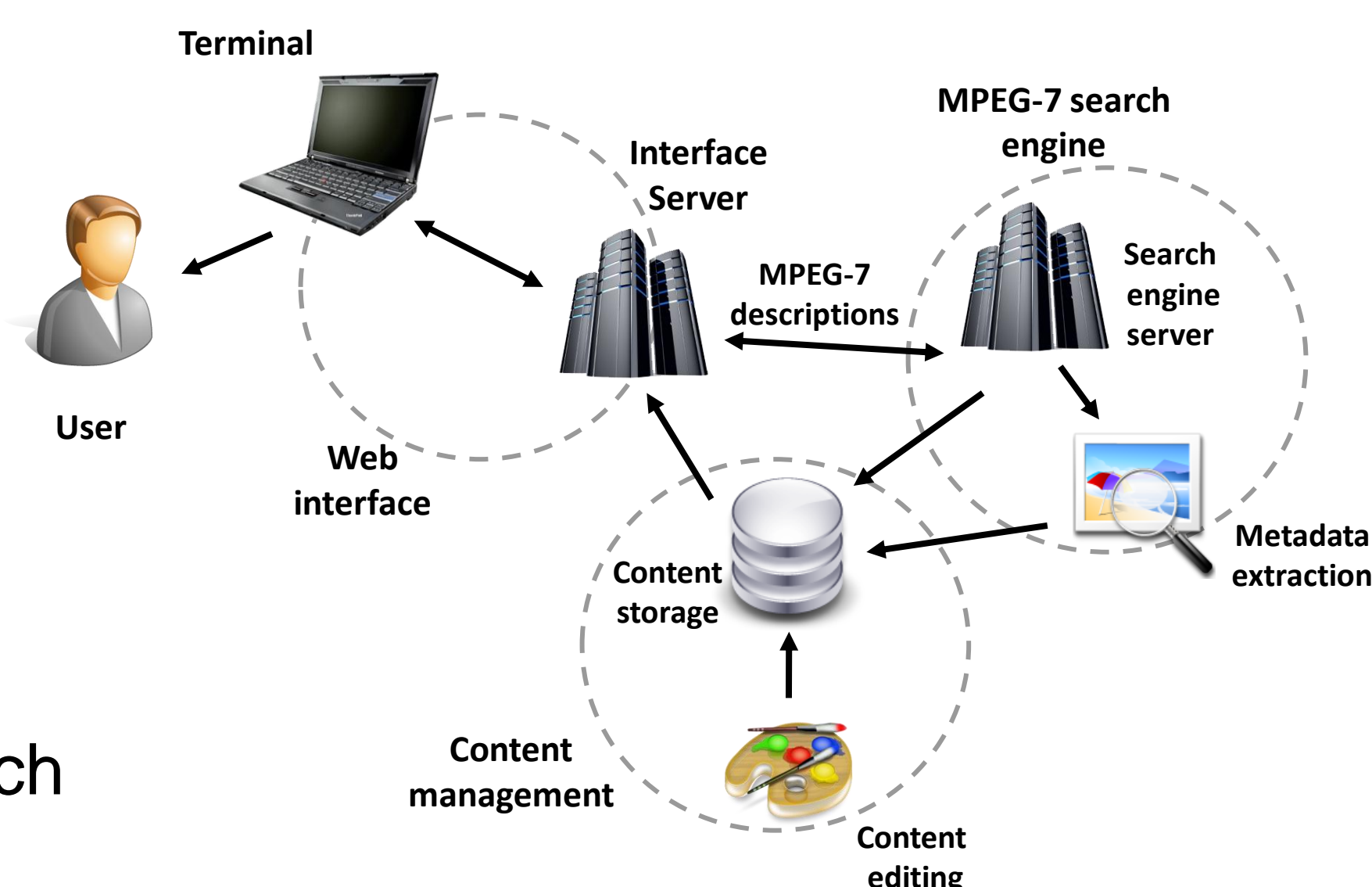


## Context and objectives

- Increasing use of *smartphones* for video consumption but limited functionalities for video navigation and retrieval on mobile platforms
- Need of dedicated tools for query formulation, metadata driven visualization/navigation and ergonomic user interaction
- Rapid video browsing and access to specific segments of interest

## Contributions

- Modular and distributed architecture implemented with the help of web services (facility to upgrade & expand)
- Core interoperability achieved with open MPEG-7 standard technologies
- Fine granularity access to video content, based on the MPEG-7 structural approach for video content description



- Advanced interaction functionalities integrating browsing, search, and hierarchical navigation/visualization
- Support of both textual, content-based and hybrid queries
- Compatibility with a vast variety of platforms

## Perspectives

- Extension with new, advanced descriptors and extraction engines
- Elaboration of an object detection / recognition / retrieval framework

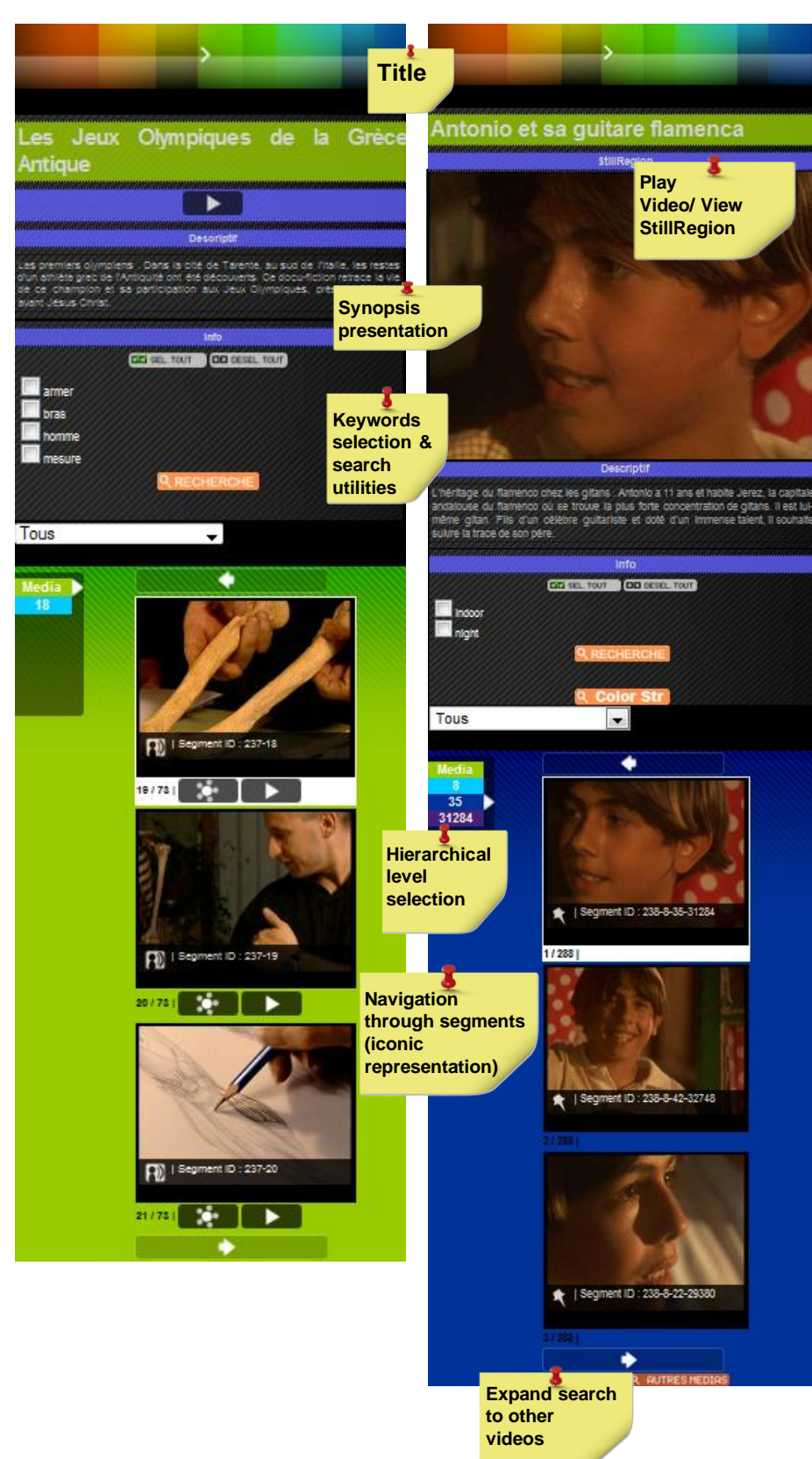


## Authors

Andrei BURSUC  
Titus ZAHARIA  
Françoise PRETEUX

ARTEMIS Department  
Institut TELECOM  
TELECOM SudParis  
UMR CNRS 8145 MAP5

9, rue Charles Fourier  
91011 Evry Cedex  
France



This work has been partially supported by:

