

**APIDIS research prepares future evolutions of the content production industry towards automated infrastructures allowing content to be produced, stored, and accessed at low cost and in a personalized and dedicated way.**

As a federating objective, APIDIS targets cost-effective autonomous production, so as to make the creation of audiovisual reports profitable, even in case of small- or medium-size audience.

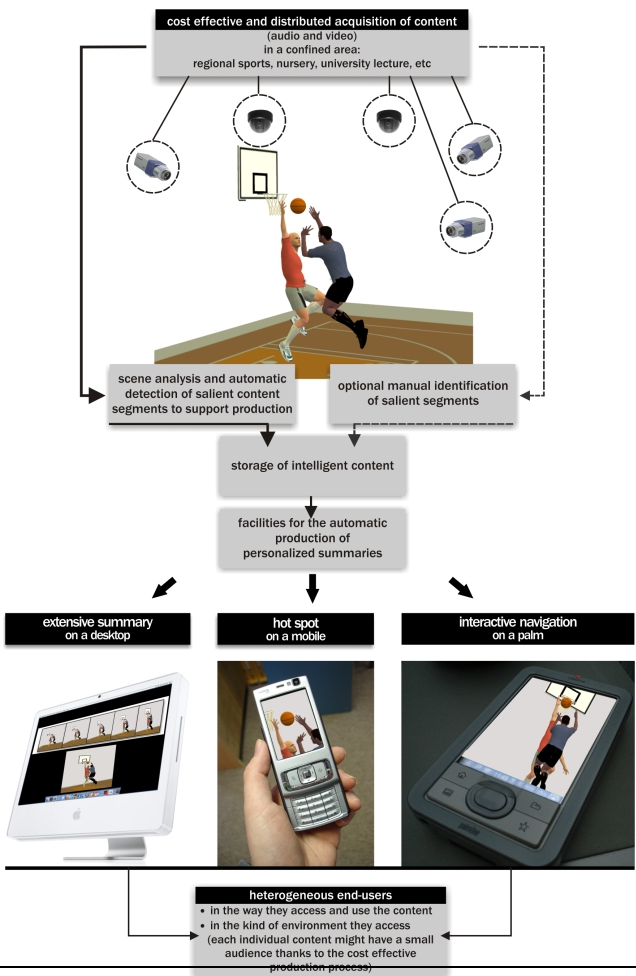
First, APIDIS investigates the automatic extraction of intelligent content from networks of multi-modal sensors. Intelligence refers here to the identification of salient segments within the audiovisual content, using distributed scene analysis algorithms.

Second, APIDIS exploits that knowledge about segments of interest to automate the production of video content for controlled scenarios, e.g. most notably sports events or surveillance. It considers personalized and potentially interactive content summarization mechanisms, to address heterogeneous user needs and access conditions.

The potential applications of the integrated technology and methodologies developed within APIDIS are numerous, ranging from personalized access to local sport events through a web portal or a mobile hand-set; cost-effective and fully automated production of content dedicated to small-audience, e.g. souvenirs DVD, university lectures, etc; but also interactive browsing and automated summarization for video surveillance.

**Participate in APIDIS Breakthrough Innovations as a *USER GROUP MEMBER***

In a typical application scenario, the APIDIS acquisition sensor network is composed of microphones and still (omnidirectional) cameras, e.g. to cover a basketball court. Distributed analysis is exploited to interpret the scene and decide what to show about the game.



**An important component of APIDIS is the User Group** that will be consulted to support the use cases and requirements definition and will be invited to evaluate both mid-project proof-of-concepts and final user-field trials. **If you are interested in participating in APIDIS as a techno-user** - exploiting APIDIS technology to offer novel services and to tap new markets for your customers - or as an **end-user** - watching the images produced by the APIDIS technology-, let us know!

APIDIS is an ambitious and challenging project with the potential to **benefit national and European markets with a wide range of exploitable results**. The **user-centered design approach** adopted by APIDIS builds on a thorough understanding of the context of use.

Help us to understand how you exploit visual content and what your requirements are. Tell us your feelings and interests regarding the potential services offered by the APIDIS technology. **Help to shape and validate the breakthrough innovation and benefit from the APIDIS achievements**. Participate in questionnaires and/or semi-structured interviews to help define user requirements and create user scenarios.

**Participate in APIDIS Breakthrough Innovations as a *USER GROUP MEMBER***APIDIS CONTACT: Christophe De Vleeschouwer, [devlees@tele.ucl.ac.be](mailto:devlees@tele.ucl.ac.be) 32 10 472543**APIDIS Facts**

APIDIS will investigate the automatic extraction of intelligent content from networks of multi-modal sensors. It will exploit that knowledge to automate the production of video content for controlled scenarios (sports events or surveillance). The project will consider personalised and potentially interactive content summarization mechanisms to address heterogeneous user needs and access conditions.

The potential applications of the integrated technology developed within APIDIS are ranging from:

- personalized access to video related to sport events through a web portal or a mobile hand-set;
- cost-effective and fully automated production of content dedicated to small-audience, e.g. souvenir DVDs, university lectures, etc;
- summarization and interactive access capabilities for fluent videosurveillance content browsing .

APIDIS is an ambitious and challenging project that builds on recent scientific and technological breakthroughs in the fields of user-centric design, signal processing, computer vision, machine learning, but also planning and optimized decision process. The APIDIS Consortium is made up of leading experts from academia and industry:

Université catholique de Louvain	UCL	Belgium
Queen Mary& Westfield College, University of London	QMUL	United Kingdom
Ecole Polytechnique Fédérale de Lausanne	EPFL	Switzerland
Fundació Barcelona Media Universitat Pompeu Fabra	BM	Spain
ACIC sa	ACIC	Belgium
Mediapro	MP	Spain

**Project coordinator:** Université Catholique de Louvain (UCL), Belgium

**Project type:** STREP, FP7 Grant Agreement Number 216023

**Start Date:** 2008-01-01 Duration: 36 Months

**Project Cost:** 2615541 Project Funding: 1,925,000

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APIDIS is  co-funded by the European Union under the seventh framework programme.