



## REVEAL THIS: RETRIEVAL OF VIDEO AND LANGUAGE FOR THE HOME USER IN AN INFORMATION SOCIETY

[www.reveal-this.org](http://www.reveal-this.org)

In the Content Access Market today, broadcasters and SMEs are building networks and technology to exploit digital media. At the same time, the broadband media market develops rapidly with new media players joining in and new business models emerging. In this context, innovative content processing technology has a role to play ...

### What does REVEAL THIS do?

REVEAL THIS develops semantics-based content processing technology that:

q helps people keep up with the explosion of digital content scattered over different platforms (radio, TV, World Wide Web), different media (speech, text, image, video) and different languages

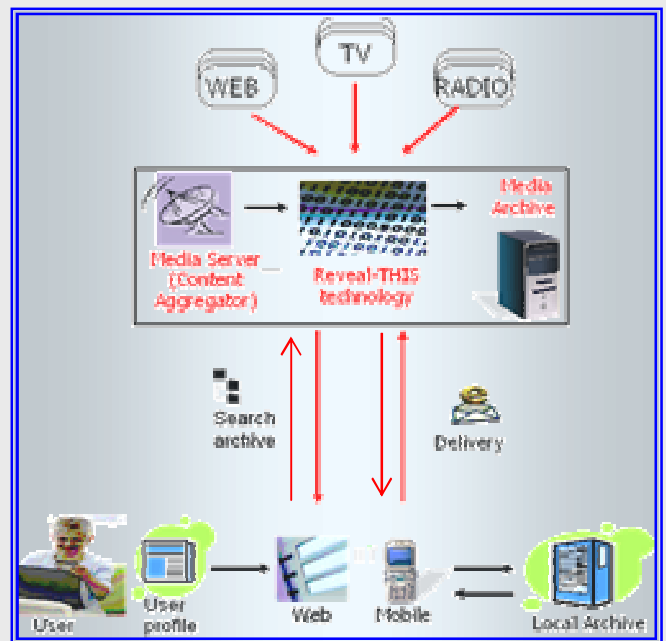
q provides users with search, retrieval, categorization, summarisation & translation functionalities for multimedia content, through the use of automatically created semantic indices & links across media

### Who can use REVEAL THIS?

content providers who want to add value to their content, restructure and re-purpose it and offer personalised content to their subscribers, and

end users who wish to gather, filter and categorize information collected from a wide variety of sources in accordance with their preferences

### Push and Pull Use Scenarios



### What is innovative in Reveal This?

q semantic enrichment of multilingual multimedia content with events, their participating entities and with topics, all relevant to user profiles

q development of suitable cross-language, cross-media

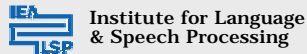
q deployment of the representations in building search, retrieval, categorisation & summarisation capabilities

q mobile and web access to multimedia content for both professionals and laymen

**REVEAL THIS**  
*is designed to offer information services for EU politics & travel, in English & Greek*

## REVEAL THIS

is a thirty-month-STREP project funded by the FP6-IST programme of the European Commission (October 2004 – April 2007). It is designed and implemented by the REVEAL THIS Consortium:



*Institute for Language and Speech Processing (GR), Language Technology Applications Department*  
<http://www.ilsp.gr/>

ILSP is a research institute with activities in the fields of theoretical, applied and computational linguistics, natural language processing and engineering, computer assisted language learning, speech processing, synthesis and recognition.

*ILSP is the Coordinator of REVEAL THIS, responsible for data collection and handling, system specification, semantic text processing, text summarization and multimedia summarization.*



*SAIL LABS Technology AG, (AU)*  
<http://www.sail-technology.com/>

Sail Labs Technology AG is a company with a focus on product oriented and long term R&D tasks. Its aim is to provide components and solutions for the next generation language technology products, focusing on speech processing, content technology, Machine Translation, authoring tools and multilingual document processing.

*In the framework of REVEAL THIS, SAIL LABS provides the Automatic Speech Recognition technology and performs system integration.*



*Xerox Research Centre Europe (FR)*  
<http://www.xrce.xerox.com>

Xerox Research Centre Europe is committed to inventing and designing document technologies that enhance productivity and creativity in the workplace. XRCE is well-known for its work on various multilingual Natural Language Processing applications.

*XRCE's work involves the design and scientific evaluation of prototypes for image and text categorization, for cross-media categorization and machine translation.*



*Center for Processing Speech and Images, Katholieke Universiteit Leuven (BE),*  
<http://www.esat.kuleuven.ac.be/psi>

PSI carries out research on the acquisition, processing and generation of audio-visual signals with the application of this research to real world problems.

*KUL implements technologies on video segmentation, keyframe extraction, face detection, face identification and scene labelling.*



*Department of Computer and Information Sciences, University of Strathclyde (UK),*  
<http://www.cis.strath.ac.uk/>

CIS supports a range of research groups many of which are involved in developing information-centred technologies Computers in Education, Digital Libraries in Networked Environments, Global Information Management Systems, Knowledge and Information Retrieval, Pervasive and Global Computing and Multimodal Information Access research groups.

*USG is responsible for the development of the cross-media indexing component, for user requirements analysis and usability evaluation.*



*BE TV (BE),*  
<http://www.betv.be>

BE TV is a pay television company who transmits programs composed of fictions, documentaries, sport events, own productions, and promotion tapes. It has pioneered innovative technological solutions in a continuous quest to offer new types of services to the customers.

*BE TV is user partner, content provider and evaluator of the REVEAL THIS prototype.*



*TV Eyes (UK),*  
<http://www.tveyes.com/>

TV Eyes is a company specializing on monitoring TV and radio broadcasts with the goal of automatically notifying users of "interesting" content received over the air. TV Eyes has a user base comprising corporate customers as well as individuals.

*TV Eyes is a user partner, content provider, evaluator of the REVEAL THIS prototype and responsible for market watch.*

**REVEAL THIS on the Web:**  
<http://www.reveal-this.org>

- q Download REVEAL THIS project highlights
- q Download REVEAL THIS related publications
- q Stay updated with REVEAL THIS demonstration releases

**Contact Information:**

Stelios Piperidis,  
Language Technology Applications Department  
Institute for Language and Speech Processing  
Artemidos 6 & Epidavrou, 151 25 Marousi,  
Athens, Greece.  
Tel. +30 210 6875430 E-mail: [spip@ilsp.gr](mailto:spip@ilsp.gr)