

INTER-SOCIAL Unleashing the Power of Social  
Networking for Enhancing Regional SMEs

Kickoff meeting Ioannina December 2<sup>nd</sup> 2011



The Interactive Technologies Lab **Human-  
Computer Interaction Group**  
University of Patras

Nikolaos Avouris

[avouris@upatras.gr](mailto:avouris@upatras.gr)

# Where we are ... Patras in Western Greece



<b>Country</b>	 Greece
<b>Capital</b>	Patras
<b>Regional units</b>	<b>List</b> <span style="float: right;">[hide]</span> Achaea Aetolia-Acarnania Elis
<b>Government</b>	
• <b>Regional governor</b>	Apostolos Katsifaras (PASOK)
<b>Area</b>	
• <b>Total</b>	11,350 km <sup>2</sup> (4,382.3 sq mi)
<b>Population (2005)</b>	
• <b>Total</b>	753,267
• <b>Density</b>	66.4/km <sup>2</sup> (171.9/sq mi)
<b>ISO 3166 code</b>	GR-G
<b>Website</b>	<a href="http://pde.gov.gr/gr">pde.gov.gr/gr</a>

University  
of Patras



# The University



- u **The 3rd Greek University in terms of academic staff and number of students**
- u **22 academic departments**
- u **Over 20,000 students currently registered of undergraduate and postgraduate level**
- u **Largest campus in Greece**
- u **Long history in competitive research and development of technology**







**Rector Building**

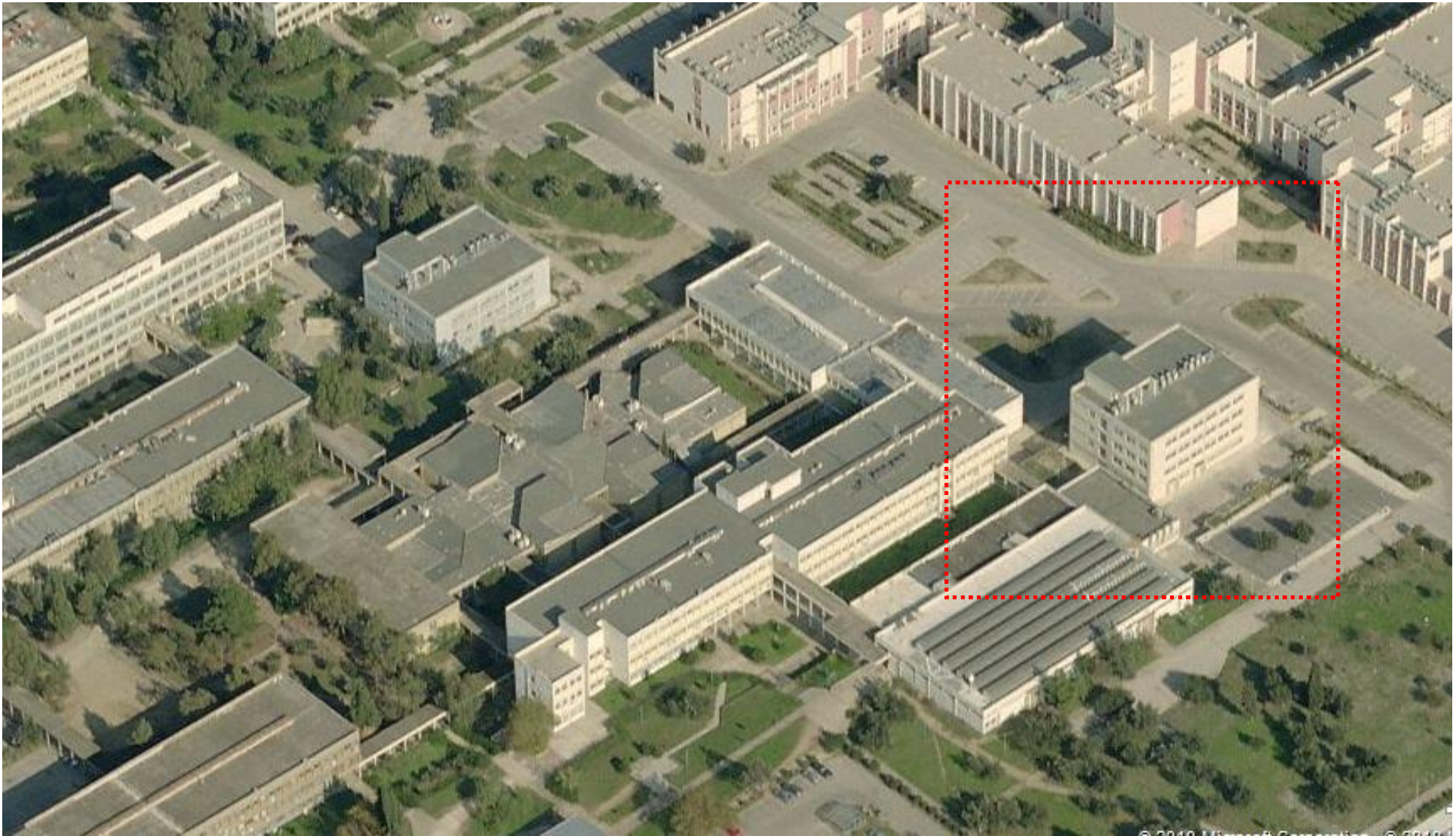


**University Hospital**



Largest campus in Greece over 5 km<sup>2</sup>





# Interactive Technologies Lab HCI Group

- n Activity: Focus on Interactive Systems Design and Evaluation
- n Size: 10+ researchers and support group
- n Infrastructure: Tools for interactive applications design, development and evaluation (Usability Laboratory )

## Research Areas



### Collaborative Technologies

Collaborative Technologies Unit of the HCI Group has been active during the last years in studying issues of human interaction mediated through groupware and social software more>>



### Web Usability

Web usability team of the HCI Group has been active in studying human-web interaction and ways to support the design of accessible, findable, usable and aesthetically appealing web sites. more>>

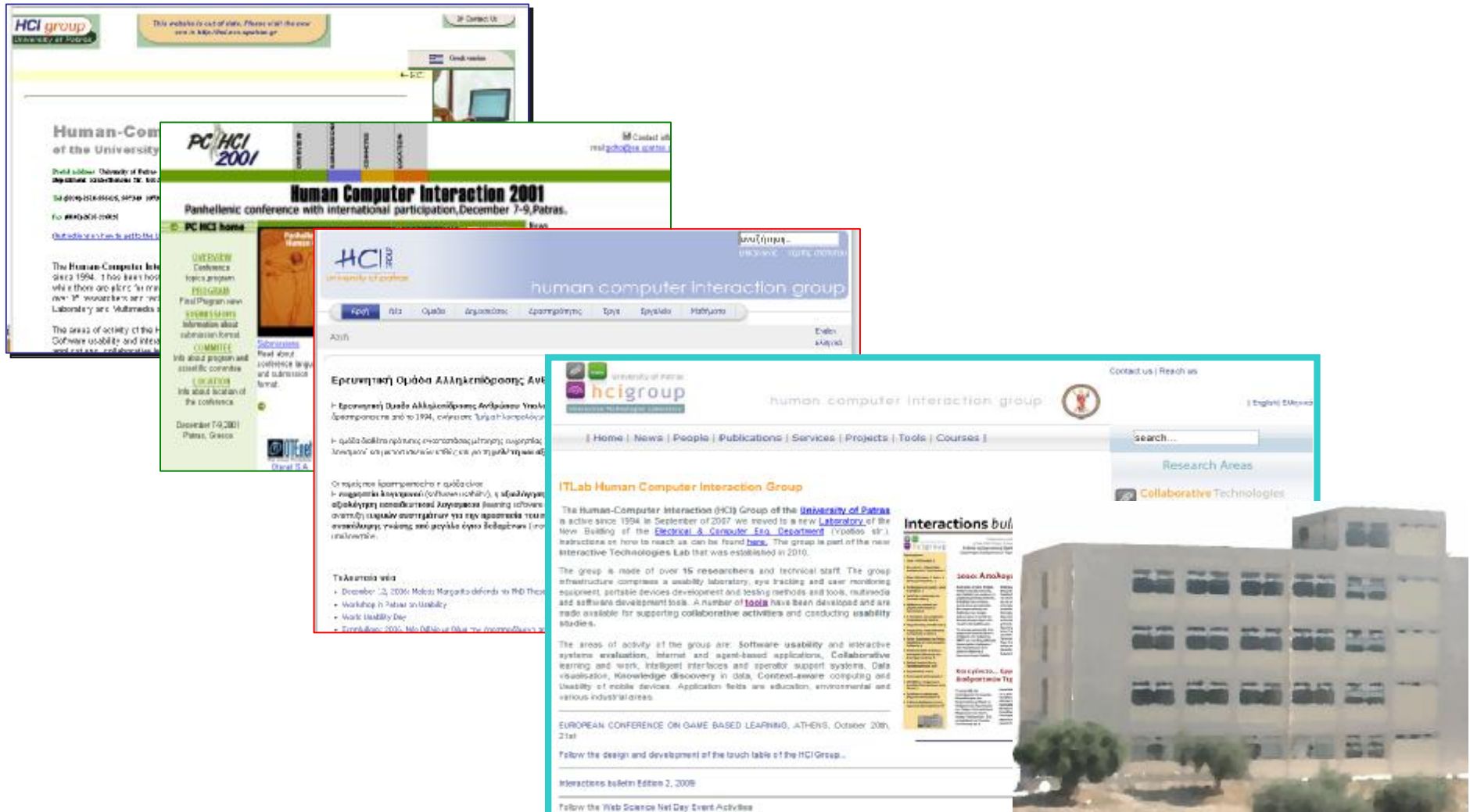


### Mobile Systems Usability

Mobile Technology Unit of the HCI Group has been studying design and evaluation of mobile applications more>>



# A historical note... 1996-2011



The collage consists of several overlapping screenshots:

- Top Left:** A screenshot of the HCI group website with a message: "This website is out of date. Please visit the new one at <http://www.hci.upatras.gr>".
- Top Middle:** A screenshot of the "Human-Computer Interaction 2001" website, a Panhellenic conference with international participation, held in Patras, Greece, from December 7-9, 2001.
- Top Right:** A screenshot of the "human computer interaction group" website, featuring a navigation menu with links for Home, News, People, Publications, Services, Projects, Tools, and Courses.
- Middle Left:** A document titled "PC/HCI 2001" with a table of contents including Overview, Program, and Committees.
- Middle Right:** A screenshot of the "ITLab Human Computer Interaction Group" website, which states the group is active since 1994 and is part of the Interactive Technologies Lab established in 2010.
- Bottom Left:** A document titled "Ερευνητική Ομάδα Αλληλεπίδρασης Ανθρώπου με Υπολογιστή" (Human-Computer Interaction Research Group), detailing the group's activities and research areas.
- Bottom Middle:** A document titled "Interactions bul" (bulletin), which includes information about the group's research areas and collaborative technologies.
- Bottom Right:** A photograph of the University of Patras building, a large, modern, multi-story structure with a grid of windows.



# Actors



# Usability Lab: Monitoring and logging behavioral patterns





## - Collaborative Technologies Unit

Study of phenomena of collaboration  
support

Usability of e-learning systems

The **Synergo** environment

# Synergo: a tool for group activities

The screenshot displays the Synergo Collaborative Mapping v3.01 interface. The main workspace shows a network diagram with nodes: Internet (15), POP/IMAP Server (11), Client (6), Application (7), Address Book (16), Mailbox (18), and User (12). Two notes are present: Note 2 (The E-mail service model) and Note 1 (Ζούπας Αλκιβιάδης AM4689, Μπανιάς Δημήτρης AM4376). A toolbar at the top includes options like New, Open, Save, Snapshot, Find partner(s), Leave a session, Repository, Options, Help, and Exit. A sidebar on the left shows 'Concept\_maps' and 'Flowcharts'.

Two inset windows are highlighted with red boxes. The left inset shows a black screen with '54%' below it. The right inset shows two user avatars: 'alkis' (a red person icon) and 'jim' (a yellow person icon with 'ZZZ' above it).

At the bottom right, a chat window shows the following conversation:

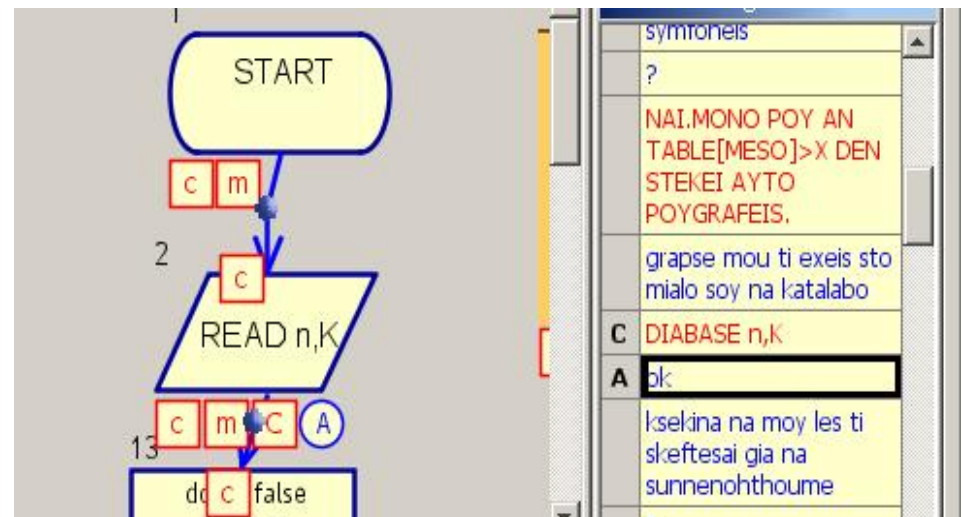
- alkis said: *ti des na sxediasoume??*
- alkis said: *as kanoume to e-mail*
- jim said: *xero go*
- jim said: *den exo idea*
- alkis said: *3ereis client server kt*
- alkis said: *kala 3ekinaw to e-mail kai oti des pros8eteis*
- jim said: *giati client kai agent? etsi paei to POP?*
- alkis said: *na sou pw thn alh8eia nomizw*

A 'Send' button is located at the bottom of the chat window.

# Analysis and evaluation of collaborative problem solving activities

## Object-orientedness of collaborative action

- n Dialogue events can also be related to objects manually
- n Objects have owners and history



# Dialogue annotation

Annotation of dialogue message

The screenshot displays a software development environment with several components:

- Code Editor:** Shows two code snippets. The top one is a recursive merge function: 

```
static Liste merge(Liste a, Liste b) { if (isEmpty(a)) return b; else if (isEmpty(b)) return a; else if (first(b) < first(a)) return stock(first(b), merge(a, rest(b))); else return stock(first(a), merge(rest(a), b)); }
```

 The bottom one is a recursive merge function with an accumulator: 

```
static Liste mergeLL (Liste accu, Liste a, Liste b) { if (isEmpty(a) && isEmpty(b)) return accu; else if (isEmpty(a)) return mergeLL(stock (first(b), accu), a, rest(b)); else if (isEmpty(b)) return mergeLL(stock (first(a), accu), rest(a), b); else if (first(b) < first(a)) return mergeLL(stock(first(b), accu), a, rest(b)); }
```
- Control Flow Graph (CFG):** A flowchart with nodes labeled 77 through 87. It starts at node 77, branches to 78 (decision: isEmpty(a)), then to 79 (return b) or 81 (decision: isEmpty(b)). From 81, it branches to 82 (return a) or 84 (decision: first(b) < first(a)). From 84, it branches to 85 (return stock(first(b), merge(a, rest(b)))) or 86 (return stock(first(a), merge(rest(a), b))). All paths converge to node 87 (End).
- Chat Dialogue Window:** A window on the right titled "Chat dialogue" containing a list of messages. A message is highlighted with a black box: "M its a little bit tricky at this point". An arrow points from the text "Annotation of dialogue message" to this message.
- Toolbars:** On the left, there are icons for Overview, Playback, Annotate, Raw data, Snapshots, and Typology. At the bottom, there are buttons for "Create new abstract entity", "Deleted objects (4)", "Chat dialogue (221)", "Zoom in", "Copy to clipboard", "Zoom out", and "Print...".

# - Web Usability Unit

website usability evaluation  
based on information  
foraging model

## The InfoScent Evaluator

(Katsanos et al. 2007)



# InfoScent: Hyperlinks Evaluator

For a given user goal and user profile the semantic appropriateness of hyperlinks is evaluated and the most probable user trail predicted in order to identify navigability/findability flaws

Based on Information Foraging Theory (Pirolli & Card, 1997) Latent Semantic Analysis (Landauer & Dumais, 1997)

# InfoScent Evaluator – Parsing a page

n Using “Grab Links” tool to parse and collect links:

n Link Type

n Proximal Cue (the alternative hyperlink)

n Link URL:

n Target Type (etc)

n External?

InfoScent Evaluator - BBC - Learning - Homepage

Site Evaluated: [www.bbc.co.uk/learning](http://www.bbc.co.uk/learning) Task Description: Learn basic computer skills, obtain basic computer literature and information, communication technology skills

User Profile: General\_Reading\_up\_to\_1st\_year\_college (300 factors)

www.bbc.co.uk/learning Characters: 98

bbc.co.uk Home TV Radio Talk Where I Live A-Z Index Search

2 November 2006  
Accessibility help  
Text only version  
bbc.co.uk Homepage

**Learning** online learning, support and advice

**RaW Family Quizzes**  
Want to help your kids with their homework? Improve your reading and writing with Sophie Raworth.

**Bitesize Interactive**  
Play the Bitesize quiz for a chance to win a £15 music voucher.  
More from Schools

**Ma France**  
Brush up your basic

Entry Page

No	Proximal Cue	URL	Link Type	Target Type	External?	LSA Index
1	Skip to main content	<a href="http://www.bbc.co.uk/learning/#startcontent">http://www.bbc.co.uk/learning/#startcontent</a>	Image	HTML		
2	Text Only version of this page	<a href="http://www.bbc.co.uk/cgi-bin/education/betsie/parser.pl">http://www.bbc.co.uk/cgi-bin/education/betsie/parser.pl</a>	Image	PL	Yes	
3	Access keys help	<a href="http://www.bbc.co.uk/accessibility/accesskeys/keys.shtml">http://www.bbc.co.uk/accessibility/accesskeys/keys.shtml</a>	Image	SHTML	Yes	
4	bbc.co.uk	<a href="http://www.bbc.co.uk/go/toolbar/-/home/d/">http://www.bbc.co.uk/go/toolbar/-/home/d/</a>	Image	HTML	Yes	
5	Home	<a href="http://www.bbc.co.uk/go/toolbar/text/-/home/d/">http://www.bbc.co.uk/go/toolbar/text/-/home/d/</a>	Text	HTML	Yes	
6	TV	<a href="http://www.bbc.co.uk/go/toolbar/-/tv/d/">http://www.bbc.co.uk/go/toolbar/-/tv/d/</a>	Text	HTML	Yes	
7	Radio	<a href="http://www.bbc.co.uk/go/toolbar/-/radio/d/">http://www.bbc.co.uk/go/toolbar/-/radio/d/</a>	Text	HTML	Yes	
8	Talk	<a href="http://www.bbc.co.uk/go/toolbar/-/talk/">http://www.bbc.co.uk/go/toolbar/-/talk/</a>	Text	HTML	Yes	
9	Where I Live	<a href="http://www.bbc.co.uk/go/toolbar/-/whereilive/">http://www.bbc.co.uk/go/toolbar/-/whereilive/</a>	Text	HTML	Yes	
10	A-Z Index	<a href="http://www.bbc.co.uk/go/toolbar/-/a-z/">http://www.bbc.co.uk/go/toolbar/-/a-z/</a>	Text	HTML	Yes	
11	Accessibility help	<a href="http://www.bbc.co.uk/accessibility/">http://www.bbc.co.uk/accessibility/</a>	Text	HTML	Yes	

Links Grabbed

# InfoScent Evaluator – Computing Scent

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InfoScent Evaluator - BBC - Learning - Homepage

New Project Save As... Grab Links Compute Scent Predict Next Display Path Color Coding Exit

Site Evaluated: [www.bbc.co.uk/learning](http://www.bbc.co.uk/learning) Task Description: Learn basic computer skills, obtain basic computer literature and information, communication technology skills

User Profile: General\_Reading\_up\_to\_1st\_year\_college (300 factors)

Back Forward Stop Refresh Home [www.bbc.co.uk/learning](http://www.bbc.co.uk/learning) Go Characters: 98

**Quizzes**  
Want to help your kids with their homework? Improve your reading and writing with Sophie Raworth.

**Quick Links**

Adult Learning [42] [48]	Environmental Studies [27]	Maths [1]
Art and Design [27]	Food and Catering [13]	Media Studies [42]
Basic Skills [55] [67]	Gardening [9]	Music [9]
Building Skills [47]	Health and Nursing [44]	Performing Arts [42]
Business Studies [29]		Personal [39]

**Bitesize Interactive [Word [bitesize] not found in Topic Space defined]**  
Play the Bitesize quiz for a chance to win a £15 music voucher.  
More from Schools [32]

**Ma France [3]**  
Brush up your basic French with the help of Stéphane Comicard.  
More from Languages [39]

Entry Page

No	Proximal Cue	URL	Link Type	Target Type	External?	LSA Index
1	Skip to main content	<a href="http://www.bbc.co.uk/learning/#startcontent">http://www.bbc.co.uk/learning/#startcontent</a>	Image	HTML		33
2	Text Only version of this page	<a href="http://www.bbc.co.uk/cgi-bin/education/betsie/parser.pl">http://www.bbc.co.uk/cgi-bin/education/betsie/parser.pl</a>	Image	PL	Yes	45
3	Access keys help	<a href="http://www.bbc.co.uk/accessibility/accesskeys/keys.shtml">http://www.bbc.co.uk/accessibility/accesskeys/keys.shtml</a>	Image	SHTML	Yes	47
4	bbc.co.uk	<a href="http://www.bbc.co.uk/go/toolbar/-/home/d/">http://www.bbc.co.uk/go/toolbar/-/home/d/</a>	Image	HTML	Yes	22
5	Home	<a href="http://www.bbc.co.uk/go/toolbar/text/-/home/d/">http://www.bbc.co.uk/go/toolbar/text/-/home/d/</a>	Text	HTML	Yes	13
6	TV	<a href="http://www.bbc.co.uk/go/toolbar/-/tv/d/">http://www.bbc.co.uk/go/toolbar/-/tv/d/</a>	Text	HTML	Yes	20
7	Radio	<a href="http://www.bbc.co.uk/go/toolbar/-/radio/d/">http://www.bbc.co.uk/go/toolbar/-/radio/d/</a>	Text	HTML	Yes	15
8	Talk	<a href="http://www.bbc.co.uk/go/toolbar/-/talk/">http://www.bbc.co.uk/go/toolbar/-/talk/</a>	Text	HTML	Yes	24
9	Where I Live	<a href="http://www.bbc.co.uk/go/toolbar/-/wherelive/">http://www.bbc.co.uk/go/toolbar/-/wherelive/</a>	Text	HTML	Yes	16
10	A-Z Index	<a href="http://www.bbc.co.uk/go/toolbar/-/a-z/">http://www.bbc.co.uk/go/toolbar/-/a-z/</a>	Text	HTML	Yes	Word [ a-z ] not found in
11	Accessibility help	<a href="http://www.bbc.co.uk/accessibility/">http://www.bbc.co.uk/accessibility/</a>	Text	HTML	Yes	28

LSA Indexes Computed.

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# AutoCardSorter Information

Arch

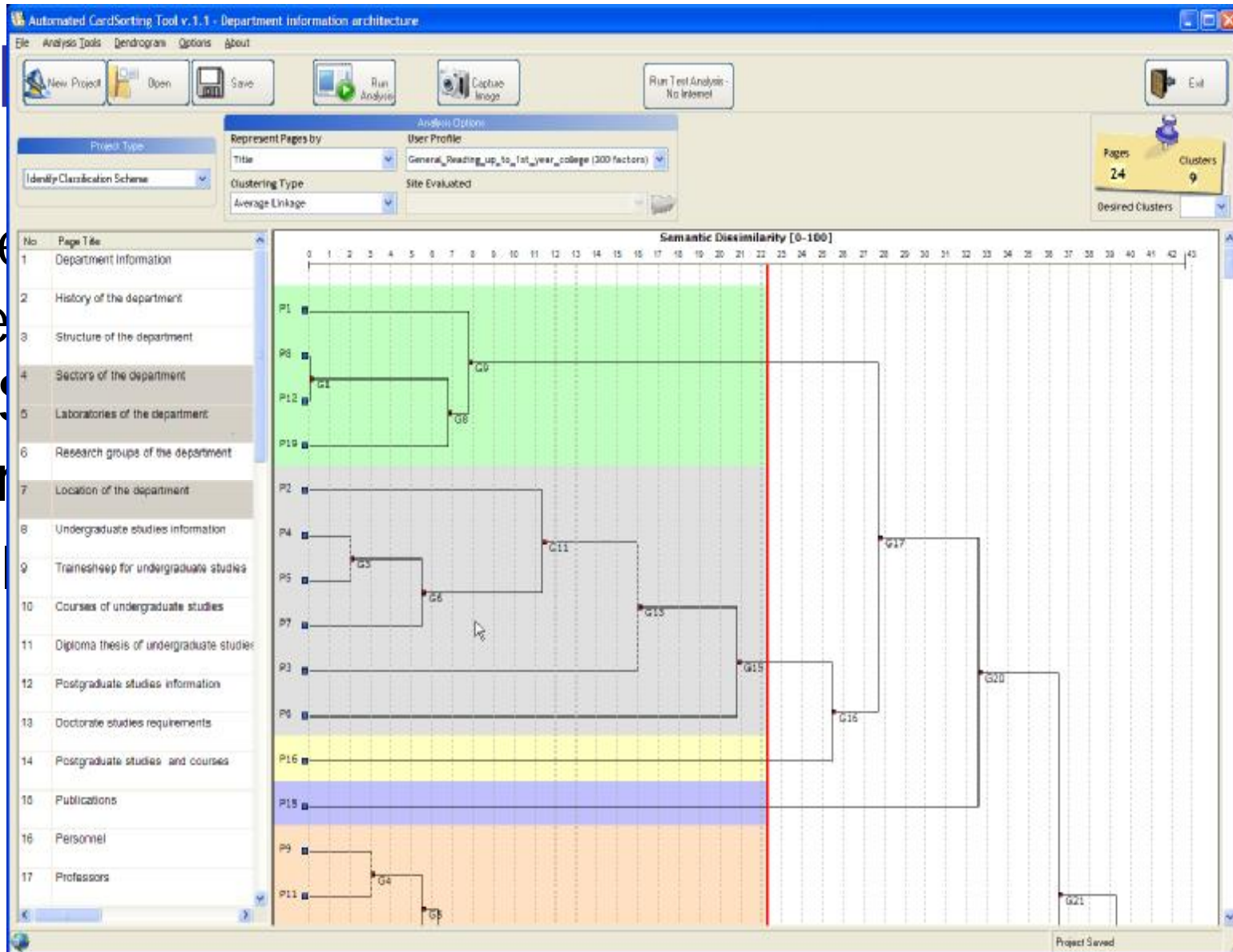
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# Web Accessibility

Web site evaluation against WCAG v1.0 guidelines using IBM Rational Policy Tester


**Educational System for Accessibility Learning through Paradigms**

These terms define your current search. To remove a category filter click the 


WCAG 1.0 Checkpoint: [1.1](#) > [Example 1](#) 

**Description:** Provide a text equivalent for every non-text element.

**Example 1:** Homepage of Evangelismos Hospital



**What can I do?** Use "alt" tag for the IMG element to provide a text equivalent version of the image.

[Learn more about this guideline](#) 

**Refine your search within these categories:**

**BY WCAG 1.0 CHECKPOINT:** [all](#) > [1.1](#) > [Example 1](#)

**BY WCAG 1.0 GUIDELINE [14]**

<a href="#">GUIDELINE 1</a> (5)	<a href="#">GUIDELINE 2</a> (2)
<a href="#">GUIDELINE 3</a> (7)	<a href="#">GUIDELINE 4</a> (3)
<a href="#">more...</a>	

**BY PRIORITY [3]**

<a href="#">PRIORITY 1</a> (16)	<a href="#">PRIORITY 2</a> (18)
<a href="#">PRIORITY 3</a> (30)	

**BY PAGE ELEMENTS [19]**

<a href="#">LISTS</a> (2)	<a href="#">TABLES</a> (7)
<a href="#">LINKS</a> (7)	<a href="#">IMAGES</a> (6)
<a href="#">more...</a>	

**BY DISABILITY [3]**

<a href="#">BLINDNESS</a> (17)	<a href="#">DEAFNESS</a> (5)
<a href="#">more...</a>	

# -Mobile Devices Unit



User studies of activities involving mobile devices through a micro-ethnographic approach

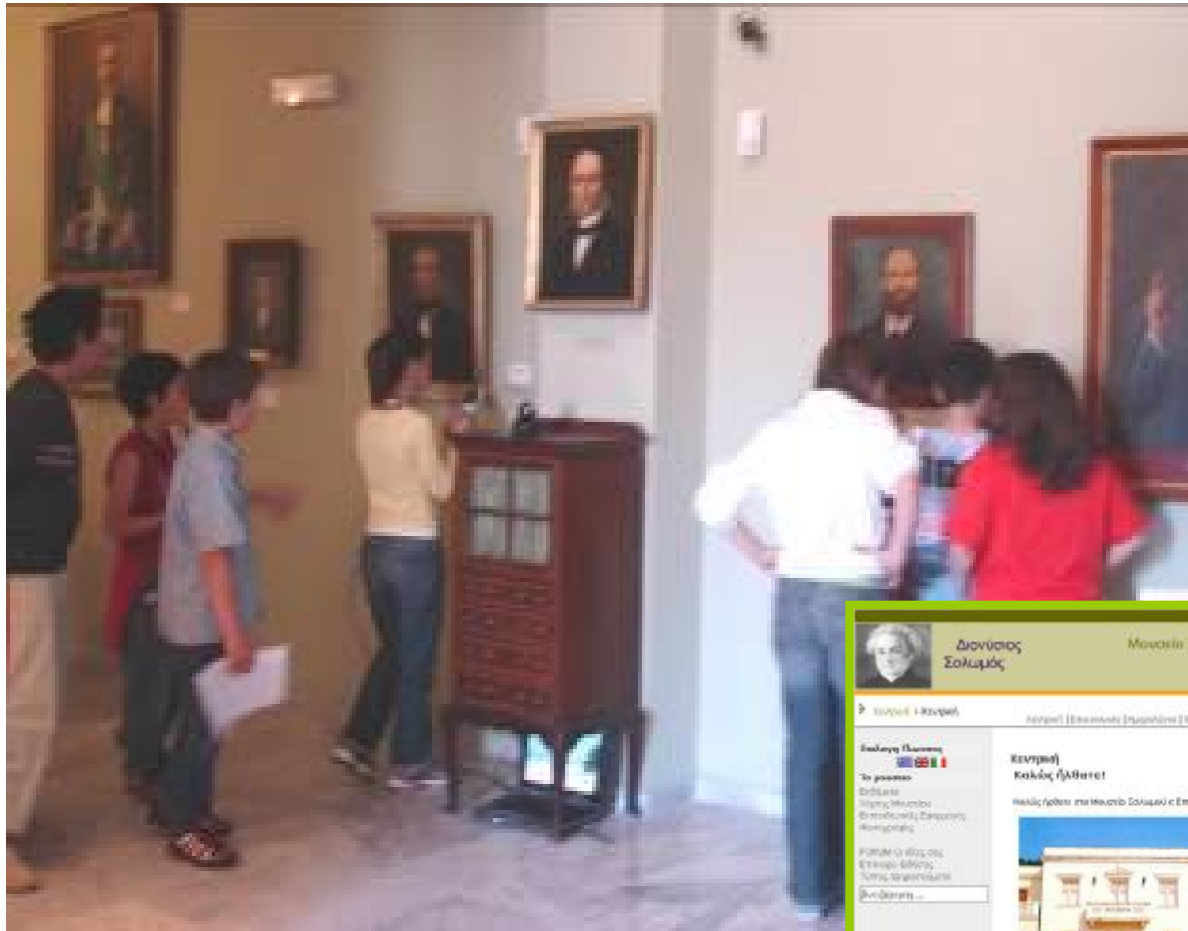
The **ActivityLens**

(Fiotakis et al. 2007)



# SolomosMuseum

## Mobile Application: Guide and Games



# ActivityLens

The screenshot displays the ActivityLens application window. The main interface is divided into several sections:

- Toolbar:** Includes icons for New, Open, Save, Print, Export, Views, Tasks, Close, and Exit.
- Timeline Table:** A table with columns for 'A...', 'Relative T...', 'Actor', and 'Action'. It lists various user actions and system events with timestamps.
 

A...	Relative T...	Actor	Action
<input type="checkbox"/>	00 : 04 : 36	Gro...	Tall boy giv
<input type="checkbox"/>	00 : 05 : 04	Gro...	One kid sa
<input type="checkbox"/>	00 : 05 : 51	Gro...	Kids are w
<input type="checkbox"/>	00 : 05 : 53	Gro...	Kids ask th
<input type="checkbox"/>	00 : 05 : 56	Guide	Guide expl
<input type="checkbox"/>	00 : 06 : 15	syst...	Προβολή C
<input type="checkbox"/>	00 : 06 : 27	syst...	Οθόνη περ
<input type="checkbox"/>	00 : 07 : 07	Gro...	Kids are ec
<input type="checkbox"/>	00 : 07 : 12	Group1 asl	
<input type="checkbox"/>	00 : 07 : 27	syst...	Προβολή C
<input type="checkbox"/>	00 : 07 : 37	syst...	Οθόνη περ
<input type="checkbox"/>	00 : 07 : 52	Gro...	Group2 fou
<input type="checkbox"/>	00 : 08 : 00	they comm	
<input type="checkbox"/>	00 : 08 : 21	syst...	Προβολή C
<input type="checkbox"/>	00 : 08 : 33	Gro...	Group1 try
<input type="checkbox"/>	00 : 08 : 52	syst...	Οθόνη περιγραφής εκθέματος
<input type="checkbox"/>	00 : 09 : 35	Gro...	Group2 found the second hint
<input type="checkbox"/>	00 : 09 : 39	Gro...	Kids of Group1 comment that the other Group has already found 2 hints
<input type="checkbox"/>	00 : 10 : 48	syst...	Προβολή Οθόνης Ανάγνωσης
<input type="checkbox"/>	00 : 11 : 07	Gro...	Group1 try to read the tag of an exhibit but a long delay block this process
<input type="checkbox"/>	00 : 11 : 10	syst...	Οθόνη περιγραφής εκθέματος
<input type="checkbox"/>	00 : 11 : 53	syst...	Προβολή Οθόνης Ανάγνωσης
<input type="checkbox"/>	00 : 12 : 06	syst...	Οθόνη περιγραφής εκθέματος
<input type="checkbox"/>	00 : 12 : 23	syst...	Προβολή Οθόνης Ανάγνωσης
<input type="checkbox"/>	00 : 12 : 33	syst...	Οθόνη περιγραφής εκθέματος
<input type="checkbox"/>	00 : 12 : 48	envi...	a mobile phone that rings, breaks off the attention of some kids
<input type="checkbox"/>	00 : 12 : 49	Gro...	Kids are confused because in the description text there is the word "xartia" and they think that a hint is hidden there
<input type="checkbox"/>	00 : 13 : 08	Group1	Group1 did the action Kids are confused because in the description text there is hidden or not
<input type="checkbox"/>	00 : 13 : 14	Guide	Guide explains kids that the part of text that made them confused is not a hint but just a description of the picture
<input type="checkbox"/>	00 : 13 : 34	Guide	Guide advises Group1 to read all the info about excibits otherwise they cannot find the favorite excibit
<input type="checkbox"/>	00 : 13 : 54	Gro...	Group2 found its third hint
<input type="checkbox"/>	00 : 14 : 07	Gro...	Group1 found its first hint
<input type="checkbox"/>	00 : 14 : 28	Gro...	Group1 kids ask Guide to explain them how they can save a hint in the Notepad
- Source3 multimedia window:** Displays a photograph of a museum exhibit. A red arrow points from the text 'Context' to this window. Below the photo, a text box reads: "kids are confused because in the description text there is the word 'xartia' and they think that...".
- Source1 - Source2 - Source3:** A window showing a document titled "Προσωπογραφία Γεωργίου Τερτσέτη." (Portrait of George Terzatesis). A red arrow points from the text 'PDA screen' to this window. The document text includes: "Αποτελεί έργο του Χρήστου Ρουσέα του 1973. Ο Γ. Τερτσάτης εικονίζεται κατ' ενώπιον μέχρι τη μέση, μπροστά από τραπέζι στο οποίο βρίσκονται χειρόγραφα με τη μορφή ανοιχτού ελλητάριου. Υψώνει το δεξί χέρι προς τα πάνω με το δάχτυλο σηκωμένο, χειρωνακία που δείχνει ότι αγγίζει, ενώ με το αριστερό κρατά τα χαρτιά του. Κοιτάζει στα μάτια το θεατή. Το φόντο είναι μονόχρωμο σε τόνους καφέ-πράσινου. Ο Γεώργιος Τερτσάτης (1800-1874)".
- Filters:** A panel on the right side of the interface with a 'View by' dropdown set to 'Actor'. It contains a list of actors with checkboxes: Guide, Group1, Group2, system, environment, and None. At the bottom, there are buttons for 'Check all', 'Uncheck all', 'Invert', and 'OK'.

# ActivityLens

- Synchronous presentation of multiple multimedia sources structured/unstructured media
- Definition of appropriate annotation schemes
- Filtering of activities focusing in different levels of abstraction
- Navigation from the log file or from the video file (synchronized)
- Definition of multilayer tagging
- Aggregation of observation per task for all subjects

# City games

## Invisible city:Revolution

Live the city. Expose the story behind appearances. **Join the revolution.**

### What's this about

Invisible city is a mobile pervasive game. It is to be played in a city by a party of 5-15 players. The aim is to support a revolution. But beware! Not all players are on the same side. Some will try to sabotage the cause. Uncover them and support the revolution.

### How to play

Join the invisible city:Revolution game, through this site. Arrange for a meeting date and time and meet your co-players on site to start the game.

### What do you need

Each player needs android-based mo  
Our team can prov  
Desire to the playe



### Overview

The **revolution** is underway. You belong to a group of rebels trying to overthrow the **empire**. To support the revolution, your group needs to perform some missions flawlessly. But appearances are not what they seem. Some spies have infiltrated your group. They will try to sabotage your missions and remain undercover.

### Game structure

### Join

Name

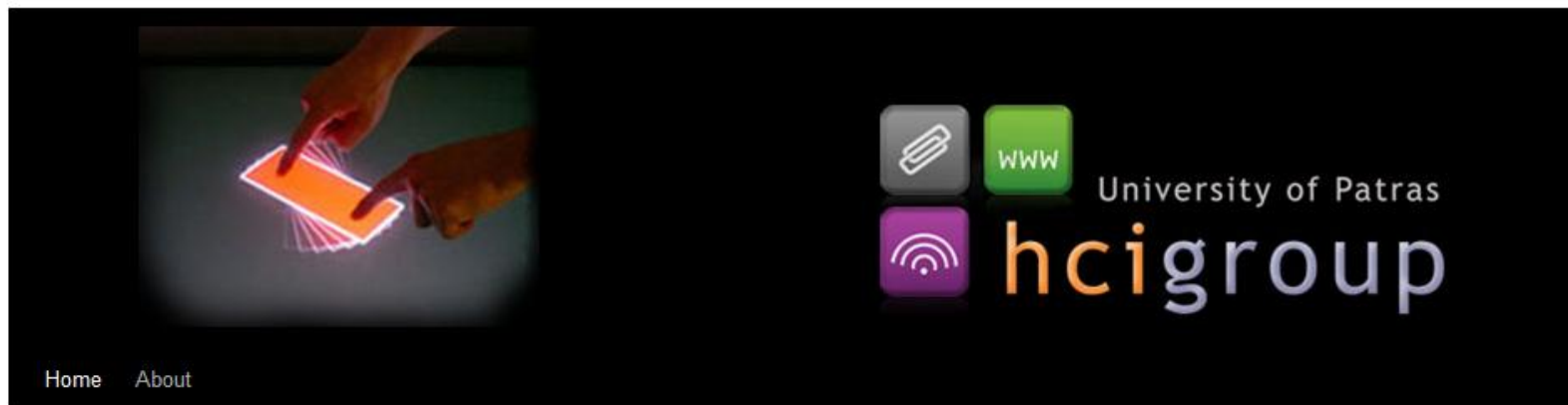
Password

Select invisible

# Multi-touch surfaces

## MultiTouch Project

*Interactive Technologies Laboratory*



### Finally the cameras...

Posted on [November 17, 2010](#) by [vassilisp](#)

Today we managed to assemble all the necessary parts to convert the PS3 eye to an infrared camera suitable for our setup. Once again we chose the PS3 eye because of its high frame rate and its low cost.

We are going to describe all the steps that we made in order to convert the camera.

First of all these are the parts that we need:

#### Archives

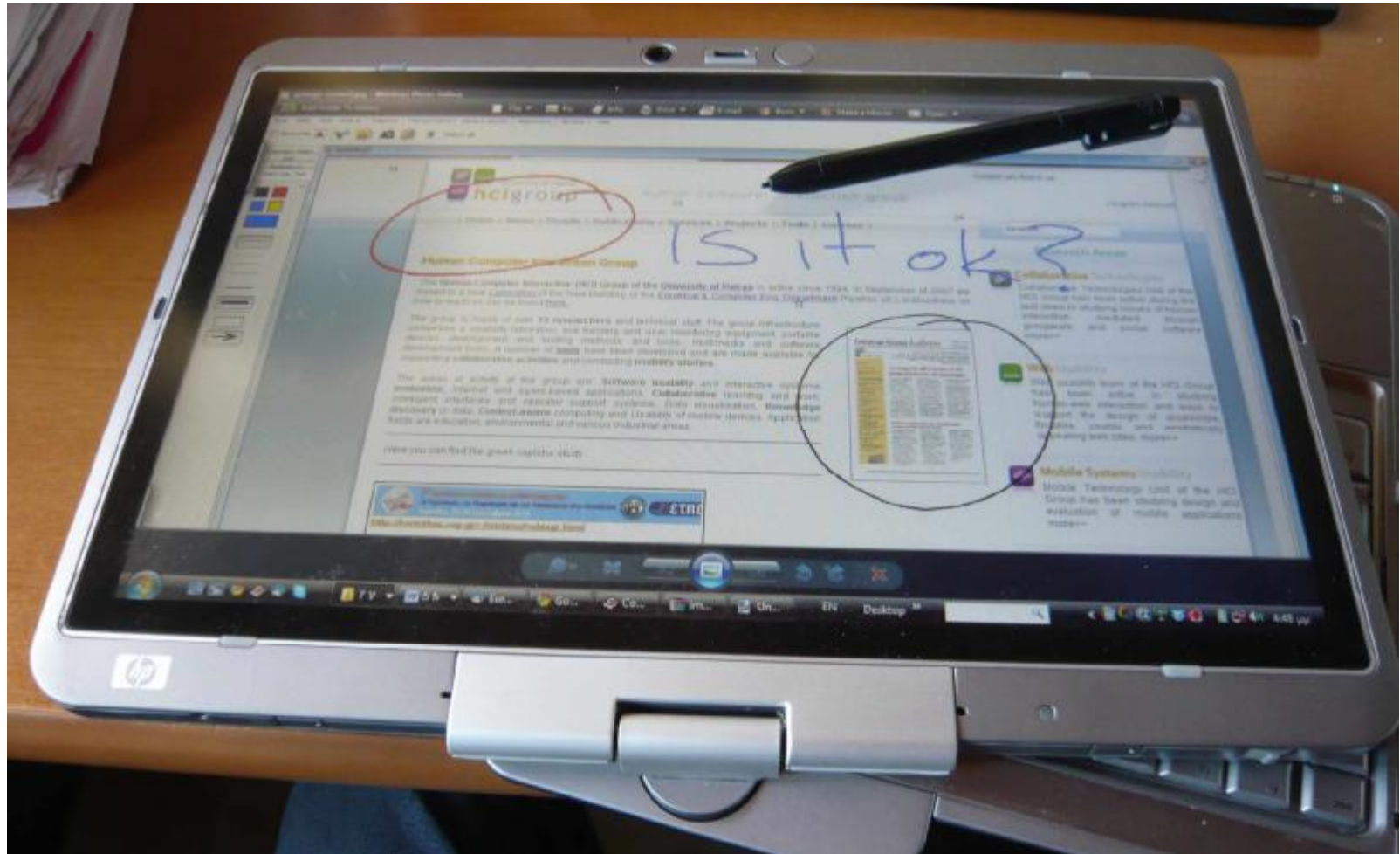
- [November 2010](#)

#### Meta

- [Register](#)
- [Log in](#)



# tablets



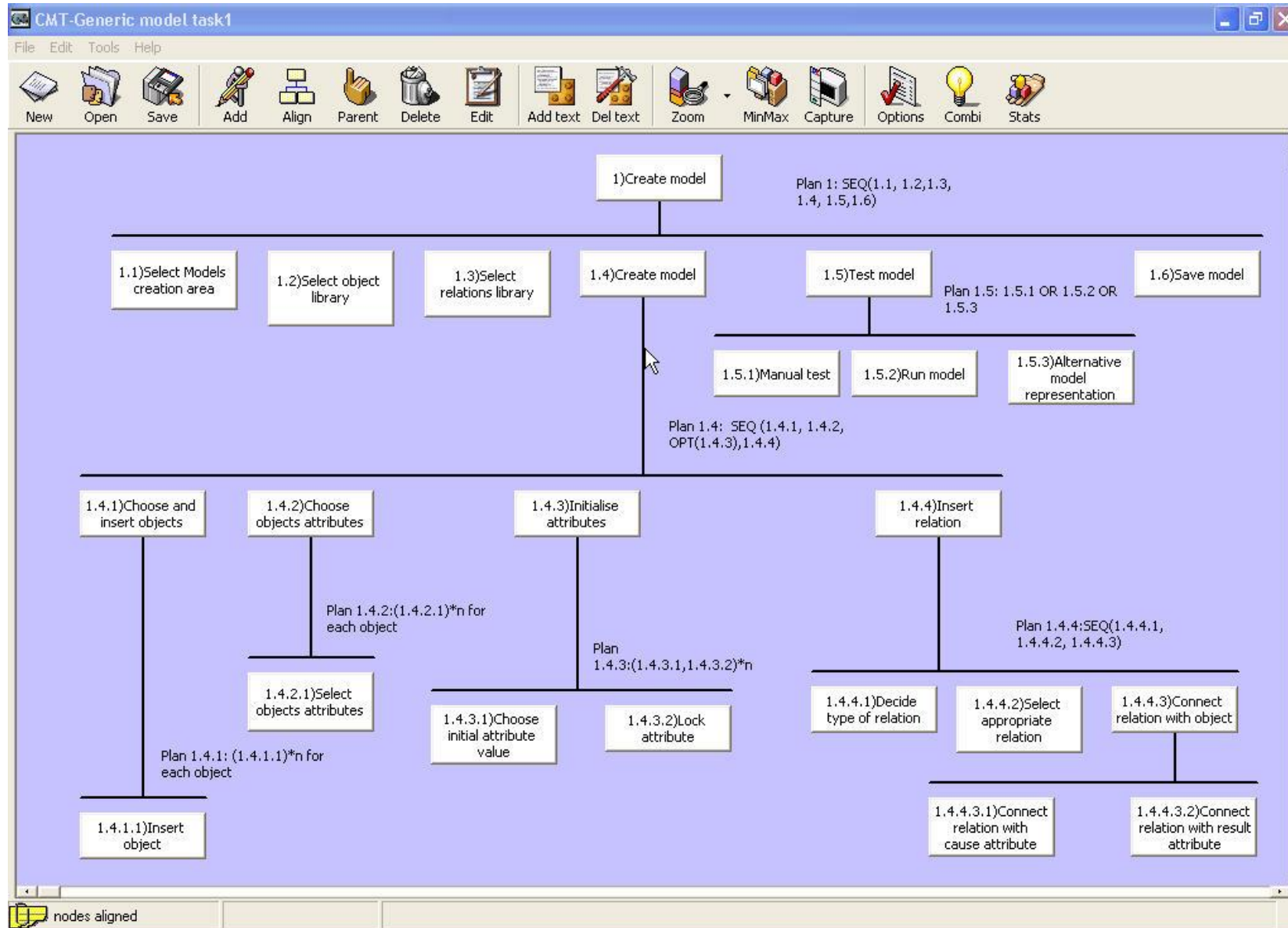
# Related / activity Projects

- n Coordinator of a Human Network on Software Usability, funding GSRT
- n Coordinator of a University Network on Web Science (currently active)
- n ModellingSpace (IST) and e-COMODE (e-ten) web based collaborative learning environment, main development site
- n Web usability, Greece-Italy collaboration program, (GSRT, Italian Ministero degli Esteri)
- n Main developer and evaluator of web sites:  
[www.ece.upatras.gr](http://www.ece.upatras.gr), [www.ee.upatras.gr](http://www.ee.upatras.gr),  
[www.ecedu.upatras.gr](http://www.ecedu.upatras.gr), [hci.ece.upatras.gr](http://hci.ece.upatras.gr), [www.demetra-tox.net](http://www.demetra-tox.net), [www.synergo.gr](http://www.synergo.gr), [myece.upatras.gr](http://myece.upatras.gr),  
[www.qualibra.eu](http://www.qualibra.eu) Series/ ace/ orchestra

# Services Unit

- n User Research Services
- n Interaction Design & Development Services
- n
  - Interviews
  - Research Review
  - User Needs Assessment
  - Field Research
  - Task Analysis
  - Focus Groups
  - Online Surveys • Prototyping
  - Usage Scenario Definition
  - User Model Research
  - Design Walkthrough
  - User Interface Design
  - Object Oriented Design and Development
- n Usability Testing Services
- n
  - Usability Testing
  - Remote Usability
  - Expert Evaluation
  - Design Walkthrough
  - Eye Tracking Studies

# CMTool: Task Analysis



# Examples of Systems developed/evaluated

Consortium

Partner	Short name	Country
University of Patras (Coordinator)	UPAT	Greece
Aristotelo Panepistimio Thessalonikis		
Commissariat à l'Energie Atomique et aux Energies Alternatives		
Centro Europeo di Formazione e Ricerca in Ingegneria Sismica		
Géodynamique et Structure		
Technical University of Istanbul		
Institute of Earthquake Engineering and Engineering Seismology		
Commission of the European Communities. Directorate General Joint Research Centre, JRC		
Bogazici University		
Institut Français des Sciences et Technologies des Transports, de l'Aménagement et des Réseaux		
Laboratorio Nacional de Engenharia Civil		
Middle East Technical University		
National Technical University of Athens		
P&P LMC Srl		
Technical University 'Georgie Asachi' of Iasi		
The Chancellor, Masters and Scholars of the University of Cambridge		
Univerza V Ljubljani	UL	Slovenia
Universita degli Studi di Napoli Federico II	UNAP	Italy



# SERIES Seismic Engineering Research Infrastructure

## About SERIES Project

European seismic engineering research suffers from extreme fragmentation of research infrastructures (RI) between countries and limited access to them by the S/T community of earthquake engineering, especially that of Europe's most seismic regions. A 23-strong consortium of the key actors in Europe's seismic engineering research (including 3 industrial beneficiaries) addresses these problems in a sustainable way via a 4-year programme of activities at an annual cost to the EC less than 1.35% of the total present value (€1.90m) of the RI's material resources.

**Mission:**  
 "Bridging the Gaps of RTD in Experimental Earthquake Engineering and Structural Dynamics."

The scope covers all aspects of seismic engineering testing, from eight reaction wall pseudodynamic (PsD) facilities and ten shake table labs, to EU's unique tester of bearings or isolators, its two major centrifuges and an instrumented site for wave propagation studies.

Transnational Access is offered to a portfolio of world class RI: EU's largest PsD facility, four dynamic shake



SERIES-Data Access Portal

Project Archive

- Public Projects
  - UCOF (Last Update: 12/5/2011 3:21:11)
    - Example
      - Specimen Level
      - Experiment Level
      - Computation Level
      - Signal Level
  - JRC (Last Update: 16/5/2011 10:21:11)
    - Project Example on R/C
      - Specimen Level
      - Experiment Level
      - Computation Level
      - Signal Level
    - Project Example on Masonry

Welcome to the Data Access Portal of the SERIES Project.

Currently we have 3 Published projects. Please feel free to navigate through the projects information. You might also use the SEARCH functionality for acquiring detailed information on published projects. DAP follows the EDF structure. More information related to EDF can be found [here](#).

- PROJECT
  - INFORMATION
  - DESIGN
- SPECIMEN
  - INFORMATION
  - EXPERIMENT & COMPUTATIONS
- EXPERIMENT
  - INFORMATION
  - INFORMATION

## Distributed Database Data Access Portal

# [www.orchestra-qsar.eu](http://www.orchestra-qsar.eu)

The screenshot shows the ORCHESTRA website interface. At the top, there is a search bar and navigation links for 'FAQ' and 'Glossary'. The main navigation menu includes 'ABOUT ORCHESTRA', 'ABOUT IN-SILICO', 'USE IN-SILICO', 'REGULATORY CONTEXT', 'IN-SILICO RESOURCES', and 'COMMUNITIES'. Below this, a secondary menu lists 'INTRODUCTION', 'REACH LEGISLATION', 'THE REACH REQUIREMENTS', 'THE DEBATE', and 'VIDEO DOCUMENTARY'. The main content area features a banner for the '21ST ANNUAL MEETING - SETAC EUROPE' with the subtitle 'ECOSYSTEM PROTECTION IN A SUSTAINABLE WORLD' and the text 'a Challenge for Science and Regulation' and '15 - 19 May 2011, Milan, Italy'. A 'Learn more' link is provided. Below the banner, the breadcrumb trail reads 'Home » Regulatory Context → The REACH requirements for QSAR'. The main heading is 'THE REACH REQUIREMENTS FOR QSAR'. The text explains that REACH legislation foresees the use of alternative *in silico* methods such as QSAR and Read-Across. Regarding **Qualitative or Quantitative structure-activity relationship ((Q)SAR)**, Annex XI states that: Results obtained from valid qualitative or quantitative structure-activity relationship models ((Q)SARs) may indicate the presence or absence of a certain dangerous property. Results of (Q)SARs may be used instead of testing when the following conditions are met:

1. results are derived from a (Q)SAR model whose scientific validity has been established,
2. the substance falls within the applicability domain of the (Q)SAR model,
3. results are adequate for the purpose of classification and labelling and/or risk assessment, and
4. adequate and reliable documentation of the applied method is provided.

On the right side, there is a 'REGULATORY CONTEXT' sidebar with links for 'The REACH legislation', 'The REACH requirements for QSAR', and 'The debate'. Below this is an 'INTRODUCTORY LEAFLET' section for 'IN SILICO METHODS' with the subtitle 'for testing the toxicity of chemicals'.

ORCHESTRA is an EU project, funded to disseminate recent research on computer-based *in silico* methods for evaluating the toxicity of chemicals.

# QALIBRA



Quality of life Balance

Login   
Password    
[Register](#) | [Forgot Password](#)

[Overview](#) | [Qalibra Tool](#) | [Partner Pages](#) | [Contact Us](#) | [Feedback](#)

## Welcome to Qalibra

QALIBRA is a Specific Targeted Research Project coordinated by IFL and supported by the European Commission's 6th Framework Programme, contract number FOOD-CT-2006-022957. The project began April 1st 2006 and will run until 2009. To assess the balance between the risks and benefits associated with a particular food, they must be converted into a common measure of net health impact. Uncertainties affecting the risks and benefits cause uncertainty about the magnitude and even the direction of the net health impact. QALIBRA will develop methods that can take account of multiple risks, benefits and uncertainties and implement them in web-based software for assessing and communicating net health impacts.



### Latest News



**23-24 May 2006 Kick-off meeting in the project QALIBRA RIVM, The Netherlands**  
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[Read more >](#)



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[Read more >](#)

**Project acronym:**  
QALIBRA

**Project full title:**  
Quality of life -  
integrated benefit and  
risk analysis

Web-based tool for  
addressing food safety and  
health benefits



The content of this website does not represent the views of the EU Commission or its services.  
[Technical Feedback and Help](#) | [Main CSL Website](#)



# comode.com

overview | objectives | essentials | partners | news | e-comode services | private partners | private reviewers

Collaborative Modelling Environment

**General**  
General information about the e-Comode project.  
Overview, objectives, essentials, partners, news...  
[\[+ info\]](#)

**e-Comode Services**  
e-Comode offers different services such as Collaboration and Communication Services, Consultancy services, Collaborative Modelling Environment Software...  
[\[+ info\]](#)

**Private Area**  
e-Comode restricted area; Partners and/or reviewers information.  
[\[+ info\]](#)

© 2002 e-COMODE Collaborative Modelling Environment  
optimized for 1024x768 - Explorer 6.0

# ModellingSpace.net



ModellingSpace server  
login page

user area

The screenshot shows the user area of the ModellingSpace website. It features a yellow background and a navigation menu on the left with links for "My Profile", "My Dashboard", "My Groups", "My Journals", "My News", and "My Blog". The main content area is titled "Group List" and includes a brief description of groups. Below this is a table with the following data:

Group	Created	Max. no. of members	Current No. of members	Created	Created
1234567890	Yes	5	10	1	
1234567890	Yes	5	10	1	
1234567890	Yes	5	10	1	1234567890
1234567890	Yes	5	10	1	
1234567890	Yes	5	10	1	
1234567890	Yes	5	10	1	

At the bottom, there is a copyright notice: "Copyright © 2010 Modelling Space Inc. All rights reserved."

# Demetra-tox.net

The screenshot shows the Demetra Project Official Web Site in Mozilla Firefox. The browser's address bar displays <http://www.demetra-tox.net/>. The website features a green header with the Demetra logo and a search bar. A navigation menu on the left includes links for Home, Demetra Tool, Demetra Project, Goals and Solutions, Models, About, and Search. The main content area is titled "Development of Environmental Modules for Evaluation of Toxicity of pesticide Residues in Agriculture". It states that DEMETRA is a project funded by the European Commission to address the ecotoxicity evaluation of pesticides. Under the project, computer models have been developed to predict toxicity against five endpoints:

1. Acute toxicity for Rainbow Trout (*Oncorhynchus mykiss*): LC50 96-hours exposure
2. Acute toxicity for Water Flea (*Daphnia Magna*): LC50 48-hours exposure
3. Acute oral toxicity for Bobwhite Quail (*Colinus virginianus*): LD50 14-days exposure
4. Dietary toxicity for Bobwhite Quail (*Colinus virginianus*): LD50 8-days exposure
5. Acute contact toxicity for Honey Bee (*Apis mellifera*): LD50 48-hours of exposure

The participants of the project are:

**Partners**

- ▣ Istituto di Ricerche Farmacologiche "Mario Negri" (NIGRI) (Coordinator)
- ▣ BioChemics Consulting SAS (BCX)
- ▣ Central Science Laboratory (CSL)
- ▣ Department of Computer Science and Engineering, University "Dunarea de Jos" of Galati (UJGAL)
- ▣ Politecnico di Milano (POLIMI)
- ▣ University of Pallas, HCI Group (UNIPATRAG)
- ▣ Syngenta Crop Protection AG (SYNGENTA)

**Subcontractors**

- ▣ The Pesticides Safety Directorate (PSD)
- ▣ Agricultural Centre BASF (BASF)
- ▣ Knowledge Miner Software (MINER)
- ▣ Technology for Growth (TFG)
- ▣ University of Bradford, School of Informatics (UOB)

An [abstract](#) has been written describing in details the model basis, development, validation and novelties in the scenario of QSAR models for regulatory purposes. Results of the DEMETRA project have been presented to regulators and industry at the [DEMETRA workshop](#) in Como, 6 and 7 June, 2006.

All logos and trademarks in this site are property of their respective owner. Disclaimer: This project is supported by the [European Commission](#) under the 6th Framework Programme. The contents of these pages are the sole responsibility of the publishers. These pages in no way represent the views of the Commission or its services.

The Windows taskbar at the bottom shows the Start button, the Demetra Project icon, and the system tray with the date 7/17/06.

# SolomosMuseum.gr

23/11/06



**Διονύσιος  
Σολωμός**

**Μουσείο Σολωμού & Επιφανών Ζακυνθίων**

Welcome to Solomo's Museum!...

Κεντρική > Κεντρική

Κεντρική | Επικοινωνία | Ημερολόγιο | Χάρτης Ζακύνθου | Αναζήτηση | Sitemap

**Επιλογή Γλώσσας**  
🇬🇷 🇬🇧 🇮🇹

**Το μουσείο**  
Εκθέματα  
Χάρτης Μουσείου  
Εκπαιδευτικές Εφαρμογές  
Φωτογραφίες

FORUM-Οι ιδέες σας  
Επίκαιρα-Ειδήσεις  
Τύπος /Δημοσιεύματα

Αναζήτηση ...

**Κεντρική**  
**Καλώς ήλθατε!**

Καλώς ήρθατε στο Μουσείο Σολωμού κ Επιφανών Ζακυνθίων!



**Ημερολόγιο**  
Νοέμβριος 2006

Δ	Τρ	Τ	Π	Παρ	Σ	Κ
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

**Ψηφοφορία**  
**Ποια η γνώμη σας για το site.**

Πολύ καλή!

Καλή

Μέτρια

Άσχημη!

# myece.ece.upatras.gr

The screenshot shows the website interface for myece.ece.upatras.gr. At the top, there is a navigation bar with the logo 'My HIMITY BETA' on the left, the date 'Wed 17 June 2009 02:18:52' in the center, and the department name 'Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών Πανεπιστήμιο Πατρών' on the right. Below the navigation bar, there are links for 'Σύνδεση ως ανούρις', 'Home', 'Αποσύνδεση', 'Ο Λογαριασμός μου', 'Credits', 'Site', and 'Επικοινωνία'.

The main content area is titled 'Διαχείριση Προφίλ'. It includes a 'Βοήθεια' link and a section for 'Οδηγίες' (Instructions) with the following points:

- Στα πεδία "Αγγλικό βιογραφικό σημείωμα" και "Ελληνικό βιογραφικό σημείωμα" επιτρέπεται η χρήση της γλώσσας HTML.
- Για λόγους ασφάλειας σε μερικά πεδία αποτρέπεται το σβήσιμο του περιεχομένου τους από την στιγμή που θα συμπληρωθούν.
- Παρακαλείσθε για λόγους παρουσίασης η φωτογραφία σας να έχει στην οριζόντια διάσταση ανώτατο μέγεθος 120 pixels και στην κάθετη διάσταση ανώτατο μέγεθος 150 pixels.

Below the instructions, the user's profile is displayed under the heading 'ΠΡΟΦΙΛ ΜΕΛΟΥΣ ΔΕΠ (Κωδικός: 31)'. The profile is organized into a table with the following data:

Ακαδημαϊκό προφίλ		
Όνομα	Ελληνικά	Νικόλαος
	Αγγλικά	Nikolaos
Επώνυμο	Ελληνικά	Αβούρης
	Αγγλικά	Anouris
Πατρώνυμο	Ελληνικά	
	Αγγλικά	
Βαθμίδα	Ελληνικά	Καθηγητής
	Αγγλικά	Professor
Τίτλοι πτυχίων	Αγγλικά	Dipl. in Electrical Engineering NTUA,   MSc
Τομέας	Ελληνικά	Η/Υ
	Αγγλικά	H/Y
Κωδικός νοσφείου		

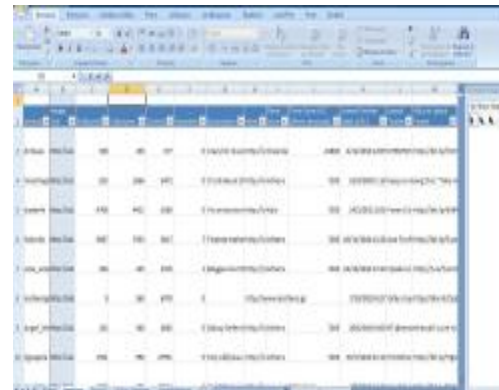
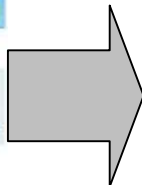
# Recent related activity

## Homophily-based recommendations in social networks

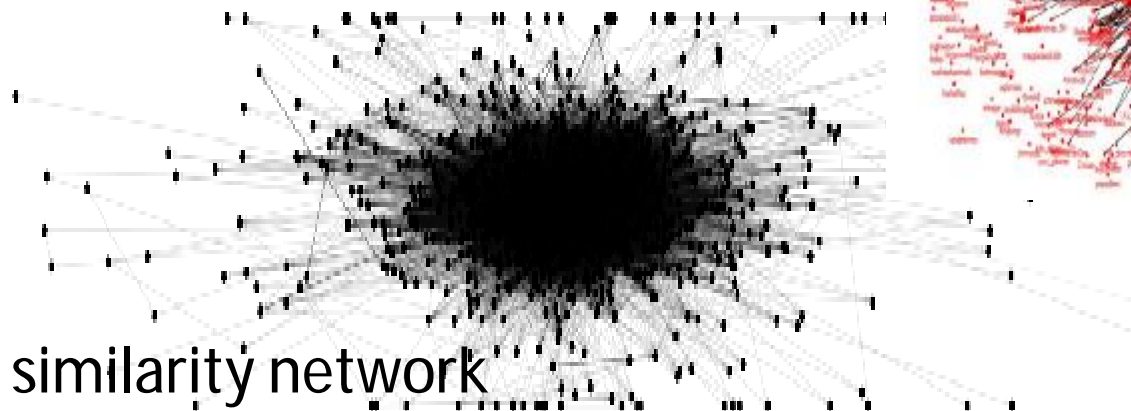
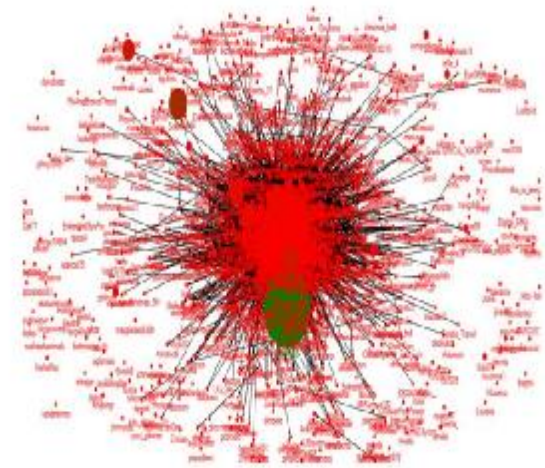
E. Christakopoulou, S. Daskalaki, N. Avouris. 2012 (under preparation)

### Data mining social network data

### Data from tweeter and facebook



Tweet followers



Facebook similarity network

# possible actors in InterSocial

- n HCI GROUP (<http://hci.ece.upatras.gr>)
  - n Prof. Nikolaos Avouris Coordination
  - n Dr. Christos Fidas Technical Coordination
  - n Ioannis Ioannidis, Computer Engineer, Software Design and Development
  - n Ilias Kotinas, Electrical & Comput. Engineer, Web Applications Design
  - n Christos Katsanos – user studies – support on information modeling
  - n Lefteris Papachristos – user studies – visual design and credibility
  - n Irene Hounta – collaborative systems usability
  - n Filio Vogiantzi data entry, secretarial support

