Projects and Products Portal for Leonardo da Vinci

# Using wireless technologies for context sensitive education and training

133846-LLP-2007-IE-LMP

http://www.adam-europe.eu/adam/project/view.htm?prj=4338

## Project Information

Title: Using wireless technologies for context sensitive education and training

Project Number: 133846-LLP-2007-IE-LMP

Year: 2007

Project Type: Development of Innovation

Status: granted

Country: EU-Centralised Projects

Marketing Text: The profile of the typical mobile device is changing rapidly. It is estimated by 2010 that the number of people using mobile broadband connections will have increased to over half a billion. This access is being made on all types of mobile devices: mobile phones, media players, handheld games consoles, ultra portable PCs, etc. Already one is seeing a great deal of convergence in the marketplace; while it is common to see people carrying both a mobile phone and a media player, such as an iPod, these devices are merging, with mobile phones offering gigabytes of storage for audio and video. Devices running Windows Mobile and Symbian have many of the features of laptops or desktop computers and are now being used to access the net at broadband speeds.
As a result it is now possible to envisage an audience for mobile learning content which is media rich, collaborative and always available to the user. Using established technologies such as GPS and SCORM, and developing for newer technologies such as RFID (Radio Frequency Identification), QR Codes and Mobile Positioning, training content can be developed for both context sensitive and location based delivery. Context sensitive education and training refers to training material which is directly relevant to the training situation that the learner finds themselves in. Location based education and training refers to material which is directly relevant to the location in which the students find themselves.

Summary: It is the aim of this project and its objective to contribute to the advance of mobile learning by harnessing the latest technological developments in the field (GPS, RFID, Mobile Positioning) for learning. This will address the development of innovative ICT-based content, services and practice for Lifelong Learning.

Description: The aim of the project is to:

- create a General System Design which will enable the development of location sensitive and context sensitive educational courseware using wireless technologies
- localise this development to the systems of the partners
- develop 4 different types of mobile learning courseware
- evaluate student reaction to the mobile learning materials,
- write and publish reports from the data.

The aim is to create for the first time in a European Commission project, in so far as is known, context sensitive and location sensitive educational courseware and to teach it to actual students in institutions in different parts of Europe.

Themes: ** ICT
* Lifelong learning

Sectors: *** Professional, Scientific and Technical Activities

Product Types: website
others

Product information: This General System Design describes at a high level a solution that enables the deployment of content in a context sensitive and location based environment. Due to the fact that IMS (IP Multimedia Subsystem) is being developed by almost all tier 1 telecom operators and their vendors, and due to the innovative nature of this project, it was decided to use IMS to setup, manage and terminate sessions from the content server. From a technical perspective the IMS architecture is a relatively new standard

## Project Information

that reuses previously developed IP protocols and introduces new application servers.

The Local System Design has been developed and implemented by the University of Plovdiv, Corvinno Technology Transfer Centre, London Metropolitan University and Ericsson/Giunti.

Projecthomepage: www.ericsson.com/contsens

## Project Contractor

| | |
|---|---|
| Name: | LM Ericsson |
| City: | Dublin |
| Country/Region: | Dublin |
| Country: | IE-Ireland |
| Organization Type: | large-scale enterprise (more than 250 employees) |
| Homepage: | http://www.ericsson.com |

### Contact Person

| | |
|---|---|
| Name: | Judy Nix |
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| E-mail: | judy.nix@ericsson.com |
| Homepage: | http://www.ericsson.com/contsens |

## Coordinator

| | |
|---|---|
| Name: | LM Ericsson |
| City: | Dublin |
| Country/Region: | Dublin |
| Country: | IE-Ireland |
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| E-mail: | judy.nix@ericsson.com |
| Homepage: | http://www.ericsson.com/contsens |

# Partner

## Partner 1

| | |
|---|---|
| Name: | European Consortium for the Learning Organisation |
| City: | Wavre |
| Country/Region: | Bruxelles Cap, Brussel Hof |
| Country: | BE-Belgium |
| Organization Type: | association/non-governmental organisation |
| Homepage: | http://www.eclo.org |

## Partner 2

| | |
|---|---|
| Name: | GIUNTI Labs S.r.l. |
| City: | Sestri Levante |
| Country/Region: | |
| Country: | |
| Organization Type: | others |
| Homepage: | http://www.giuntilabs.com |

## Partner 3

| | |
|---|---|
| Name: | London Metropolitan University |
| City: | London |
| Country/Region: | Greater London |
| Country: | UK-United Kingdom |
| Organization Type: | university/Fachhochschule/academy |
| Homepage: | http://www.londonmet.ac.uk |

## Partner 4

| | |
|---|---|
| Name: | Plovdiv University “Paisii Hilendarski |
| City: | Plovdiv |
| Country/Region: | |
| Country: | |
| Organization Type: | university/Fachhochschule/academy |
| Homepage: | http://www.uni-plovdiv.bg |

# Partner

## Partner 5

| | |
|---|---|
| Name: | Corvinno Technology Transfer Center Ltd |
| City: | Budapest |
| Country/Region: | Közép-Magyarország |
| Country: | HU-Hungary |
| Organization Type: | research institution |
| Homepage: | http://www.corvinno.com |

# Project Files

corvinno_evaluation.pdf

http://www.adam-europe.eu/prj/4338/prj/corvinno_evaluation.pdf

WP4 - Course Evaluation for Corvinno (This document contains evaluations for WP 4/5/6/7)

corvinno_wp3.pdf

http://www.adam-europe.eu/prj/4338/prj/corvinno_wp3.pdf

WP 3 - Local System Design for Corvinno

ericsson_wp_5_evaluation.pdf

http://www.adam-europe.eu/prj/4338/prj/ericsson_wp_5_evaluation.pdf

WP5 - Course Evaluation for Ericsson

ericsson_wp6_evaluation.pdf

http://www.adam-europe.eu/prj/4338/prj/ericsson_wp6_evaluation.pdf

WP6 - Course Evaluation for Ericsson

ericsson_wp7_evaluation.pdf

http://www.adam-europe.eu/prj/4338/prj/ericsson_wp7_evaluation.pdf

WP7 - Evaluation for Ericsson

general_system_design.pdf

http://www.adam-europe.eu/prj/4338/prj/general_system_design.pdf

General System Design for using wireless technologies for context sensitive, location based training.

giunti_ericsson_wp3.pdf

http://www.adam-europe.eu/prj/4338/prj/giunti_ericsson_wp3.pdf

WP 3 - Local System Design for Ericsson / Giunti Labs

london_met_wp6.zip

http://www.adam-europe.eu/prj/4338/prj/london_met_wp6.zip

WP6 - Course Evaluation for London Met

london_wp4_evaluation_report.pdf

http://www.adam-europe.eu/prj/4338/prj/london_wp4_evaluation_report.pdf

WP4 - Course Evaluation for London Met

london_wp5_evaluation_report.pdf

http://www.adam-europe.eu/prj/4338/prj/london_wp5_evaluation_report.pdf

WP5 - Course Evaluation for London Met

LTRI_WP3.zip

http://www.adam-europe.eu/prj/4338/prj/LTRI_WP3.zip

WP 3 - Local System Design for London Met

## Project Files

ltri_wp7_evaluation.pdf

http://www.adam-europe.eu/prj/4338/prj/ltri_wp7_evaluation.pdf

WP7 - Evaluation for London Met

plovdiv_wp3.pdf

http://www.adam-europe.eu/prj/4338/prj/plovdiv_wp3.pdf

WP 3 - Local System Design for Plovdiv

PU_WP4_Report.pdf

http://www.adam-europe.eu/prj/4338/prj/PU_WP4_Report.pdf

WP$ - Course Evaluation for Plovdiv

PU_WP5_Report.pdf

http://www.adam-europe.eu/prj/4338/prj/PU_WP5_Report.pdf

WP5 - Course Evaluation for Plovdiv

PU_WP6_Report.pdf

http://www.adam-europe.eu/prj/4338/prj/PU_WP6_Report.pdf

WP 6 - Evaluation for Plovdiv

PU_WP7_Report.pdf

http://www.adam-europe.eu/prj/4338/prj/PU_WP7_Report.pdf

WP7 - Evaluation for Plovdiv

## Products

1 General System Design

2 Local System Design

3 Progress REPORT 2007-1968 (Leonardo da Vinci)

4 Final REPORT 2007-1968 (Leonardo da Vinci)

# Product 'General System Design'

| | |
|---|---|
| Title: | General System Design |
| Product Type: | others |
| Marketing Text: | General System Design for using wireless technologies for context sensitive, location based training. |
| Description: | This document discusses different wireless technologies which can be used for context sensitive, location base training. |
| Target group: | All institutions interested in deploying context sensitive, location based trainng |
| Result: | Completed |
| Area of application: | Life Long Learning |
| Homepage: | www.ericsson.com/contsens |
| Product Languages: | English |

# Product 'Local System Design'

| | |
|---|---|
| Title: | Local System Design |
| Product Type: | others |
| Marketing Text: | The local system design demonstrates how the partners are adapting their own systems to enable context sensitive, location based training |
| Description: | Ericsson/Giunti Labs, London Met, Corvinno and Plovdiv University have each adapted their local systems to incorporate context sensitive, location based training. Due to local circumstance, each solution is different. |
| Target group: | Institutions interested in incorporating context sensitive, location based training into their life long learning offering. |
| Result: | Complete |
| Area of application: | Life long learning |
| Homepage: | www.ericsson.com/contsens |
| Product Languages: | English |

# Product 'Progress REPORT 2007-1968 (Leonardo da Vinci)'

| | |
|---|---|
| Title: | Progress REPORT 2007-1968 (Leonardo da Vinci) |
| Product Type: | others |
| Marketing Text: | The report details the progress of the project during the 1st year (2008) |
| Description: | Progress Report |
| Target group: | All institutions interested in deploying context sensitive, location based trainng |
| Result: | Completed |
| Area of application: | Life long learning |
| Homepage: | www.ericsson.com/contsns |
| Product Languages: | English |

## product files

2007_1968_PR_CONTSENS.pdf
http://www.adam-europe.eu/prj/4338/prd/3/1/2007_1968_PR_CONTSENS.pdf

# Product 'Final REPORT 2007-1968 (Leonardo da Vinci)'

| | |
|---|---|
| Title: | Final REPORT 2007-1968 (Leonardo da Vinci) |
| Product Type: | others |
| Marketing Text: | Final Report summarises the outputs of the project |
| Description: | Final Report summarises the outputs of the project |
| Target group: | All those interested in Life Long Learning, context sensitive and location based education and training and mobile learning |
| Result: | Project completed in full |
| Area of application: | Context sensitive, location based education and training and mobile learning |
| Homepage: | www.ericsson.com/contsens |
| Product Languages: | |

## product files

2007-1968-FR-CONTSENS.pdf

http://www.adam-europe.eu/prj/4338/prd/4/1/2007-1968-FR-CONTSENS.pdf

# Events

## Vitality in Organisations - Fit Until the Finish

| | |
|---|---|
| Date | 04.03.2009 |
| Description | The CONTSENS project has been provided with a dedicated stream during ECLO's 16th International conference which will be held at the KPC Group's HQ in Hertogenbosch in the Netherlands |
| Target audience | Business practitioners, industry thought-leaders, consultants and academics looking to further their own knowledge of the problems and issues being experienced by organisations as they develop and implement solutions to the new challenges presented by the digital information age. |
| Public | Event is open to the public |
| Contact Information | Jim Jack, Conference Manager, ECLO<br>www.eclo.org |
| Time and place | KPC Group<br>Hertogenbosch<br>The Netherlands<br><br>18-19 June, 2009 |