MODULAR AND PORTABLE VIRTUAL DAIRY SIMULATOR

ES/08/LLP-LdV/TOI/149052

http://www.adam-europe.eu/adam/project/view.htm?prj=4026
Project Information

Title: MODULAR AND PORTABLE VIRTUAL DAIRY SIMULATOR
Project Number: ES/08/LLP-LdV/TOI/149052
Year: 2008
Project Type: Transfer of Innovation
Status: granted
Country: ES-Spain

Marketing Text: The current proposal of elaborating a Portable Modular and Virtual Simulator for the Dairy Industry was born from a previous tool developed in Aula de Productos Lácteos – Universidad de Santiago de Compostela, in the year 2001, the “Virtual Simulator of Dairy Industry” (http://www.simuladorleche.com).

The revision of this tool to create a Multilanguage, modular, intuitive and SCORM conformance is a demand from EUROPEL-EDTA (European Association of Dairy Industries Teachers, created in 1990) partners, that identified the previous simulator as a training tool with many pedagogical possibilities.

Moreover, the dairy industry employs 400.000 persons, distributed in 12.500 companies which support 9.4% of the sales volume in Food, drinks and tobacco, group NACE 15.5 - EUROTAT EUROPEAN BUSSINES. FACTS ANDA FIGURES. 2007 Edition – and the actual context indicate a promising opportunity to position it in the head of quality world dairy production, in such a way that is imperative to increase competence trough education of human resources.

The consortium will be formed by six partners: USC.APL (Spain), coordinator of the proposal and mixed partner (technical-technological); PEXEGO (Spain) 100% technological partner specialized in e-learning solutions. Partner specialized in vocational and continuous training in dairy industries will be HANI (Finland), UWM (Poland), COLEGIUL AGRICOL FALTICENI (Romania) and UCAPOR.ESB (Portugal).

No English partner will be present in the project; however there will be an English version of the tool.

The impact previewed will be bequeath of new last generation tools for trainers/teachers of workers and future workers of European dairy industries, so we intend to promote the tool between partners of EUROPEL-EDTA (117 partners), between teachers of the partners centres (100 teachers) and between workers of dairy industries , in which partners impart continuous training.

Summary: The general objective of this project is to contribute to the development and improvement of dairy industry competence by improving education of human resources. The specific objectives include:

- To increase the number of training tools available and provide trainers and teachers with quality tools that facilitate students’ comprehension in theoretical courses and that allow saving costs without losing formative efficiency.
- To promote the use of ICTs in a sector traditionally reluctant to incorporation of changes or new tools
- Facilitate the development of innovative practices in the e-learning context.
- Make training affordable in dairy industries even in special situations, such as geographic problems or disability situations.

ence, the project will create a Portable Modular and Virtual Simulator for the Dairy Industry.

Description: The project will create a Portable Modular and Virtual Simulator for the Dairy Industry that will consist, in end of the project lifetime, in 25 simulation objects (learning objects), in 6 languages (English, Spanish, Polish, Romanian, Finish and Portuguese) and a author tool that will allow to elaborate combined simulations to create lines and processes, adequate with trainers needs. Besides, a web page with access to the tool, diffusion material and two guides will be created (for creation of simulation objects for using the author tool).

Themes: *** ICT
*** Others
*** Open and distance learning
*** Continuous training

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Project Information

- Sectors: * Agriculture, Forestry and Fishing
- Product Types: open and distance learning
- Product information: The main result of this project is The MPV Dairy Simulator with 28 simulation objects (learning objects), in 6 languages (English, Spanish, Polish, Romanian, Finish and Portuguese) and a author tool that will allow to elaborate combined simulations to create lines and processes, adequate with trainers needs. Besides, a web page with access to the tool, diffusion material and two guides will be created (for creation of simulation objects for using the author tool).

Project homepage: http://www.dairysimulator.com
Project Contractor

Name: Aula de Productos Lácteos - Universidad de Santiago de Compostela
City: Lugo
Country/Region: Galicia
Country: ES-Spain
Organization Type: National Agency
Homepage: http://www.usc.es

Contact Person

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Homepage: http://www.tecal.net
Coordinator

Name: Aula de Productos Lácteos -Universidad de Santiago de Compostela
City: Lugo
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Country: ES-Spain
Organization Type: National Agency
Homepage: http://www.usc.es

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Partner 1

Name: Häme Vocational Institute
City: Hämeenlinna
Country/Region: Etelä-Suomi
Country: FI-Finland
Organization Type: others
Homepage:

Partner 2

Name: Colegiul Agricol Falticeni
City: Falticeni
Country/Region: Nord Est
Country: RO-Romania
Organization Type: university/Fachhochschule/academy
Homepage:

Partner 3

Name: Universidade Católica Portuguesa - Escola Superior de Biotecnologia
City: Porto
Country/Region: Norte
Country: PT-Portugal
Organization Type: university/Fachhochschule/academy
Homepage:

Partner 4

Name: University of Warmia and Mazury in Olsztyn
City: Olsztyn
Country/Region: Warminsko Mazurskie
Country: PL-Poland
Organization Type: university/Fachhochschule/academy
Homepage:

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Partner

Partner 5

Name: Pexego Sistemas informáticos SL
City: Lugo
Country/Region: Galicia
Country: ES-Spain
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: http://www.pexego.es
Products

1. 28 Learning Objects in 6 languages
2. Authoring tool
Product '28 Learning Objects in 6 languages'

Title: 28 Learning Objects in 6 languages

Product Type: open and distance learning

Marketing Text: This Dairy simulator is the latest generation digital tool, which facilitates teaching in every context and at all levels of training. It enriches the catalogue of available tools. It is designed from the outset as a multilingual tool, this feature being essential to ensure the tool’s viability and added European value.

Description: 28 LEARNING OBJECTS, 25 MACHINES AND 25 TEMPLATES (The number of LO may be easily increased as it is possible to create new LOs from existing machines by modifying the product to treat) IN THE FORM OF INDEPENDENT SIMULATION OBJECT IN 6 LINGUISTIC VERSIONS
THE LEARNING OBJECTS CAN BE USED IN ANY LEARNING ENVIRONMENT AND IN THE WIDE RANGE OF LMS (LEARNING MANAGEMENT SYSTEMS) AS WELL AS IN CLASSROOM TEACHING SESSIONS WITHOUT NEEDING TO DEPEND ON THE BASIC SYSTEM.
THE OBJECTS WILL CONFORM WITH SCORM (SHAREABLE CONTENT OBJECT REFERENCE MODEL): THE ADVANTAGE OF DEVELOPING PACKAGES WITH LEARNING CONTENT USING SCORM SPECIFICATION IS THAT SCORM HAS BECOME THE MOST COMMONLY USED INTERNATIONAL SPECIFICATION FOR SHARING INFORMATION BETWEEN SYSTEMS. EACH SCORM OBJECT IS PACKAGED IN METADATA WHICH PROVIDES INFORMATION ABOUT THE LEARNING OBJECT AND ITS CONTENT SUCH AS THE TOPIC, SUBJECT AND OTHERS. THIS SYSTEM WILL

Target group: The first target group consists of teachers of the dairy industry and associated technologies who are training students (vocational) and with workers in the industry (in-service training)
A second target group are workers in the dairy industry who take on the challenge of self training during their working life.

Result: 28 LEARNING OBJECTS IN 6 LINGUISTIC VERSIONS.

Area of application: LONG LIFE (E-)LEARNING

Homepage: http://www.dairysimulator.com

Product Languages: Spanish
Product 'Authoring tool'

Title: Authoring tool

Product Type: open and distance learning

Marketing Text: This Dairy simulator is the latest generation digital tool, which facilitates teaching in every context and at all levels of training. It enriches the catalogue of available tools. It is designed from the outset as a multilingual tool, this feature being essential to ensure the tool’s viability and added European value.

Description: This software, which conforms to SCORM, will allow the user to add different independent simulations together to create a new and more complex one in which two or more objects can work simultaneous.

The authoring tool as well, allows for the creation of LOs from machines and machines from templates.

Target group: Teachers/trainers of the dairy industry and associated technologies who are training students (vocational) and with workers in the industry (in-service training).

Workers in the dairy industry who take on the challenge of self training during their working life.

Result: Open source software to combine learning objects in order to create dairy production lines. Also to create machines from templates or LO from machines.

Area of application: Open source software to combine learning objects in order to create dairy production lines. Also to create machines from templates or LO from machines.

Homepage: http://www.dairysimulator.com

Product Languages: Spanish
Events

Final meeting

Date 04.12.2010

Description Reunión final de cierre del proyecto, una vez finalizada la conferencia final.

Target audience Partners of the project

Public Closed event

Contact Information

Time and place Olsztyn-Poland
4th of December 2010

Final conference.

Date 03.12.2010

Description The Final Conference took place in Olsztyn, Poland on December 3rd, 2010. There were 35 people attending the meeting. Among participants were project partners, e-learning expert, Vice-Dean of the Faculty of Food Science in Olsztyn, professors from Faculty of Food Science, especially from the Department of Dairy Science and Quality Management, as well as students whose major is in Dairy Science.

Target audience Project partners, e-learning expert, Vice-Dean of the Faculty of Food Science in Olsztyn, professors from Faculty of Food Science, especially from the Department of Dairy Science and Quality Management, as well as students whose major is in Dairy Science.

Public Event is open to the public

Contact Information

Time and place December 3rd, 2010.
Olsztyn - Poland
Events

2nd monitoring meeting

Date 17.04.2010

Description Segunda reunión de coordinación

Target audience The partners of the project

Public Closed event

Contact Information

Time and place 17th of April 2010

First Monitoring meeting.

Date 09.10.2009

Description Primera reunión de coordinación

Target audience The partners of the project

Public Closed event

Contact Information

Time and place Falticeni-Romania
9-10 October 2009

Kick-off Meeting

Date 02.03.2009

Description Reunión de lanzamiento del proyecto en España.

Target audience The partners of the project

Public Closed event

Contact Information

Time and place Lugo, Spain.
2nd and 3rd of March, 2009
Project Tags

The project belongs to the following group(s):

- Best Projects (http://www.adam-europe.eu/adam/thematicgroup/MMVII)