Projects and Products Portal for Leonardo da Vinci

HUN-HYPOS- “Hungarian Distance Learning Training Structure on the Design and Operation of Hybrid Power Systems”

LLP-LdV-TOI-2008-HU-007

http://www.adam-europe.eu/adam/project/view.htm?prj=4557

Project Information

Title: HUN-HYPOS- “Hungarian Distance Learning Training Structure on the Design and Operation of Hybrid Power Systems”

Project Number: LLP-LdV-TOI-2008-HU-007

Year: 2008

Project Type: Transfer of Innovation

Status: granted

Country: HU-Hungary

Marketing Text: The project developed the adapted Hungarian Distance Learning Training Structure on the Design and Operation of Hybrid Power Systems.

Hybridization based on the combination of different energy sources to be used in a common supply system is the best option to utilise locally available renewable energy sources, and our training teaches this technology in the form of e-learning.

The 2 e-learning courses that has been developed in Moodle structure offering below trainings:
- Hybrid Technology Designer Expert
- Hybrid Technology Project Development Manager

For outside visitors a Demo course has been developed on the topic of Hybrid Power Systems overview and introduction, so as to help the future trainees to decide whether they wish to participate on the trainings to get the qualification they need for their future plans.

Summary: This project arises from the experience gained in another EC LdV project HYPOS-DILETR, in which distance learning programme on the design, operation and supervision of HPS was realised.
Our objective was to strengthen Hungarian energy expertise related to the technologies and best practices in renewable energy sector by providing a nationalized distance learning system: a comprehensive, specialized training programme, designed to be as flexible as possible to meet the training needs.

The workplan that has been implemented included survey of the existing training activities in Hungary, developing its e-learning structure and adapting the training material and additional materials into Hungarian language. Pilot implementation of the courses was carried out with 21 course participants. Their feedback was summarized, and also external and internal professional evaluation was carried out simultanuously. Based on the pilot evaluation report and external and internal professional evaluations, the consortium finalised the developed courses.
In the project afterlife with the consent of the Hungarian partners Contractor is offering the developed 2 courses to the Hungarian course participants from January 2011.

Description: During the Hun-Hypos project the partnership has developed 2 e-learning courses:
- Hybrid Technology Designer Expert
Target audiences and preliminary education of this course:
The computer skills and basic skills related to the Hybrid Technology Designer Expert level are linked to higher training. For this reason, the HPS Technology Designer level may be relevant to technical students in higher education and technical professionals graduating or graduated in the agriculture, waste management, farming areas.
Hybrid Technology Designer Expert
Course structure
Module 1 – Fundamentals of Energy Systems
Lesson 1: Hybrid systems, introduction
Lesson 2: Characteristics of energy systems
Lesson 3: Energy storage systems
Lesson 4: Power electronics devices
Module 2 – Energy production options

Project Information

Lesson 1: Fossil fuel operated generators
Lesson 2: Wind turbine generators
Lesson 3: Solar Energy Systems
Lesson 4: Operation options of dwarf and small hydroelectric power stations
Lesson 5: Biomass-fuelled power generation technologies
Lesson 6: Other renewable and “new” energy technologies
Module 3 - Hybrid systems design, management and economics
Lesson 1: Basic principles of hybrid systems
Lesson 2: Operational characteristics of hybrid systems
Lesson 3: Economic evaluation of hybrid systems
Lesson 4: Public support and policies of hybrid systems

- Hybrid Technology Project Development Manager
Target audiences and preliminary education of the course:
The Project Development Manager level requires knowledge of the entire product line in case of any the alternative energy system, but does not require a technical degree. It relates to the earlier area, but specialists with higher education may be designated. The following are target groups as well: experts who have received or are receiving facility manager, logistics manager, financial manager or regional economic expert training, local government experts, politicians, public utilities experts, because they can link the knowledge acquired to the needs of their respective fields.

Hybrid Technology Project Development Manager
Course content
Module 1 – Fundamentals of Energy Systems
Lesson 1: Hybrid systems, introduction
Lesson 2: Fundamentals of Energy Systems
Module 2 – Operating options of power generation and hybrid systems
Lesson 1: Renewable energy technologies
Lesson 2: Conventional generators and energy storage systems
Lesson 3: Operational characteristics of hybrid systems
Module 3 - Hybrid systems design, management and economics
Lesson 1: Economic evaluation of hybrid systems
Lesson 2: Public support and policies of hybrid systems

Both courses offering multimedia files including field trips and interviews on certain topics. The trainig material itself offering the necessary technological knowledge however additional Biography list has been developed so as to help trainees that wishes to learn more on certain topics.
During the learning process self-assessment test facilitating the trainees in their progress and they are requested to sit a final exam for the offered qualification.

Course participants that has visited certain modules only that they require for their career plans, are offered to be given a Certificate on their participation upon their request.

The Demo course that has been developed to be open for outside visitors offers the possibiliy to learn about the course in terms of content, its structure and its application at the same time to help students or adult learners to decide on the course participation.

Themes: *** Open and distance learning
* Sustainability
* ICT
* Lifelong learning
* Continuous training

Sectors: *** Electricity, Gas, Steam and Air Conditioning Supply
*** Professional, Scientific and Technical Activities
*** Education

Project Information

* Financial and Insurance Activities

Product Types: teaching material
open and distance learning
website
modules

Product information: E-learning course page: www.hunhypos.szie.hu
Project home page: www.hun-hypos.net
Product information and registration for the courses are available: oktatas@ecocenter.hu

Projecthomepage: www.hun-hypos.net

Project Contractor

Name:	Határok Nélkül Kft
City:	Budapest
Country/Region:	Közép-Magyarország
Country:	HU-Hungary
Organization Type:	SME - small and medium-sized enterprise (up to 250 employees)
Homepage:	http://www.hataroknelkul.hu

Contact Person

Name:	Emese Bertalan
Address:	Lovas út 31/b
City:	Budapest
Country:	HU-Hungary
Telephone:	+36-1-467-0356
Fax:	+36-1-422-0555
E-mail:	bertalan.emese@hataroknelkul.hu
Homepage:	http://www.hataroknelkul.hu

Coordinator

Name:	Határok Nélkül Kft
City:	Budapest
Country/Region:	Közép-Magyarország
Country:	HU-Hungary
Organization Type:	SME - small and medium-sized enterprise (up to 250 employees)
Homepage:	http://www.hataroknelkul.hu

Contact Person

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Fax:	+36-1-422-0555
E-mail:	bertalan.emese@hataroknelkul.hu
Homepage:	http://www.hataroknelkul.hu

Partner

Partner 1

Name:	University of Technology and Economics, Faculty of Economic and Social Sciences, Centre of Modern Languages
City:	Budapest
Country/Region:	Közép-Magyarország
Country:	HU-Hungary
Organization Type:	university/Fachhochschule/academy
Homepage:	http://nyi.bme.hu

Partner 2

Name:	Centre for Renewable Energy Sources
City:	Athens
Country/Region:	Attiki
Country:	EL-Greece
Organization Type:	research institution
Homepage:	http://cres.gr

Partner 3

Name:	Bluewaters Environmental Consultants
City:	Vienna
Country/Region:	Vienna
Country:	AT-Austria
Organization Type:	SME - small and medium-sized enterprise (up to 250 employees)
Homepage:	http://bluewaters.at

Partner 4

Name:	Szent István University
City:	Gödöll
Country/Region:	Észak-Magyarország
Country:	HU-Hungary
Organization Type:	university/Fachhochschule/academy
Homepage:	http://rgvi.gtk.szie.hu

Project Files

010_HUN-HYPOS_FinalExternalEvaluationReport_MERIG -FR final.pdf

http://www.adam-europe.eu/prj/4557/prj/010_HUN-HYPOS_FinalExternalEvaluationReport_MERIG%20-FR%20final.pdf

handbook.pdf

http://www.adam-europe.eu/prj/4557/prj/handbook.pdf

HUN-HYPOS_Dissemination plan_en.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS_Dissemination%20plan_en.pdf

HUN-HYPOS_Disszeminacios terv_hu-Final.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS_Disszeminacios%20terv_hu-Final.pdf

HUN-HYPOS KoM Minutes.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS%20KoM%20Minutes.pdf

HUN-HYPOS Minutes_2nd Meeting.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS%20Minutes_2nd%20Meeting.pdf

HUN-HYPOS Minutes_3rd Meeting.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS%20Minutes_3rd%20Meeting.pdf

HUN-HYPOS Minutes_4th Meeting.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS%20Minutes_4th%20Meeting.pdf

Hun-Hypos szorolap 10-10-27.pdf

http://www.adam-europe.eu/prj/4557/prj/Hun-Hypos%20szorolap%2010-10-27.pdf

HUN-HYPOS_WP6-Sustainability_Strategy.pdf

http://www.adam-europe.eu/prj/4557/prj/HUN-HYPOS_WP6-Sustainability_Strategy.pdf

irodalomjegyzék.pdf

http://www.adam-europe.eu/prj/4557/prj/irodalomjegyz%C3%A9k.pdf

Project Files

MeghívóMiskolc konferencia.pdf

http://www.adam-europe.eu/prj/4557/prj/Megh%C3%ADv%C3%B3Miskolc%20konferencia.pdf

prospektus 2010 12 20 vegleges.pdf

http://www.adam-europe.eu/prj/4557/prj/prospektus%202010%2012%2020%20vegleges.pdf

Products

1 Study on DL experiences in Hungary

2 Study on training needs related to HPSs in Hungary

3 Project website

4 E-learning Tranining courses in Hun-Hypos Moodle structue

5 Pilot test evaluation report

6 Newsletters

Product 'Study on DL experiences in Hungary'

Title:	Study on DL experiences in Hungary
Product Type:	others
Marketing Text:	A survey has been carried out in order to investigate the trainig needs of the adaptable courses related to DL experiences in Hungary as it is not wides-spread in the country os as to adapt the training course to the needs of the Hungarian target groups and the findings has been summarizes in our report
Description:	At the survey we also investigated the available courses and found that such course solely dealing with the Hybrid power system design and operation is not existing in Hungary. Survey on DL learning experiences has been carried out with a questionnaires containing 30 closed questions on order to define the below questions: • how wide-spread DL is in Hungary, whether people have experience in DL • whether this form of training is accepted for people with DL experience and if they want to take part in further DL courses • whether people have relevant learning and time management skills, which makes them able to learn on their own • what ICT skills they have
Target group:	Both target groups of the 2 courses, Educational Institutions
Result:	Study on the need analyis survey result, we analysed 108 filled out questionnaires, and the results proved our hypothesises: - only 26% of the respondensts has DL experience - in total 51% needs the teacher’s guidance that should be considered when adapting the training course material although 33% does not need it - Respondents have no problems using computer applications and the internet. For learning 26% uses the computer weekly, 39% sometimes, 15% daily.
Area of application:	Report on survey to develop the adapted course to Hungary
Homepage:	www.hun-hypos.net
Product Languages:	English

product files

DL need analysis BME ENG.pdf

http://www.adam-europe.eu/prj/4557/prd/1/1/DL%20need%20analysis%20BME%20ENG.pdf

DL need analysis BME HUN.pdf

http://www.adam-europe.eu/prj/4557/prd/1/1/DL%20need%20analysis%20BME%20HUN.pdf

Product 'Study on training needs related to HPSs in Hungary'

Title:	Study on training needs related to HPSs in Hungary
Product Type:	others
Marketing Text:	A survey has been carried out in order to investigate the trainig needs of the adaptable courses' content related to the desing and operation of HPSs-Hybrid Power Systems to Hungary
Description:	The training need of the target group has been investigated related to Hybrid Power systems. The partnerhip used questionnaires on the importance of specific topics related to Hybrid Power Systems technology, design and operation in order to detect the training needs in Hungary. The survey emphasized that Hungarian natural attributes are favourable for biomass utilization, geothermal energy and solar energy fields. For developing alternative energy production systems course material and identifying the content elements, the level and structure of knowledge needed to match the requirements, economic and market potentials should be taken into account. Furthermore, the know-how should be adapted to the local and regional attributes. The biomass energetic use and utilization program should be the most developed and emphasized. Furthermore, it is highly essential to overview the whole range of product verticums and product cycles. Geothermal system planning is of the same importance, the lack of relevant knowledge on the market is considerable. Higher education and vocational education do not involve this field; therefore, basic level knowledge, related management issues, and the know-how transfer can be the first and short -term realistic educational goal. The spread of solar energy in the public sector can be the highest volume, so by means of the courses the public can focus on basic environmental and economical interrelations, and also raise their awareness. Hydro energy and wind energy utilization and planning is more covered by education and vocational education and training. But at the same time, the national economic importance and expected small growth means a more moderate knowledge demand from the target groups.
Target group:	1. The technology designer level related PC know-how and identified basic skill needs can be connected to vocational education and training systems. Therefore, the HPS technology designer educational level can be equaled with higher education levels and forms, the target group is students of technical courses and different fields of professions such as: agriculture, waste management, economics. University degree holder experts can also form part of the target group. 2. The system planner level expects the candidates to understand alternative energy systems and their range of product-cycles, therefore beyond the first target group the energy planners, maintenance economists, logistics managers, finance managers, regional economics experts, municipality experts, politicians, public utility companies could be prioritised, because they can immediately use the acquired knowledge. Previous technical or mechanical studies are not required. Educational Institution interested in Technology related courses
Result:	The result of the survey has been summarized in the report
Area of application:	To develop the adapted training course materials to Hungary based on the finding of the survey
Homepage:	www.hun-hypos.net
Product Languages:	English

product files

Needs_Survey_HPS-en_final.pdf

http://www.adam-europe.eu/prj/4557/prd/2/1/Needs_Survey_HPS-en_final.pdf

Needs_Survey_hu-HR_final.pdf

http://www.adam-europe.eu/prj/4557/prd/2/1/Needs_Survey_hu-HR_final.pdf

Product 'Project website'

Title:	Project website
Product Type:	website
Marketing Text:	Create awareness on the project and facilitate the sustainability of the developed course materials, the project webpage contains the latest information on the project progress.
Description:	In order to promote the project and its main objectives and results to the end-users and key regional and national stakeholders in Hungary the project website contains detiasl of each project steps and milesstone sand also teh results of the project to interested parties.
Target group:	Future trainees. Public, interested in sustainability issues, energy issues, environmental actions
Result:	Internet site with continuosly updated information related to project and also sustainability actions, events
Area of application:	Dissemination method
Homepage:	www.hun-hypos.net
Product Languages:	English

Product 'E-learning Tranining courses in Hun-Hypos Moodle structue'

Title: E-learning Tranining courses in Hun-Hypos Moodle structue

Product Type: website

Marketing Text: Hybridization based on the combination of different energy sources to be used in a common supply system is the best option to utilise locally available renewable energy sources, and our training teaches this technology in the form of e-learning.
The developed training courses can be found in our Hun-Hypos moodle structure in English and Hungarian along with interactive elements, multimedia files, self assessment tools.
We have also developed a Demo course for those Hungarian participants that are wishing to learn more about the structure, content, usage of the course before deciding on Participation.

Description: Hybrid systems (HPSs) are those independent power generation systems which are based on the operation of more than one source of energy with a parallel use of energy sources applying common support equipment, and where the entire system produces electricity for local or network use.
Course structure Hybrid Technology Designer Expert
Module 1 – Fundamentals of Energy Systems
Lesson 1: Hybrid systems, introduction
Lesson 2: Characteristics of energy systems
Lesson 3: Energy storage systems
Lesson 4: Power electronics devices
Module 2 – Energy production options
Lesson 1: Fossil fuel operated generators
Lesson 2: Wind turbine generators
Lesson 3: Solar Energy Systems
Lesson 4: Operation options of dwarf and small hydroelectric power stations
Lesson 5: Biomass-fuelled power generation technologies
Lesson 6: Other renewable and “new” energy technologies
Module 3 - Hybrid systems design, management and economics
Lesson 1: Basic principles of hybrid systems
Lesson 2: Operational characteristics of hybrid systems
Lesson 3: Economic evaluation of hybrid systems
Lesson 4: Public support and policies of hybrid systems

Course content - Hybrid Technology Project Development Manager
Module 1 – Fundamentals of Energy Systems
Lesson 1: Hybrid systems, introduction
Lesson 2: Fundamentals of Energy Systems
Module 2 – Operating options of power generation and hybrid systems
Lesson 1: Renewable energy technologies
Lesson 2: Conventional generators and energy storage systems
Lesson 3: Operational characteristics of hybrid systems
Module 3 - Hybrid systems design, management and economics
Lesson 1: Economic evaluation of hybrid systems
Lesson 2: Public support and policies of hybrid systems

Target group: Course 1 – Hybrid Technology Designer Expert

Target audiences and preliminary education
The computer skills and basic skills related to the Hybrid Technology Designer Expert level are linked to higher training in tehcnological field. For this reason, the HPS Technology Designer level may be relevant to technical students in higher education and technical professionals graduating or graduated in the agriculture, waste management, farming areas.

Course 2 – Hybrid Technology Project Development Manager:
Target audiences and preliminary education
The Project Development Manager level requires knowledge of the entire product

Product 'E-learning Tranining courses in Hun-Hypos Moodle structue'

Target group:	line in case of any the alternative energy system, but does not require a technical degree. It relates to the earlier area, but specialists with higher education may be designated. The following are target groups as well: experts who have received or are receiving facility manager, logistics manager, financial manager or regional economic expert training, local government experts, politicians, public utilities experts, because they can link the knowledge acquired to the needs of their respective fields.
Result:	Moodle e-learning platform
Area of application:	Pilot implementation has been carried out and evaluated. The Hun-Hypos courses are open to course participants registering since January 2011
Homepage:	http://www.hunhypos.szie.hu/
Product Languages:	English

product files

Hun-Hypos course contents.doc

http://www.adam-europe.eu/prj/4557/prd/4/1/Hun-Hypos%20course%20contents.doc

Product 'Pilot test evaluation report'

Title: Pilot test evaluation report

Product Type: others

Marketing Text: The partnership has carried out pilot implementation on the developed courses:
- Hybrid Technology Designer Expert
- Hybrid Technology Project Development Manager
The participants of the courses evaluated the pilot courses and the pilot evaluation report includes the participants' feedback on the courses.

Description: The partnership has carried out a pilot implementation on the developed courses:
- Hybrid Technology Designer Expert
- Hybrid Technology Project Development Manager
The participants of the courses has filled out a questionnaire evaluating:
- the on-line training material
- the e-learning platform
- the tutoring
- the developed self-assessment tests.
The partnership summarized the questionnaires and provided a report on them.
Based on the evaluation of the pilot participants' -sometimes very subjective while in other cases very useful feedbacks-
for finalising the project material and upon the external professional evaluations the training materials has been finalised in the final phase of the project.

Target group: Target group of the courses:
1. Technology Designer course is dveloped for students in technical education and technical professionals, as for the proper understanding of the curriculum technical pre-training is necessary.
2. Project Development Manager course does not require technical education, so its target group is higher education professionals who can link the acquired the knowledge to the needs of their own specialization, however sufficient interest in the technical direction is necessary as the training contains clearly summarized basic technological information.

Result: The training material has been finalised:
- Professional revision of the training material has been carried out
- Lectoring of the Hungarian version of the training material has been carried out
- Further learning material on the Hungarian Energy market and trends, policies have been added to the Module 1 Unit 1 of both courses
- Additional Bibliograhy list has been developed for those wishing to gain further knowledge on the subjects of the trainig material
- Demo course has been developed to show the structure, content and overview of the project for outside visitors to be able to decide on the participation
-Self assessment questions have been added to the existing ones
- Additional multimedia files have been added to the training material

Area of application: The evaluation report provided a feedback for the partnership in oreder to finalise the traing material

Homepage: www.hun-hypos.net

Product Languages: English

product files

Evaluation_Report_Hun_Hypos_EN.pdf

http://www.adam-europe.eu/prj/4557/prd/5/1/Evaluation_Report_Hun_Hypos_EN.pdf

product files

Pilot Evaluation_Report_Hun_Hypos-HUN.pdf

http://www.adam-europe.eu/prj/4557/prd/5/1/Pilot%20Evaluation_Report_Hun_Hypos-HUN.pdf

Product 'Newsletters'

Title:	Newsletters
Product Type:	others
Marketing Text:	Regular newsletters (Nr 1-5) were developed on the achievement of each milestone that has been reached over the project implementation.
Description:	During the project phase 5 Newsletters has been developed and circulated in order to create acknowledgement on the project result and in order to make fundations for the sustainability of the project results.
Target group:	Target group of the project and also potential trainees of the developed training, also public interested in education and sustainability
Result:	Responses in every stage showed us, that there is a need for such course and the interest towards courses offering the knowledge on renwable energy technology producing electricity is strong and exist
Area of application:	Contribution towards project implementation and sustainabilty
Homepage:	www.hun-hypos.net
Product Languages:	Hungarian

product files

HUN HYPOS Hirlevel 1 HUN.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%201%20HUN.doc

HUN HYPOS Hirlevel 2 HUN.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%202%20HUN.doc

HUN HYPOS Hirlevel 3 ENG.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%203%20ENG.doc

HUN HYPOS Hirlevel 3 HUN.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%203%20HUN.doc

HUN HYPOS Hirlevel 4 ENG.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%204%20ENG.doc

HUN HYPOS Hirlevel 4 HUN.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%204%20HUN.doc

HUN HYPOS Hirlevel 5 ENG.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%205%20ENG.doc

HUN HYPOS Hirlevel 5 HUN.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20Hirlevel%205%20HUN.doc

HUN HYPOS newsletter 1 ENG final.doc
http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20newsletter%201%20ENG%20final.doc

product files

HUN HYPOS newsletter 2 ENG final.doc

http://www.adam-europe.eu/prj/4557/prd/6/1/HUN%20HYPOS%20newsletter%202%20ENG%20final.doc

Events

Passive House Expo

Date	28.10.2010
Description	Participation and leaflet distribution in Passive House Expo and Clean Energy Conference
Target audience	Potential trainees: engineers, energy planners
Public	Event is open to the public
Contact Information	Határok Nélkül kft
Time and place	Budapest, 28.10.2010

FENNTARTHATÓ ENERGIAGAZDÁLKODÁS- Dissemination conference

Date	27.10.2010
Description	FENNTARTHATÓ ENERGIAGAZDÁLKODÁS II. SZAKMAI KONFERENCIA A MEGÚJULÓ ÉS FOSSZILIS ENERGIÁK KAPCSOLÓDÁSA ÉS LEGHATÉKONYABB FELHASZNÁLÁSI MÓDJAI
Target audience	Energy professionals and public interested in energy issues
Public	Event is open to the public
Contact Information	http://www.kezunkbenajovonk.hu/index.php?pg=public/archive
Time and place	27/10/2010 Miskolc Megyeháza - BAZ Megye Önkormányzat Hivatala - Díszterem

Events

Belgrade International Fair “Ecology and Energy “

Date	13.10.2010
Description	Participation on Exhibition. Meetings and presentations for companies, institutes and organisations interested in in energy and education projects in South eastern European Countries. Target group: Representatives of universities, vocational education centres, research institutes, private companies, public companies, chamber of commerce and industry
Target audience	Representatives of universities, vocational education centres, research institutes, private companies, public companies, chamber of commerce and industry
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Belgrade, 13-15.10.2010

4th Final Project mtg

Date	11.10.2010
Description	Report and finalisation of Pilot implementation report Professional evaluation of the training material content Finalisation of training materials, methodology and moodle system Project closure and preparation for final and financial reporting Preparation for project afterlife: course sustainability strategy and course business plan preparation
Target audience	Project partnership
Public	Closed event
Contact Information	Coordinator@emese.bertalan@hataroknelkul.hu
Time and place	11-12/10/2010, Gödöll, SZIE Institute

Events

Dissemination event

Date	11.10.2010
Description	Dissemination event for SZIE students on the project results and experiences
Target audience	SZIE University students
Public	Event is open to the public
Contact Information	Szent István University
Time and place	Gödöll, SZent István University Campus 11.10.2010

Workshop

Date	28.09.2010
Description	Workshop “Energy- and Energy efficiency in buildings in Hungary” and Economy Forum in Graz” Chance in Hungary Thematic Forum and Workshop for Styrian companies, institutes and organisations interested in the investment and implementation in energy projects in Hungary (solar collectors, small hydro power plants, wind energy plants, geothermal sources).
Target audience	Representatives of private and public companies, chamber of commerce and industry, research institutes
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Graz, 28.09.2010

ÖKOTECH exhibition

Date	05.05.2010
Description	Participation in ÖKOTECH exhibition, distributing leaflets
Target audience	Potential trainees: target group representatives: engineers or energy planners
Public	Event is open to the public
Contact Information	Határok Nélkül kft
Time and place	Budapest, 05.05.2010

Events

Round Table

Date	03.05.2010
Description	Round Table “Geothermal Energy” tyrian companies and organisations in the fields of environmental infrastructure discussed about the possibilities how to develop relevant learning materials for the Central-European Countries.
Target audience	Representatives of private and public research institutions, universities, and training centres
Public	Closed event
Contact Information	Bluewaters Environmental Consultants
Time and place	Graz, 03.05.2010

CONSTRUMA Exhibition

Date	16.04.2010
Description	Participation on CONSTRUMA Exhibition
Target audience	Potentional trainees: engineers or energy planners
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Budapest, 16.04.2010

RENEXPO Exhibition

Date	16.04.2010
Description	Participation in RENEXPO Exhibition, leaflet distribution
Target audience	Potential trainees
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Budapest, 16.04.2010

Events

Eco-World Styria Workshop

Date	14.04.2010
Description	Eco-World Styria Workshop: “Let´s improve the Greentech world”
Target audience	Styrian companies, organisations and institutes in the fields of environmental infrastructure: Potential partners in the after project phase Representatives of entrepreneurs, research centres, universities, training centres and public bodies
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Graz, 14.04.2010

Workshop

Date	22.03.2010
Description	Workshop «Management and Economy of the Digital Knowledge: Its contribution to the Green Development» Participation and presentation: “From the European Projects of Green Development to Best Practices in Education”
Target audience	Professional on environmental developemtn and education
Public	Event is open to the public
Contact Information	CRES
Time and place	Athens - King George Hotel, 22 March 2010

Workshop

Date	05.02.2010
Description	Workshop: “Renewable Energy Sources and Regional Development”
Target audience	
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Güssing, 05.02.2010

Events

Seminar and workshop

Date	03.02.2010
Description	Project seminar on pilot application: introducing the courses, participation details and also the evaluation of the pilot implementation
Target audience	People interested in participating on pilot implmentation: students and also employees also for both courses
Public	Event is open to the public
Contact Information	oktatas@ecocenter.hu
Time and place	Budapest, 03/02/2010, Határok Nélkül Iroda

Forum "Usage of the Geothermal Energy"

Date	03.02.2010
Description	Forum "Usage of the Geothermal Energy" in Bad Blumau
Target audience	Networking for the project afterlife
Public	Closed event
Contact Information	Bluewaters Environmental Consultants
Time and place	Bad Blumau, 03.02.2010

EDUCATIO 2010 exhibition

Date	22.01.2010
Description	Participation in EDUCATIO 2010 exhibition
Target audience	Potential future trainees: interested representatives of both target groups
Public	Event is open to the public
Contact Information	Határok Nélkül kft
Time and place	Budapest, 22.01.2010

Events

Workshop

Date	20.11.2009
Description	Workshop: Styrian know-how transfer in the fields of Sustainable Resource Management
Target audience	Potential partners in the after project phase
Public	Event is open to the public
Contact Information	Bluiewaters Environmental Consultants
Time and place	Graz, 20.11.2009

“Quality management in adult education”

Date	04.11.2009
Description	Workshop on “Quality management in adult education”
Target audience	Experts and representatives of educational organisations from Italy and Austria
Public	Closed event
Contact Information	Blueawaters Environmental Consultants
Time and place	Vienna/ Austria, 04.11.2009

Mediterranean Symposium

Date	23.10.2009
Description	Mediterranean Symposium «Perspectives for Water, Solid Waste & Energy management in view of the Copenhagen Conference (COP 15)», “On the educational programs of CRES”. Presentation made at 3rd Session: “Educating on Sustainable Energy options and lifestyles”
Target audience	Energy and Waste management professionals, planners, politicians
Public	Event is open to the public
Contact Information	CRES
Time and place	Athens 23-24 October 2009, (MEC Conference Centre).

Events

“Renewable Energy Sources and Sustainable Resource Management”

Date	16.10.2009
Description	“Renewable Energy Sources and Sustainable Resource Management”
Target audience	Representatives of educational organisations and chambers of commerce from Styria
Public	Event is open to the public
Contact Information	Bluewaters Environmntal Consultants
Time and place	Graz, Austria, 16.10.2009

3rd Project mtg

Date	15.10.2009
Description	Discussion of the project progress, and preparation for the interim report Discussion on the need analysis survey, the existing trainings and the findings of the WP2, discussion on the training need studies. Finalisation of the methodology applied, the training material adaptation of the course materials in connection with the findings of the study on HPSs for the pilot implementation Preparation of the pilot implementation Discussion of the developed Moodle application and tools.
Target audience	Project partnership
Public	Closed event
Contact Information	Coordinator: emese.bertalan@hataroknelkul.hu
Time and place	15-16- October 2009, Budapest, BME ITK Institute

Events

“Environmental Infrastructure and RES”

Date	06.10.2009
Description	Styrian Workshop: “Environmental Infrastructure and RES”
Target audience	Responsible experts of entrepreneurs, representatives of educational organisations and chambers of commerce from Styria and other counties of Austria
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Graz/ Austria, 06.10.2009

Energo Expo Debrecen

Date	29.09.2009
Description	Participation on Energo Expo
Target audience	Potential trainees
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Debrecen, 29.09.2009

BNV and Educational Exhibition

Date	11.09.2009
Description	Participation in BNV with special regard on the Educational Exhibition
Target audience	Potential trainees
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Budapest, 11.09.2009

Events

Workshop

Date	09.07.2009
Description	Workshop: Renewable Energy potentials in SEE countries
Target audience	Potential partners in the after project phase Representatives of entrepreneurs, public bodies, education managers
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Graz, 09.07.2009

HUN- HYPOS project presentation

Date	30.05.2009
Description	Presentation on HUN- HYPOS project to raise awareness of the project and its results: the result of the need analysis carried out in Hungary in the project 1 phase
Target audience	Public, interested professionals
Public	Event is open to the public
Contact Information	Organised by contractor
Time and place	Budapest, 30.05.2009

Events

2nd Partner meeting

Date	25.05.2009
Description	Discussion of the project progress, and the monitoring visit at Contractor. Discussion on the need analysis survey, the existing trainings and the findings of the WP2, discussion on the training need studies Discussion of the transfer methodology: in terms of translation method, and methodological adaptation related to the target groups learning experience. Discussion of the training material adaptation of the course materials in connection with the findings of the study on HPSs. Discussion of the applied ICT tools, Moodle application and tools.
Target audience	Project partnership
Public	Closed event
Contact Information	Coordinator: emese.bertalan@hataroknelkul.hu
Time and place	25/05/2009, Budapest, BME ITK Insitute

MACH-TEHC/ElectroSalon

Date	19.05.2009
Description	Participation in MACH-TEHC/ElectroSalon Exhibition
Target audience	Potential trainees, target group representatives
Public	Event is open to the public
Contact Information	Határok Nélkül kft
Time and place	Budapest, 2009.05.19-22

Events

Nemzetközi Klímaváltozás, Energiatudatosság, Energiahatékonyság Konferencia

Date	16.04.2009
Description	Nemzetközi Klímaváltozás, Energiatudatosság, Energiahatékonyság Konferencia, Szeged
Target audience	Interested professionals, potential trainees
Public	Event is open to the public
Contact Information	Határok Nélkül Kft-Contractor
Time and place	Szeged 2009.04.16

HUNGAROTHERM/CONSTRUMA Exhibition

Date	03.04.2009
Description	Participation in HUNGAROTHERM/CONSTRUMA Exhibition
Target audience	Potential trainees for the project afterlife
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Budapest, 03.04.2009

RENEXPO Exhibition

Date	03.04.2009
Description	Participation in RENEXPO Exhibition
Target audience	Potential trainees for the project afterlife
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Budapst, 03.04.2009

Events

RES & Agriculture Workshop

Date	17.02.2009
Description	RES & Agriculture Workshop, about agriculture, RES and regional development (A1)
Target audience	Target group: Experts and representatives of universities, chambers of commerce, from Hungary and Austria
Public	Event is open to the public
Contact Information	Bluewaters Environmental Consultants
Time and place	Vienna/ Austria, 17.02.2009

HUN- HYPOS project presentation and workshop

Date	13.02.2009
Description	Workshop and presentation on HUN- HYPOS project in order to attract trainees to participate in the need analysis survey and also in the test course. The developed questionnaires were introduced and also filled in by those willing to participate in the survey.
Target audience	
Public	Event is open to the public
Contact Information	Organized by Contractor
Time and place	

Conference "Regional Development and Agriculture"

Date	09.02.2009
Description	University West Hungary, Conference "Regional Development and Agriculture"
Target audience	Potential partners, end-users for the after project phase
Public	Event is open to the public
Contact Information	Bluewaters Environmental consultants
Time and place	Mosonmagyaróvár,09.02.2009

Events

EDUCATIO Exhibition

Date	23.01.2009
Description	Participation on EDUCATIO exhibition
Target audience	Potential trainees: students, adults interested in participating trainings
Public	Event is open to the public
Contact Information	Határok Nélkül kft
Time and place	Budapest, 23.01.2009

Workshop on need analysis in Hungary

Date	09.01.2009
Description	
Target audience	
Public	Closed event
Contact Information	
Time and place	

HUN- HYPOS Presentation and workshop

Date	13.12.2008
Description	Workshop and presentation to attract trainees to participate in the need analysis survey and also raise awareness on the project results among educators. In order to involve professionals in the need analysis outside the project partnership
Target audience	Professionals and also interested parties on renewable energy sources and related technology
Public	Event is open to the public
Contact Information	Organized by Contractor
Time and place	Budapest, 13.12.2008

Events

Kick-off meeting

Date	14.11.2008
Description	Discussion on the requested data for the National Agency, clarifying the work to be carried out. Discussion on administrational, contractual, financial, reporting issues. Establishment of Project management Team with the task of strategic control of the project progress. Discussion of the key findings and training course of the adaptable project regarding Hun-Hypos project’s target group. Discussion of the Hungarian target groups and their competences in order to develop the questionnaires for the need analysis in Hungary. Discussion on dissemination activity in order to draw up the Dissemination plan. Discussion of the moodle application
Target audience	Project partnership
Public	Closed event
Contact Information	Coordinator: emese.bertalan@hataroknelkul.hu
Time and place	14/11/2008, Athens, Greece, CRES Institute

Worksop

Date	06.11.2008
Description	InnoKraft-Workshop about know-how transfer in the field of RES
Target audience	The participants are potential partners for the after-project phase
Public	Closed event
Contact Information	Bluewaters Environmental Consultants
Time and place	Vienna 6.-7.11.2008

Events

ÖKOTECH exhibition

Date	14.10.2008
Description	Participation in ÖKOTECH exhibition
Target audience	Potential trainees: engineers or energy planners
Public	Event is open to the public
Contact Information	Határok Nélkül Kft
Time and place	Budapest, 14.10.2008

Project Tags

The project belongs to the following group(s):

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