



Supporting system for nonformal and informal learning for low-skilled workers

System wsparcia uczenia się pozaformalnego i nieformalnego dla osób o niskich kwalifikacjach

„Lifelong Learning Programme”

LEONARDO DA VINCI
Transfer of Innovation

Call: 2010





COMPOSITION OF THE PARTNERSHIP

- **Instytut Technologii Eksploatacji – Państwowy Instytut Badawczy**
Polska (Lider Partnerstwa)
- **Towarzystwo Naukowe Organizacji i Kierownictwa, Oddział w Gdańsku,**
Polska
- **Ente Acli Istruzione Professionale Friuli-Venezia Giulia,** Trieste, Italy
- **Universitatea Dunarea de Jos din Galati,** Romania
- **Polskie Stowarzyszenie Gipsu,** Polska

The project focuses on educational stimulation of people with special educational needs - the transfer of innovation in the area:

- § research training needs using a computer program: „*System for Monitoring and Evaluation of Competence for Workers*”.
- § training materials in the form of educational packages for the module technology of „*Drywall System Installers*”
- § procedural solutions validation and certification of competence for „*Drywall System Installers*”



Objectives and tasks of the project:

- § identify training needs of persons assembling plasterboard (*Drywall System Installers*)
- § develop training materials in the form of e-learning packages (e-learning technology) for the module „*Drywall System Installers*”
- § establish rules and procedures for validation and certification of competence for *Drywall System Installers* referring to ECVET solutions.
- § testing by the Partners of e-packages in the form of training or self-selected group of people assembling plasterboard



Work package number	1
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Work package aims.

- to provide operational and financial planning of the project
- to ensure the coordination of activities
- to manage administrative and financial aspects of the project
- to elaborate intermediate and final reports

Description of activities.

The project manager will work together with the partners during the whole project to ensure monitoring activities, the correct management of expenses, the implementation of all activities foreseen in the work plan and its amendments.

All partners will be asked to:

- provide information to carry out monitoring activities and to elaborate operational and financial reports
- provide human resources for the implementation of activities
- inform timely the lead partner in case of change in the activities about the need of amendments/integrations to the work plan.

Description of methodological / pedagogical framework (where relevant).

The management of the project will be ensured through the use of a IT platform made available by Applicant which allows centralize the communication and archive documents.

The platform will be articulated in different areas of interest (coordination, administration, dissemination, monitoring, evaluation, etc) and each individual responsible for a phase will be assigned username and password in order to avoid the dispersion of information and simplify the management operations.

The systems allows monitor access to the platform and be automatically updated about new messages through the automatic notification system delivering e-mail messages containing an alert about new messages in the platform. In this way there will be a constant control of the project manager on the transmission of communication and respect of deadlines set in the detailed planning phase.

Work package number

2

Work package aims.

- to verify the appropriate execution of the tasks of the project
- to build a monitoring approach supporting the continuous improvement of methods and processes and the definition of corrective measures if needed
- to establish procedures and corrective measures if needed in case of delay in the development of the project results or inappropriate performances of the partners
- to promote a reflection in order to give further inputs to the development of the project
- to observe and evaluate the valorisation plan

Description of activities.

The evaluation expert will have the task to:

- elaborate the monitoring and evaluation plan;
- elaborate the formats to be completed and collected by the partners;
- elaborate intermediate and final quality reports.

Description of methodological / pedagogical framework (where relevant).

The monitoring and evaluation plan will include the evaluation framework, details about the tools and timing of activities. The evaluation will be as participative as possible (built together with the project manager and implemented with the collaboration of all participants and users). Great emphasis will be placed in the transferability and sustainability of the results dimensions.

Work package number

3

Work package aims.

This is the main work package of the project. It aims at elaboration and application of supporting system for learning of DryWall System Installers. Transferred elements of support system include:

- usage of IT system enabling monitoring and evaluation of workers competencies to training needs analysis, and enabling the definition of competencies required for Drywall Systems Installer
- educational package adapted to the training needs, requirements of IT environment (off-line and on-line version) and different training forms "Performing partition walls from different materials". Its functioning will be tested for selected professional competencies among DryWall System Installers in every partner country.

In this work package the partners are going also to:

- activate the virtual cooperative work environment
- improve IT system which enables monitoring and evaluation of workers competencies
- organise of at least 2 exploitation seminars in each partner country
- promote method on competencies analysis and application innovative training materials with use of electronic packages

Description of activities.

- transfer of existing supporting system of learning to Romania and Italy. Additionally the procedural solutions including the validation of DryWall Systems Installer competencies will be developed
- translation of IT system, educational package and Polish system of validation
- improvement of package of specialised materials concerning DryWall System

Description of methodological / pedagogical framework (where relevant)

The members of the work group appointed by each partner will meet each other and will assign tasks according to the deadline set for the delivery of outputs. They will use the cooperative work environment to share the results of their work with the other work group members.

The partnership will conduct pilot application of IT system and educational package among DryWall System Installers.

Work package number

4

Work package aims.

- Motivate and make aware the participants to the project in the launch phase
- Publish the initiative and the results produced at national and international levels
- Make the stakeholders and institutional decision makers sensitive about the effectiveness and transferability of the supporting system of learning.

Description of activities. Limit:

This WP is articulated during the whole life span of the project because it foresees the implementation of dissemination activities, information and training aiming at diffusing the knowledge of the model among partners and stakeholders. It includes:

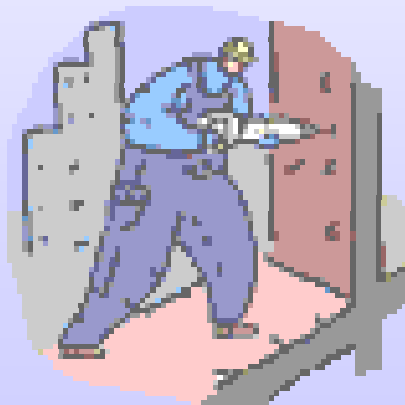
- translation of projects materials into English to be used by foreign partners
- organization of a launch meeting when IT tool, educational package (already available) and Polish validation system will be transferred to the partners (partner responsible ITeE-PIB)
- set up of the virtual cooperative environment where the materials presented at the meeting will be archived and available and set up the public project web site (responsible partner - ITeE-PIB)
- organisation of information and promotion at seminars to local stakeholders to present the IT competencies diagnosis tool and opportunities of application at the local level. Seminars for each local context will be organised to present elements of supporting system of learning (IT competencies diagnosis tool, training package for DryWall System Installers and validation procedures) (1 seminar Applicant Partner, 1 seminar Partner 1, 1 seminar Partner 2 and 2 seminars Partner 3)
- organisation of a final conference to present the results of the transfer of innovation project and the conference proceedings (partner responsible ITeE-PIB).

Description of methodological / pedagogical framework (where relevant).

The dissemination activities will be coordinated jointly by the partnership. All partners will be involved in the activities of this WP because they have to ensure the activation of their networks, contacts and communication tools available.

RESULTS OF THE PROJECT

E-educational package adapted to the requirements of the IT environment (technology, e-learning) and to various forms of training, particularly in non-formal and informal mode.



Training in selected activities (competence) among workers engaged in professional installation of gypsum products, and among workers who prefer self-study.

The validation of professional competence on the model already developed in ECVET.

Virtual environment of the partnership cooperation - Website of the project

- online forum (available only to Partners)
- insertion, grouping and sharing of documents (available only to Partners)
- notification function via email (available only to Partners)
- information about Project and Partners
- reference to the websites of partner organizations



„IT system of monitoring and evaluation of employees competencies”

- preparing the English version of a computer program
- develop a user guide (in English)
- conducting training needs analysis (all partners)
- selection of training content to the needs of *Drywall System Installers*

The screenshot shows the ITE website interface. At the top, there is a banner for the "Wieloletni Program PW-004 SP-5" and "DOSKONALENIE SYSTEMÓW ROZWOJU INNOWACYJNOŚCI W PRODUKCJI I EKSPLOATACJI W LATACH 2004-2008". Below the banner is a login form with fields for "Login:" and "Hasło:" and a "Zaloguj" button. To the right of the login form is a large image of a person using a mobile device, with the text "System Monitoringu i Ewaluacji Kompetencji Pracowników". Below the login form is a navigation menu with items like "STRONA GŁÓWNA", "WYSZUKIWANIE KOMPETENCJI", "Monitorowanie kompetencji", "Ewaluacja kompetencji", "Baza kompetencji", "Baza instytucji", "Baza ekspertów", "Baza mediów", "Metody i narzędzia badawcze", "Linki", "Pomoc", "Info", and "Aktualności". To the right of the navigation menu is a section titled "Lista dostępnych ankiet" with a table of questionnaires.

Nr	Branża/ sektor	Nazwa zerołu
1	Mechatronika	Technik mechatronik
2	Mechatronika	Montaż mechatronik
3	Mechatronika	Diagnosta samochodowy
4	Mechatronika	Mechanik automatyki przemysłowej i urządzeń procesyjnych
5	Technologie informacyjne	Konserwator systemów komputerowych i sieci
6	Technologie informacyjne	Administrator baz danych
7	Technologie informacyjne	Administrator systemów komputerowych
8	Technologie informacyjne	Analizy systemów komputerowych
9	Technologie informacyjne	Projektant systemów komputerowych

E-education package for „Production of partition walls form various materials”

- prepare an educational package in printed form - English version
- develop design guidelines for the adjustment of the educational package to IT platform
- develop a package body in the form required for the IT environment
- adaptation of an e-package to an IT environment (e-learning technology)
- citing an IT- package on the IT platform and on electronic



REPORTS OF THE PROJECT

Report of a pilot implementation of an educational package for „*Technology of Interior Drywall Systems*”

International comparisons of competence report for „*Drywall System Installers*”



SCHEDULE

c) the partial stage of the report:

Name	Work Package (WP1, ...)	The media (print, CD-ROM, etc.)	Languages	Number of copies	Deadline for completion (month / year)	Responsible partners
1	2	3	4	5	6	7
Website of the project	WP1	Internet	Polish, English	1	03/2011	ITeE-PIB
Monitoring System and Evaluation of Competence for Workers - a computer program	WP1 WP3 WP4	Internet	Polish, English, Italian, Romanian	1	06/2011	ITeE-PIB TNOiK Universitatea Dunarea de Jos din Galati
User's Guide to Monitoring and Evaluation System of competence of Workers	WP1 WP4	Print CD-ROM Internet	Polish, English, Italian, Romanian	200 (druk)	06/2011	ITeE-PIB TNOiK En.A.I.P. FVG Universitatea Dunarea de Jos din Galati

d) at the final stage of report:

Name	Work Package (WP1, ...)	The media (print, CD-ROM, etc.)	Languages	Number of copies	Deadline for completion (month / year)	Responsible partners
1	2	3	4	5	6	7
Educational package “Performing partition walls from different materials”(version on-line and off-line)	WP1 WP2 WP3 WP4	Print CD-ROM Internet	Polish, English, Italian, Romanian	100 (druk)	06/2012	ITeE-PIB TNOiK En.A.I.P. FVG Universitatea Dunarea de Jos din Galati PSG
Report of a pilot implementation of an educational package	WP1 WP4	Internet	Polish, English, Italian, Romanian	1	12/2012	ITeE-PIB TNOiK PSG
International comparisons of competence report	WP1	Internet	Polish, English, Italian, Romanian	1	12/2012	ITeE-PIB