



Project Title

Educational and Training System for Clean Coal Technology "CleanCOALtech"

Project Type

LIFELONG LEARNING PROGRAMME / LEONARDO DA VINCI / Transfer of Innovation TOI/2012

Duration 2 years

Partners

- **UPB** - Politehnica University in Bucharest, Romania - Coordinator
- **ISPE** - Institute for Studies and Power Engineering, Romania
- **ARoTT** - Romanian Association for Technology Transfer and Innovation
- **UEDIN** - The University of Edinburgh, UK
- **CRES** - Centre for Renewable Energy Sources and Saving, Greece

Objectives

- **The general objective** of CleanCOALtech project is: to create and develop an educational and training system for promoting, developing and implementing clean coal technologies, through knowledge and best practices shared from advanced EU country - UK to South-East European region - Romania and Greece in order to provide high performance and innovation in the vocational education and training systems and to raise stakeholders level of knowledge, skills and competencies;
- **Specific objective:** Support stakeholders in training and further training activities in order to raise the level of knowledge and skills and facilitate personal development
- **Specific objective:** Improve the quality and innovation in vocational education and training systems
- **Specific objective:** Enhance the attractiveness of vocational education and training
- **Specific objective:** Promoting competitiveness in education and training systems
- **Specific objective:** Encourage the learning of modern languages

Activities

WP 1 - Project Management and Coordination

WP 2 - State of Play - each national environment in Romania, Greece and UK:

- Level of economic, technological, regulatory framework development for the field targeted by the project - power industry - operational fossil fuels power plants
- Legal and regulatory framework
- Occupation categories identification according to the National Occupational Classification (COR)
- Structure of the personnel within the targeted institutions, grouped in two types: specialists - with basic technical skills; non-specialists - with other basic skills; initial and long life learning existing systems for employees from the energy industry

WP 3 - Assessment of the level of performance and knowledge in Romania and Greece:

- Evaluation of the level of performance and technical knowledge of the target groups (specialists and non-specialists), in the field of clean coal technology

WP 4 - Technological and know how transfer from UK to Romania and Greece, by:

- Enhancing the existing learning and training system
- Defining the topic structure for the trainers and organising the training session (from donor to receivers), considering the knowledge level assessment of the targeted group
- Establishing the didactic methods / tools and techniques; developing a curricula for 2 training modules (specialists and non-specialists)

WP 5 - Long life learning support materials - Educational package for the targeted group (specialists and non-specialists) from the coal power sector in Romania and Greece

WP 6 - Organising the training sessions for the coal power sector employees (specialists and non-specialists)

WP 7 - "CleanCOALtech" Project results dissemination and promotion

Expected Results

- Reports of findings of the current technological situation in coal fired PPs for each partners' country - Romania, Greece and UK and one Joint report
- Curricula elaboration for specialists and for non-specialists; didactic methods / tools and techniques for CVET system
- New skills and abilities to be learned by the target groups in the coal power sector
- Project website
- Training session 1 x developed by UK for 7 trainees (5xRO, 2xGR) considering the knowledge level and CVET needs of the targeted group
- Training sessions developed by the trainees for the target groups in the coal power sector - specialists and for non-specialists (4 x RO x 25 employees; 2 x GR x 25 employees; 200 x training handbooks) considering the knowledge level and CVET needs of the targeted groups in the coal power sector
- Dissemination and promotion activities addressed to the projects' results, CVET system and LLL Programme via mass media and knowledge sharing events (3 x conferences, 400 x project flyers, press releases, articles published, 5 x participations to other events in the field)

Targeted Public

- Educational & training programs providers - companies specialised in providing IVET and CVET system development for the power industry
- Coal power industry mainly involved in the clean heat and power generation process within coal fired PPs
- Governmental agencies, regulatory authorities
- R&D Institutes
- Academic environment - universities and related R&D centers
- Consulting and engineering companies in the field
- NGOs

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