



Friday, November 8, 2013, Bucharest - Romania

University Politehnica of Bucharest (UPB) together with ISPE organized the first national conference CleanCOALtech 2013 with the topic "Clean fossil fuel technologies". The event took place at UPB's Library and was conducted under the auspices of the Vth edition of the International Conference on Energy and Environment - CIEM, 07-08.11.2013.

UPB has organized this event as coordinator of the "Educational and Training System for Clean Coal Technology - CleanCOALtech" project consortium along with ISPE - Institute for Studies and Power Engineering, Romania, the other members of the European consortium having their specific contribution too: ARoTT - Romanian Association for Technology Transfer and Innovation, Romania; University of Edinburgh, UK and CRES - Centre for Renewable Energy Resources and Saving, Greece. (Please see the attached Conference Programme).

First CleanCOALtech National Conference was generated by the need to disseminate the objectives and preliminary results of the project and the promotion of EU financing program: LIFELONG LEARNING PROGRAMME / LEONARDO DA VINCI / Transfer of Innovation - TOI/2012.

In the conference opening Professor Florin Alexe, UPB conveyed the message of Professor George Dariu, Rector, UPB who said that this year's edition of the International Conference on Energy and Environment - CIEM 2013 places particular emphasis on the transfer of knowledge and experience in the fields of energy and environment at the level of universities, research centres, industry representatives and private consulting and engineering companies recognized internationally. It also highlighted the need to use indigenous coal reserves that will certainly increase the country's geopolitical security, future implementation of innovative environmental technologies being focused on the 2014-2020 research programs funding opportunities.

DMT Company from Germany opened the technical sessions and presented a Bulgarian case study: Applying a technical-economic model for the UCG-CCS process (underground coal gasification combined with CCS). Toersten Gorke, DMT Germany stressed the need and opportunity to develop coal gasification technologies and CCS at regional and national level in Romania, if from a technical and economic analysis based on the quality and geological structures of domestic lignite these technologies will be proven feasible.

The presentation of the CleanCOALtech project carried out by ISPE reviewed the comparative results of the Joint Report between UK, Greece and Romania - on the situation in the coal energy sector, both in terms of demand, necessary production, existing technologies implemented at the power unit and the human resource structure, including CVET system development. Final slides also summarized:

General objective: The creation and development of 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 objectives:

- Support stakeholders in training and further training activities in order to raise the level of knowledge and skills and facilitate personal development

- Improve the quality and innovation in vocational education and training systems
- Enhance the attractiveness of vocational education and training
- Promoting competitiveness in education and training systems
- Encourage the learning of modern languages

Expected results and deliverables already fulfilled were summarized as follows:

- the level of performance and knowledge related to clean coal technologies were analysed at the level of the targeted audience in the energy industry in Greece and Romania
- the know-how and best practices transfer from the UK to Romania and Greece, by organizing training sessions for trainers, was performed
- development of training materials for targeted audiences (trainees - specialists and non - specialists in the coal power industry) from Romania and Greece
- organization of training sessions held by Romanian and Greek trainers and developed for the coal power plants employees - specialists and non - specialists
- promotion of project and lifelong learning program through media and knowledge transfer events

They following technical presentations within the CleanCOALtech National Conference were dedicated to environmental technologies for fossil fuels combustion, focusing on coal, by speakers from Romania - UPB, ICEMENERG, ISPE and UK - University of Edinburgh.

CleanCOALtech 2013 National Conference was moderated by dr. Carmencita Constantin, ISPE and dr Adrian Adam, ICEMENERG and Professor Florin Alexe, UPB.

The final message was marked by Professor Florin Alexe: "Romania can be considered a promoter of CCS technology in Eastern Europe with the hope that these concerns in areas of research, knowledge sharing and training programs in the field of clean coal combustion technologies will have a significant contribution and will merge all efforts for delivering a demonstration project. This example may be followed by other Balkan countries such as Bulgaria, Greece, Turkey, and vice versa we can accumulate and transfer their experience gained in the field of coal gasification."

The event brought together about 50 participants which appreciated the event as a real interest for the academic research and industrial companies: DMT - Germany, UPB - Romania, ICEMENERG - Romania, World Energy Council (WEC) - Switzerland, UEDIN - UK, OMV Petrom - Romania, ISPE - Romania, Energy Employers' Federation - Romania, CNAM - France.

At this international event, besides the event agenda, were distributed promotion and knowledge sharing materials as well: "CleanCOALtech - Project in Brief" flyer; CleanCOALtech CD - presentation of country reports (United Kingdom, Greece and Romania) in native languages and English and Joint Report - comparative energy coal analyses, in English.

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