

SIXTH FRAMEWORK PROGRAMME



Project no: **502687**

NEEDS

New Energy Externalities Developments for Sustainability

INTEGRATED PROJECT

*Priority 6.1: Sustainable Energy Systems and, more specifically,
Sub-priority 6.1.3.2.5: Socio-economic tools and concepts for energy strategy.*

RS - Deliverable n° 6.2

“National dissemination activities on the results from energy externalities calculation and policy recommendations”

Due date of deliverable: August 2008
Actual submission date: February 2009

Start date of project: 1 September 2004

Duration: 48 months

Organisation name for this deliverable: AEKI for NAC and OME for MPC in coordination with CUEC

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Introduction

The most dissemination activities on the results were conducted towards the end of the project itself. The main results of RS 1d to be disseminated were obtained within the work of WP5 which applied the methodology on the selected cases on the national level. The method and the results of its application on the selected case studies in project partner countries were presented on national as well as on international level through various dissemination forms – presentations on seminars, workshops and conferences, in peer reviewed articles and other written forms as well as organisation of conferences and courses or by presenting the results to policy makers or other stakeholders. Further dissemination activities are planned by the RS partners after the end of the project.

List of dissemination activities

I. REALIZED DISSEMINATION ACTIVITIES

Peer reviewed articles

Kudelko M., Internalisation of external costs in the Polish power generation sector: a partial equilibrium model, Energy Policy, Elsevier Science, Vol. 34, Issue 18, December 2006.

Kudelko M., Suwała W., Kaminski J., External costs of power sector – modelling approach (in Polish), Monograph no. 139, MEERI Publisher, Krakow 2007.

Kudelko M., Objectives of NEEDS project in the scope of cost and benefit analysis of energy policy (in Polish), Energy Policy, no. 10, vol. 2, MEERI Publisher, Krakow 2007.

Kudelko M., Internalisation of external costs in the Polish power generation sector – the cost-benefit analysis policy (in Polish), Energy Policy, no.1 , vol. 11, MEERI Publisher, Krakow 2008.

Non-refereed literature

Havránek, M., Ščasný, M., Melichar, J. (2009), What damage is caused by electricity generation at EU level? Proceedings of the ConAccount Conference 2008.

Ščasný, M, Havránek, M. (2009), Impact indicators of airborne pollution and climate change: Application of the ExternE method for economic sectors in the EU. Proceedings of the ConAccount Conference 2008.

Abdessalem, T. (2009), Synthetis in GEM, Global Energy for the Mediterranean - Observatoire Méditerranéen de l’Energie, January 2009.

Abdessalem, T., Allal, S., Energy externalities evaluation : Implementation of the ExternE Methodology , Tunisian Case. Issued in GEM (Global Energy for the Mediterranean), N°4, January 2009. www.ome.org

Presentations at conferences, workshops, seminars

Abdessalem, T., Presentation of the methodology and Tunisia case study in the workshop Politiques Energétiques et Changements Climatiques, Ecole Polytechnique de Tunisie, April 2006.

- Balajka, J., Role of biomass in energy system in terms of security of supplies and environmental impacts, VI International Biomass Forum (ISBF 2009), 9th-10th February 2009, City Hotel Bratislava, Slovakia.
- Balajka, J., Judák, J., External cost at energy generation, Conference Air Protection 2007, 26. - 28. November 2008, Vysoké Tatry, Štrbské Pleso, Slovakia.
- Balajka, J., Ščasný, M., Quantification of Energy Impact in CR a SR and its Use in Policy Making Process, Conference Air Protection 2008, 26. - 28. November 2008, Vysoké Tatry, Štrbské Pleso, Slovakia.
- Gechev, R., Presentation of the NEEDS project by the Bulgarian team, the Annual Research Assessment meeting at the University of National and World Economy (Sofia), December 2008.
- Havránek, M., Ščasný, M., Melichar, J., What damage is caused by electricity generation at EU level? ConAccount Conference 2008, 11-12 September, Prague.
- Kudełko M., ExternE methodology of external cost estimations (in Polish), Economics and Management in Mining Industry Conference, University of Science and Technology, Krakow, 2006.
- Kudełko M., Suwala W., External costs of power plants in Poland – modelling approach, NEEDS Forum 2 at AGH – University of Science and Technology, Krakow 2007.
- Kudełko M., EXTERNAL COST OF POWER GENERATION – THE NEEDS INTEGRATED PROJECT, XI International Conference of Management – The theory and practice, Faculty of Management, University of Science and Technology, Krakow 2008.
- Kudełko M., Presentation of methodology and results of the NEEDS Project on internal seminars in MEERI, Krakow 2007, 2008, 2009.
- Melichar, J., “ExternE” – European Approach for Valuation of Costs of Energy Systems (in Czech), Discussion workshop “Climate, External Costs, Competitive Industry”, Ministry of Industry and Trade of the Czech Republic, November 19th, 2008.
- Melichar, J., A Closer Look at Cost-Benefit Analysis, NEEDS Training Workshop, Centre de Developpement des Energies Renouvelables, Marrakesh, Morocco, December 3rd, 2008.
- Melichar, J., The external costs calculation in CEEC countries focusing on valuation of external cost associated with renewables, NEEDS Forum 3, Cairo, Egypt, January 28th, 2008.
- Melichar, J., Navrud, S., GeoExtension and Cost-Benefit Analysis, Conference “External costs of energy technologies”, European Economic and Social Committee, Brussels, Belgium, February 17th, 2009.
- Osán, J., Török, S., Groma, V., Sági, L., Assessment of environmental damages of electricity generation using the impact pathway approach, V. Nuclear Technical Symposium, 30 Nov. - 1 Dec. 2006, Paks, Hungary.
- Osán, J., Török, S., Börösök, E., Bozó, L., Sources and Environmental Impact of Hg, Pb and Cd Emission to the Atmosphere, 4th International Conference on Metals and Genetics (ICMG 2008), 21–24 July 2008, Paris, France.
- Osán, J., Börösök, E., Török, S., Evaluation of different electricity generation modes based on external costs and multicriteria decision model, ENERGOexpo Conference and Exhibition, 23-25 September 2008, Debrecen, Hungary.

Ščasný, M., Why and How to Use the Concept of External Costs in Policy Decision-Making. Course for Sustainability, Theme: Budgeting and Financing for Sustainability. Organized by Regional Environmental Center for Central and Eastern Europe and Venice International University, San Servolo / Venice, Italy, 7 September 2008.

Ščasný, M., Market-Based Instruments and Environmental Tax Reform: From One-goal to Multi-goal Instrument. Course for Sustainability, Theme: Budgeting and Financing for Sustainability. Organized by Regional Environmental Center for Central and Eastern Europe and Venice International University, San Servolo / Venice, Italy, 7 September 2008.

Ščasný, M., Damage And Externalities Due to Airborne Pollution and Climate Change. Seminar Series: Partnerships for Sustainable Development - Sustainable Public Policies and Business Practices for Black Sea Countries, in collaboration with the REC (Regional Environmental Centre for Central and Eastern Europe), Istanbul Bilgi University and Agroinnova. Venice International University, San Servolo / Venice, 6 October 2008.

Ščasný, M., Environmental Tax Reform – What We Can Learn from Each Others. The Czech Reality. Seminar Series: Partnerships for Sustainable Development - Sustainable Public Policies and Business Practices for Black Sea Countries, in collaboration with the REC (Regional Environmental Centre for Central and Eastern Europe), Istanbul Bilgi University and Agroinnova. Venice International University, San Servolo / Venice, 6 October 2008.

Ščasný, M., Máca, V., Monetary Valuation of Health Impacts (Temporary And) Spatial Effects (A Review of the ExternE Projects DROPS and NEEDS). WHO/JRC/EEA Workshop “The cost of inaction: economic evaluation in environment and health”, World Health Organisation, Rome, December 10-11, 2007.

Ščasný, M., Havránek, M., Impact indicators of airborne pollution and climate change: Application of the ExternE method for economic sectors in the EU. ConAccount Conference 2008, 11-12 September, Prague.

Török, S., Osán, J., Börcsök, E., Environmental externalities of electricity generation in Hungary, Yearly Symposium of the Hungarian Biomass Association, 26–28 February 2009, Sopron, Hungary.

Other products

NEEDS National Seminar, Hungary

A national seminar was organized on 23 February 2008, where the research group of Hungarian project partner AEKI presented the main results of the implementation of the ExternE methodology to the Hungarian power system, as well as future plans. Representatives of the Ministry of Environment and Water, and the Ministry of Transport, Communication and Energy as well as environmental managers of the fossil, nuclear and renewable power plants were invited. The meeting was of success, raising questions on the future energy mix of the electricity generation in Hungary.

Internal seminar, Slovakia

Application of ECOSENSEWEB model for evaluation of environmental impact of energy sources, Slovak Hydrometeorological Institute -SHMU, Department of air emission, February 18th, Bratislava, SHMU Slovakia

Courses at universities

Török, S., Energy and Environment, Central European University, Budapest

Török, S., Environment and Energy, Eötvös Loránd University, Budapest

University of Science and Technology, lectures on „Economics” and „Economics of

environmental protection”, Kudelko, Suwala 2007, 2008, 2009.

Projects finished

National Allocation Plan of CO₂ emissions 2008-2012, methodological issues and calculations, Kudelko, Suwala 2007 (The NEEDS external cost estimations used in the one of the scenario).

II. PLANNED DISSEMINATION ACTIVITIES

Presentations at conferences, workshops, seminars

International Conference "Financial Crisis and Climate Policy - Agent-Based Modelling for Sustainable Development", April 2-4, 2009, Venice, Italy – Gechev, R., presentation of the results of the NEEDS project in general and for Bulgaria in particular.

International conference "Sustainable Development and Competitiveness", September 2009, Sofia, organized by the Center for Sustainable Development at UNWE – presentation of the project results.

Seminar at the Hungarian Academy of Sciences – the main results of the implementation of the ExterneE methodology to the Hungarian power system, as well as future plans are planned to be presented.

Presentation at La Semaine du Développement Durable, IUT de Mantes-en-Yvelines, France, 31 March 2009.

Presentation at Séminaire d'Economie, Ecole Polytechnique de Tunisie, April –May, 2009.

Future projects

The implementation of the NEEDS results for the analysis of perspectives of the domestic mining and energy sectors; planned for at least two projects in 2009 financed by the public sources, Poland.

Articles

Peer-reviewed articles as well as articles in Hungarian electricity and environment related journals are in preparation.

Energy externalities evaluation : Implementation of the ExterneE Methodology , Egyptian and Moroccan Case To be issued in GEM (Global Energy for the Mediterranean), (OME publication)

Presentation to policy makers / stakeholders

Presentation of the Bulgarian national final report at the Ministry of Economy and Energy, at a deputy-Minister level and also at the ministry of Environment at a Ministerial level.

Meeting at CITET-Centre International des Technologies de l'Environnement de Tunis, with managers from Energy, Environment and Industry administrations and organizations, April – May 2009.

Presentation of the 1d activities, progress and results on the South Mediterranean countries to the General Assembly meetings of OME (that gathers high level representatives of main Mediterranean energy companies) and also in the GEM publication.