

# Newsletter

of PROMITHEAS Net

on energy and climate change policy research issues

Issue 21



## General Info

This bimonthly newsletter of the PROMITHEAS Network is distributed **free of charge** to more than 14,000 recipients in one hundred sixty (160) countries. It includes information about the network activities, its members and events concerning energy and climate change research. **Sponsorships for its circulation are welcomed.**

Polytechnic University of Tirana (Albania), ESC (Armenia), GPOGC (Azerbaijan), BSREC, TUSB (Bulgaria), EEGEO (Georgia), KEPA, CRES, NOA, AUTH, University of Aegean (Hellas), INEXCB-Kz, SRC KAZHININVEST (Kazakhstan), PCTC-KG (Kyrgyzstan), IPE (Moldova), ISPE (Romania), Finance Academy, ESSUT (Russian Federation), UOB-FMG (Serbia), SoDeSCo, IWP-AST (Tajikistan), TUBITAK-MRC, MUĞLA University (Turkey), ESEMI (Ukraine) and IUCPT (Uzbekistan).



### Editorial note

by

Prof. Dimitrios Mavrakis  
Coordinator of  
PROMITHEAS Network



The last Ministerial Meeting on Energy of the BSEC countries under the Bulgarian Chairmanship (Sofia, 28 January 2010) concluded with a "Declaration on the establishment of an integrated Black Sea energy market".

The document reflects the state of the ongoing efforts, since 2003, to proceed establishing such a market reflecting the existing conditions and limitations of the member states.

It is important to underline that during the preceded deliberations the BSEC ministers have agreed on the "gradual establishment" approach and also that the existing technical, institutional, economic and political conditions do not allow the incorporation of this "under establishment" market into the "Energy Community of S.E. Europe".

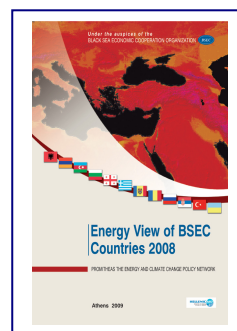
PROMITHEAS net that investigates such a perspective, for quite a long time, has expressed its readiness to further specify this declaration in a next ministerial meeting in cooperation with the BSEC Business Council.

### Regional contribution of PROMITHEAS Net

The Meeting of the BSEC Working Group (WG) on Energy was held on 27 January 2010 in Sofia (Bulgaria). During this meeting and under the session "Exchange of information on recent

developments in the field of energy in the BSEC Member States and on the development of projects having regional impact", the Coordinator of PROMITHEAS Net presented the 3<sup>rd</sup> edition of the "Energy View of BSEC Countries – 2008".

The WG took note with appreciation this edition and decided to ask the PROMITHEAS Net to send the next edition before its final printing to the relevant Ministries of each Member State with a view to receive updated information as well as comments on their national priorities.



The WG adopted the "Declaration on the Establishment of an Integrated Black Sea Energy Market" and decided to submit it to the Meeting of the Ministers of Energy of the BSEC Member States for approval.

### 3<sup>rd</sup> International Conference of PROMITHEAS Net

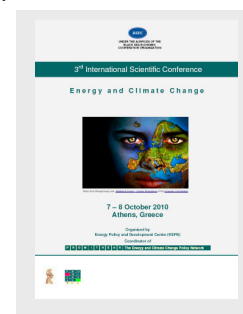
The PROMITHEAS Net is organizing the 3<sup>rd</sup> International Scientific Conference on "Energy and Climate Change" during 7-8 October 2010 in Athens (Greece). The first open call was released in February 2010.

Abstracts can be submitted electronically at:

**[promitheas@kepa.uoa.gr](mailto:promitheas@kepa.uoa.gr)**  
(Contact person Dr. Popi Konidari). An International Scientific Committee with members from Greece, EU BSEC and Central Asia countries will ensure the quality of the sessions.

Sponsorships are welcomed. Proceedings of the 2009 Conference are available on the web-site of the last year conference.

Details at:  
[http://www.kepa.uoa.gr/PROMITHEAS\\_Conference\\_2010.htm](http://www.kepa.uoa.gr/PROMITHEAS_Conference_2010.htm)



## Activities

### Activities of Energy Management Laboratory (EML) of the Department of Environment at the University of the Aegean, Greece

Written by  
Prof. Dias  
HARALAMPOPOULOS,  
Director of EML



The Energy Management Laboratory (EML) is part of the Dept. of Environment at the University of the Aegean, Greece. The Dept. of Environment was founded in 1986 as an academic institution focusing on the various aspects of the environment, covering a wide spectrum such as ecosystems, biodiversity, ecological and environmental engineering, socioeconomic issues, and energy management.

The EML has as its main aim the research, teaching and consultancy on aspects of energy, economy and environment interface. Secondary objectives are the estimation of energy potential, the evaluation of energy technology conversion, the economic analysis and the environmental and social impacts of energy utilisation.

EML has undertaken a number of projects and consultancies in energy management and renewable energy sources technologies evaluation and applications. It has a staff of engineers, environmentalists, geologists, and social scientists. The activities of the EML cover a wide spectrum of the energy cycle - both for conventional and renewable energy sources - from the initial source, through the conversion, to the final energy needs of society.

Some of the recent projects the EML is involved are:

- ICOSE - TEMPUS-Joint European Project: Innovative Curriculum on Sustainable Energy-

Development of a Master Program in Renewable Energy and Efficient Building Technologies for graduate engineers and architects. *Funding:* European Commission.

- Development of an Integrated Methodology for the exploitation of low enthalpy geothermal sources- THERMOPOLIS. *Funding:* General Secretariat for Research and Technology (Greece).
- Energy Planning: Development of a Framework for Energy Systems with Distributed Generation, Renewable Energy Technologies and Energy Efficiency. The Technological, Spatial and Analytical Dimensions. European National Fund. Programme for the Support of Human Resources in Research. *Funding:* Ministry of Development. (Greece).
- Methodological Framework for the Analytical Decomposition of Energy and Environmental Indicators: Development of a Software Tool and Application for Greece. European National Fund, Programme Pythagoras II. *Funding:* Ministry of Education (Greece).
- MCDA - Development and Application of a Multi-Criteria Decision Analysis Software Tool for Renewable Energy Sources, Category: Accompanying Measures, NNE 5/273/2001. Commission, Directorate General for Energy and Transport (DG TREN), RTD and Demonstration on Energy, Environment and Sustainable Development-Part B: Energy Programme

**Prof. Dr Dias Haralambopoulos** is Director of EML and a Professor of Energy Sources in the University of the Aegean, Dept. of Environment. He is a graduate of the National Technical University of Athens in Mechanical Engineering, has an MSc in Industrial Management and a PhD in Mechanical Engineering (Solar Energy) from the University of Birmingham, UK.

Details at: [www.aegean.gr/environment/energy](http://www.aegean.gr/environment/energy)

**Armenia:** Under the frame of the "Enabling Activities for the Preparation of Armenia's Second National Communication to the UNFCCC" UNDP/GEF Project the Ministry of Nature Protection and the UN Development Program in Armenia organized the "Presentation and Discussion of Armenia's Second National Communication to the UNFCCC".

(Climate Change Information Centre of Armenia, 5-2-2010) – Details at: <http://www.nature-ic.am/ccarmenia/en/?nid=241&id=287>

**Austria:** The 6<sup>th</sup> annual JI/CDM Workshop was held in Vienna during 28 - 29 January 2010.

(Austrian JI/CDM Programme, 27-1-2010) – Details at: <http://www.ji-cdm-austria.at/en/portal/aboutus/events/>

**Bosnia and Herzegovina:** EBRD provided a €17 million sovereign loan to finance the gasification of the Central Bosnia Canton. The loan will be on-lent to BH-Gas, the state-owned operator of gas network and the largest gas transport operator in the country.

(EBRD, 27-1-2010) – Details at: <http://www.ebrd.com/new/pressrel/2010/100127a.htm>

**Bulgaria:** The parliament voted unanimously in favour of the Nabucco pipeline deal. Five countries -- Austria, Bulgaria, Hungary, Romania and Turkey -- signed an agreement last July for the 7.9-billion-euro (11.1-billion-dollar) pipeline that will import annually 31 billion m<sup>3</sup> of gas from the Caspian Sea to Europe, starting in 2014.

(EUBusiness, 4-2-2010) - Details at: <http://www.eubusiness.com/news-eu/bulgaria-energy-gas.2ij>

**EU:** EU and Iraq sign a Strategic Energy Partnership Memorandum of Understanding.

(DG Energy, 20-1-2010) – Details at: [http://ec.europa.eu/energy/international/bilateral\\_cooperation/iraq\\_en.htm](http://ec.europa.eu/energy/international/bilateral_cooperation/iraq_en.htm)

Statistical Pocket Book 2010 Energy data and Emissions Data (Part 2 and Part 4) were updated.

(DG Energy, 2-2-2010) – Details at: [http://ec.europa.eu/energy/publications/statistics/statistics\\_en.htm](http://ec.europa.eu/energy/publications/statistics/statistics_en.htm)

A Technical workshop on electricity interconnections in the Mediterranean was held during 8-9 February 2010 in Brussels (Belgium).

(DG Energy, 8-2-2010) – Details at: [http://ec.europa.eu/energy/international/international\\_cooperation/euromed\\_en.htm](http://ec.europa.eu/energy/international/international_cooperation/euromed_en.htm)

DG Energy released a report on Libya as an EU important energy partner.

(DG Energy, 11-2-2010) – Details at: [http://ec.europa.eu/energy/observatory/third\\_country\\_en.htm](http://ec.europa.eu/energy/observatory/third_country_en.htm)

Two new Directorates-General (DG) were created: DG Energy (ENER) and DG Climate Action (CLIM). ENER consists of the departments in the former Transport and Energy DG dealing with energy issues and of the Task Force Energy which will be transferred from the External Relations DG. CLIM will be created from the relevant activities in DG Environment, the activities in the External Relations DG related to international negotiations on climate change and the activities in the Enterprise and Industry DG related to climate change.

(European Commission, 17-2-2010) – Details at: <http://europa.eu/rapid/pressReleasesAction.do?reference=IP/10/164&format=HTML&aged=0&language=EN&guiLanguage=en>

**FYROM:** A series of public awareness activities, in partnership with the United Nations Development Programme, were held to demonstrate the country's commitment towards combating climate change.

(United Nations Development Programme, 11-1-2010) – Details at: <http://europeandcis.undp.org/home/show/1DE4ABBD-F203-1EE9-B3AD87E868438AA1>

**Germany:** The climate protection target of the country under the Kyoto Protocol was met in 2008. Greenhouse gas emissions were 22.2% lower than in 1990 corresponding to a reduction of almost 280 million tones of GHG.

(Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, 1-2-2010) – Details at: [http://www.bmu.de/english/current\\_press\\_releases/pm/45227.php](http://www.bmu.de/english/current_press_releases/pm/45227.php)

**Georgia:** The Energy Conference “*Developing the Southern Corridor - promotion of Energy supplies from Caspian Region*” was held on 14 January 2010 in Batumi. The event was attended by high-level officials from Azerbaijan, Bulgaria, Romania, Lithuania, Poland, Ukraine, Belarus, Turkey, Kazakhstan, Turkmenistan, European Union and USA. The Conference aimed to facilitate further development of the Southern Corridor Initiative. It was based on the main principles of the Prague Southern Corridor Summit Declaration. The conference concluded with the “**Joint Statement of the Batumi Energy Conference**”.

(Ministry of Foreign Affairs of Georgia, 14-1-2010) – Details at: [http://embassy.mfa.gov.ge/index.php?lang\\_id=ENG&sec\\_id=373&info\\_id=5548](http://embassy.mfa.gov.ge/index.php?lang_id=ENG&sec_id=373&info_id=5548)

The final conclusions on Environmental and Social Impact Assessment Report of “*Black Sea Regional Transmission Line*” Project were released.

(Ministry of Energy, 29-1-2010) – Details at: <http://www.minenergy.gov.ge/index.php?m=262&newsid=292>

**International:** The International Energy Agency (IEA) released an information paper titled “*The Economics of Transition in the Power Sector*”.

(IEA, January 2010) – Details at: [http://www.iea.org/papers/2010/economics\\_of\\_transition.pdf](http://www.iea.org/papers/2010/economics_of_transition.pdf)

**Moldova:** The EBRD's Moldova Sustainable Energy Financial Facility (MoSEFF) will finance small and

medium energy efficiency investments undertaken by local enterprises operating in the industrial, agribusiness, and services sectors with loans of up to €2 million via local partner banks.

(EBRD, 12-2-2010) – Details at: <http://www.ebrd.com/new/pressrel/2010/100211a.htm>

**Poland:** The gas monopoly PGNiG signed a deal with Russian Gazprom to increase gas deliveries to Poland and extend a contract for transit of gas. The deal extends until 2037 a gas delivery contract signed in 1996 for gas transport from Russia to Poland. It also increases delivery to 10.2 billion m<sup>3</sup> annually.

(Rigzone, 29-1-2010) – Details at: [http://www.rigzone.com/news/article.asp?a\\_id=86636](http://www.rigzone.com/news/article.asp?a_id=86636)

**Russian Federation:** Russia and Hungary signed an agreement setting up a joint venture to build the Hungarian section of the South Stream gas pipeline. The agreement was signed in Budapest by Hungarian Finance Minister Peter Oszko and Russia's Deputy Prime Minister and chairman of Gazprom Viktor Zubkov.

(EUBusiness, 29-1-2010) – Details at: <http://www.eubusiness.com/news-eu/hungary-russia-gas.2gv/>

**Serbia:** The EBRD Board of Directors approved a €150 million sovereign loan to Serbijagas, a state-owned Serbian company responsible for the transmission, storage, distribution and trade of natural gas, to finance the upgrade of the country's gas transmission network and the construction of a new gas storage facility.

(EBRD, 9-2-2010) – Details at: <http://www.ebrd.com/new/pressrel/2010/100209d.htm>

**Turkmenistan:** The Presidents of Turkmenistan and Iran, Gurbanguly Berdimuhammedov and Mahmud Ahmadinezhad, took part in the solemn ceremony of commissioning the gas pipeline system Dovletabat - Serahs – Hangeran. The extent of the Turkmen site of the pipeline from the largest gas deposit Dovletabat in the southeast of Turkmenistan up to the settlement Salyr Yap on the border with Iran is 30.5 kilometers. This pipeline will transport annually up to 12.5 billion m<sup>3</sup> gas.

(Kazakhstan Today, 6-1-2010) - Details at: <http://www.kt.kz/index.php?lang=eng&uin=1133435125&chapter=1153506825>

### March

**3rd Nordic Biogas Conference, 10-12 March 2010, Oslo, Norway,** <http://nordicbiogass.ezpublish.no/2010/conference/>

**Power in West Europe, Evolution and Resolution in the World's Most Dynamic Power Markets, 11-12 March, 2010, Hilton Brussels, Brussels (Belgium).** <http://www.platts.com/ConferenceDetail.aspx?xmlpath=2010/pc091/index.xml>

**World Renewable Energy Technology Congress & Expo 2010, 18-20 March 2010, Le Meridien, New Delhi (India)** <http://www.wretc.in/>

**Sustainable Energy - Energy Bus Day, 26 March 2010, Tbilisi, Georgia.** Organized by the Energy Efficiency Center Georgia (EEC). [http://www.eusew.eu/page.cfm?page=event\\_content2&sby=4&sval=77&sd=40261&id=563](http://www.eusew.eu/page.cfm?page=event_content2&sby=4&sval=77&sd=40261&id=563)

### April

**International Exhibition on EE and RES for SE Europe, 14–16 April 2010, Inter Expo Center, Sofia (Bulgaria),** [http://www.viaexpo.com/index.php?option=com\\_content&view=article&id=9&Itemid=15&lang=en](http://www.viaexpo.com/index.php?option=com_content&view=article&id=9&Itemid=15&lang=en)

**European Wind Energy Conference and Exhibition (EWEC), 20 - 23 April 2010, Warsaw, Poland** <http://www.ewec2010.info/>

**European Energy Conference, 20-23 April 2010, Barcelona (Spain),** <http://www.e2c-2010.org/>

**Green Economics Conference and Green Jobs: First Ever Green Economics Conference in Venice (Italy), 20-23 April 2010,** <http://www.greeneconomics.org.uk/>

**Water & Environment 2010: CIWEM's Annual Conference, 28-29 April 2010, London (UK),** [http://www.ciwem.org/events/annual\\_conference/](http://www.ciwem.org/events/annual_conference/)

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