

5th International Scientific Conference

Energy and Climate Change

2nd open call



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**11 – 12 October 2012
Athens, Greece**

Organized by
Energy Policy and Development Centre (KEPA)
Coordinator of

P R O M I T H E A S The Energy and Climate Change Policy Network



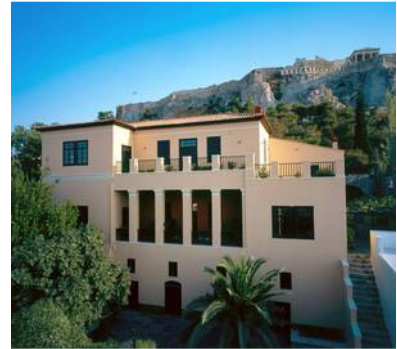
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The PROMITHEAS Conference started as an activity of a FP6 funded project and has developed as an annual Conference for scientists and researchers working in energy and climate change policy issues. The 1st PROMITHEAS Conference titled “**Energy Investments and Trade Opportunities**” in 2008 was a two-day event focused on political and scientific topics. The PROMITHEAS Conferences titled “**Energy and Climate Change**” that followed were also two-day events, but were dedicated exclusively on research issues.

All events are hosted by the oldest university of Greece, the National and Kapodistrian University of Athens (NKUA); organized by the Energy Policy and Development Centre (KEPA) of the NKUA, coordinator of the PROMITHEAS Network and set under the auspices of the Black Sea Economic Cooperation (BSEC) Organization.

This year the 5th International Scientific Conference titled “**Energy and Climate Change**” of the PROMITHEASnet will take place on **October 11-12, 2012** in Athens, Greece at a historical building of the National and Kapodistrian University of Athens at the root of the sacred rock of Acropolis, the “Old University” that hosts the Athens University History Museum.



The “Old University” is one of the oldest residential buildings of the pre – Othonic period still standing in Athens today. The exact date of its building is not known, but it can be identified as the building presented in the painting of the painter J. Carrey who visited Athens in 1674. It was formed by the architect Stamatio Kleanthi who bought it in 1830 when he came to Athens. It is situated beneath the imposing heights of the Acropolis with a panoramic view of Plaka, the Ancient Agora, the Athens Observatory and the Lycabbetus Hill. It is one of the most significant historical monuments of Athens loaded with the memories of the spiritual Renaissance of contemporary Greece. From 1837 and for four years, it functioned as the first University of the independent Greek state. The Athens University History Museum was inaugurated in 1987, in the context of the celebrations for the 150th Anniversary of the University of Athens.

The Conference is part of the United Nations Academic Impact (UNAI) activities after the inclusion of KEPA and PROMITHEASnet to the relative initiative of U.N. The event is asked to be set under the auspices of BSEC.

The Scientific Committee invites scientists, researchers, PhD candidates and policy makers from all over the world to participate.

A. Opening – Welcome Addresses

High level officials from BSEC countries and distinguished scientists, known for their research work in energy and climate change will be invited to chair the sessions and address the event.

B. Sessions

The sessions are oriented to energy and environment - climate change. An International Scientific Committee consisted of members from Greece, EU, BSEC and Central Asia countries will ensure the quality of the sessions.

The Energy Policy and Development Centre (NKUA-KEPA), coordinator of the PROMITHEAS Net is an academic research institute (within the National and Kapodistrian University of Athens). The PROMITHEAS network includes so far twenty five (25) members from sixteen (16) countries of S.E. Europe, Black Sea, Caspian Sea and Central Asia.

The activities of the Centre are mainly related to energy geopolitics, regional energy markets, promotion of energy investments and trade, environmental implications of energy use, design and evaluation of climate change policy instruments and their interactions, the energy transportation and interconnections; and the power sector.

The contact details of KEPA are the following:

**Energy Policy and Development Centre (KEPA)
National and Kapodistrian University of Athens**

Panepistimiopolis, KEPA Building

157-84 Athens, Greece

Tel.: (+30) 210-7275732, (+30) 210-7275809

Fax: (+30) 210-7275828

E-mail: epgsec@kepa.uoa.gr

Website: www.kepa.uoa.gr

The Conference Language is **English**. Intending contributors should submit initially **only abstracts**. Electronic submission (in MS Word format) through e-mail is strongly recommended. Abstracts will be reviewed by the Scientific Committee before their acceptance for presentation.

Abstracts should be approximately 250 words in length and should clearly quote the scientific contribution of the proposed presentation, the used methodology/approach and the expected outcomes. Authors should include at the end of the abstract up to five (5) scientific bibliographic references. Abstracts that do not fulfill the technical requirements will not be forwarded for review.

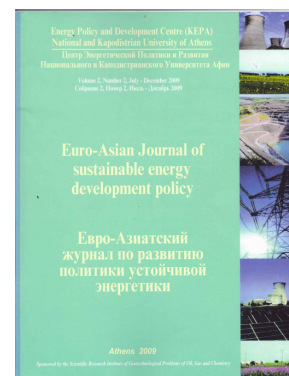
The authors are kindly requested **to indicate their affiliation, contact details and at which of the following themes and topics their work refers to**. A template for the abstracts is at the last page and attached. Intending contributors may download from the Conference web-site the *Guide for Abstracts/Papers* and the *Sample page* for preparing their documents according to the required format. An author whose abstract is accepted and intends to present that work is kindly requested to **register** before **September 14th, 2012**.

The book of all presented abstracts will be published and distributed with the Conference Program. The Conference Proceedings will include the full papers that were presented during the Conference. Authors should submit the full paper once they are informed that their abstract is accepted. All presentations will be uploaded at the web-site of the Conference. The size of the presentation or of the full paper should not be more than 5MB.

Research papers presented at the Conference, after the written expression of interest of their authors, will be reviewed for publication at the PROMITHEASnet Journal titled "Euro-Asian Journal of sustainable energy development policy". More detailed terms will be presented in the next open calls.

Abstracts should be submitted electronically only at: promitheas@kepa.uoa.gr

(Contact person Dr. Popi Konidari)



PROMITHEAS network invites scientists, researchers, PhD candidates and engineers from the academic, scientific, engineering and industrial sectors to participate and contribute in promoting and disseminating scientific knowledge. Participants are welcomed to submit abstracts relevant to the following themes/ topics or to combinations of them:

A. Energy Policy

General topics

- Energy supply and geopolitics
- Strategic energy planning
- Energy interconnections
- Transcontinental energy corridors
- Environmental, social and economic impacts of energy policies and usage
- Analysis and optimization of energy processes
- Energy scenarios, modeling and forecasting
- Energy security and risk assessment
- Energy management systems
- Energy system analysis and modeling
- Decision support systems for energy sector management
- Energy Economics
- Energy and Climate Change Policy in Asia *

These general topics concern also the following themes and topics.

A1: Conventional fuels (oil, gas, coal, lignite)

- Reserves estimation technologies and methodologies Exploration – Geological, geochemical and geophysical methods and technologies
- Production and transportation
- Improved recovery
- Socio-economics of reserves exploitation and fossil fuel transportation
- Design, construction and operations of pipelines
- Hydrocarbons maritime and rail transportation

A2: Electricity

- Generation, transmission & distribution planning and protection
- Power systems reliability and security
- Corporate system planning and management

- Market policies, structures and rules
- Market deregulation
- Markets modeling and simulation
- Pricing and transactions
- Optimization Techniques
- Demand and/or Load Management/Forecast
- Plant and equipment operation, maintenance, control and condition monitoring
- Modern technology and computation techniques and applications
- Online Monitoring and Diagnosis
- Distributed Generation, Co-generation
- Power Generation – Conventional and Renewable
- Smart Grid Technologies

A3. Renewable Energy Sources (solar, wind, hydro, geothermal, biomass, tidal wave, hydrogen)

- Obstacles for the promotion of renewable energy
- Competitiveness and cost efficiency
- Renewable energies in rural areas
- Emissions cuts and the promotion of RES
- Vulnerability of RES

A4. Biofuels

- New BioTechnologies
- Policies for promoting the use of biofuels
- Global trading and pricing

* A special session devoted to Far East of Asia is under consideration in cooperation with the National Tsing Hua University (Taiwan)

B. Environmental – Climate Change Policy

General topics

- Environmental protection policies (water, noise, health, pollution, ecosystems, biodiversity)
- Environmental – climate change economics
- Decision support systems
- Comparative analysis of policies

These general topics concern also the following themes and topics.

B1: Climate change

- Climate change forecasting models and simulations
- Assessing climate change policies through models and methods
- Measuring and evaluating climate change impacts (water cycle, forests, ecosystems, biodiversity, land regions, agriculture, health and cultural heritage)

- Mitigation policies (Kyoto protocol mechanisms – ETS, CDM and JI – green markets, post-Kyoto regimes).
- Adaptation policies
- Mitigation and adaptation policy mix (synergies, conflicts)
- Carbon dioxide capture and storage
- Climate change and ozone layer depletion

B2: Energy efficiency and conservation

- Energy conservation measures and their implementation
- Optimal use of energy resources
- Mathematical models
- Techniques and technologies for energy consumption measuring and monitoring
- Optimization of day lighting and artificial lighting (green lighting)
- Energy networks and decentralized production (heat and electricity)

Important dates

Deadlines for the 2nd open call

Deadline for the submission of abstracts:	11 June 2012
Notification of acceptance:	9 July 2012
Deadline for submission of full paper:	6 August 2012

Scientific Committee

An International Scientific Committee with members from Greece, EU, BSEC and Central Asia countries will ensure the quality of the Scientific Sessions.

Prof. Perikles BOURKAS, National Technical University of Athens, Greece

Prof. Mihail CHIORSAC, Academy of Sciences of Moldova, Moldova

Prof. Evangelos DIALYNAS, National Technical University of Athens, Greece

Prof. Dias HARALAMPOPOULOS, University of the Aegean, Greece

Prof. Alexander ILYINSKY, Finance Academy, Russia

Prof. Evgenij INSHEKOV, National Technical University of Kiev, Ukraine

Prof. Sergey INYUTIN, University Turan-Astana, Kazakhstan

Prof. Dejan IVEZIC, University of Belgrade, Serbia

Prof. Jorgaq KACANI, Polytechnic University of Tirana, Albania

Prof. Georgios KALLOS, National and Kapodistrian University of Athens, Greece

Prof. Nikola KALOYANOV, Technical University of Sofia, Bulgaria

Prof. Konstantinos KARAGIANNPOULOS, National Technical University of Athens, Greece

Prof. Andonaq LAMANI, Polytechnic University of Tirana, Albania

Prof. Eden MAMUT, "Ovidius" University of Constantza, Romania

Prof. Dimitrios MAVRAKIS, National and Kapodistrian University of Athens, Greece

Prof. Ioannis MAZIS, National and Kapodistrian University of Athens, Greece

Prof. Haji MELIKOV, National Academy of Sciences, Azerbaijan

Prof. Nikitas NIKITAKOS, University of the Aegean, Greece Prof. Agis PAPADOPOULOS, Aristotle University of Thessaloniki, Greece

Prof. Anca POPESCU, Institute for Studies and Power Engineering, Romania

Prof. Alvina REIHAN, Tallin University, Estonia

Prof. Arthur PRAKHOVNIK, National Technical University of Kiev, Ukraine

Prof. Elmira RAMAZANOVA, National Academy of Sciences, Azerbaijan

Prof. Milton A. TYPAS, National and Kapodistrian University of Athens, Greece

For registration to the conference it is necessary to complete the Registration Form and send it to NKUA-KEPA, by 28 September, 2012.

- ❖ the registration fee amounts to **300 €**.

Special registration fees will apply for the following cases:

- ❖ **220 €** for PhD students.
- ❖ **220 €** for scientists of the PROMITHEAS Net members.
- ❖ **100 €** for accompanying persons (others than the co-authors).
- ❖ **50 €** for each additional contribution. Each accepted abstract is presented by the registered author. In case of multiple presentations by only one registered author the additional contribution fee will be paid.

Registration fee includes printed material, coffee breaks, two lunches and two dinners.

Payments and Cancellations

Payment can be made either by direct payment of the whole amount to the NKUA – Special Account for Research Grants’ account at EMPORIKI Bank or by 50% of the amount to the aforementioned account and the remaining amount by cash upon registration during the Conference. The payment should be sent to the following account:

EMPORIKI BANK

IBAN: GR050 120 554 00000 000 81706 531

Swift/BIC: EMPOGRAA

Beneficiary: NKUA/SARG *Payment through credit cards is not acceptable.* Upon registration, the organizers will issue an official receipt to the participant. Cancellations are accepted up to, and no later than 7 September 2012, with a full refund of the payment made. In the case of cancellation after this date, a 50% refund of registration fees will be made, while for cancellations after 14 September 2012 there will be no refund.

Participants should send the registration form along with the copy of the bank receipt for the payment otherwise their registration will not be considered as complete. The Conference material will be available only for those registered. The registration form can be downloaded from the web-site. Participants are kindly requested to write on the bank receipt as payment explanation “PROMITHEAS- 5th International Conference”.

For payment through the participant’s institution, company or organization and the issuance of the relevant invoice, the participant should contact the organizers and settle this issue **before the event**. Participants will provide the necessary data so as the organizers issue the invoice before or during the Conference.

Registration

Visa

Participants that need the issuance of a visa to travel to Greece are kindly requested to contact the organizers in time (at least one month before the event) and settle this issue. The organizers will facilitate them by sending the relevant invitation to the pertinent Greek consulate after the completion of the registration procedure.

Further information

For previous events and for the 5th International Scientific Conference “Energy and Climate Change” – <http://www.promitheasnet.kepa.uoa.gr>