

5th International Scientific Conference

Energy and Climate Change

1st open call

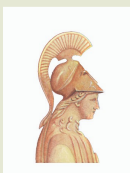


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**11 – 12 October 2012
Athens, Greece**

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 History

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.

The Conference

This year the 5th International Scientific Conference titled “**Energy and Climate Change**” of the PROMITHEASnet will take place at the premises of NKUA on **October 11-12, 2012** in Athens, Greece.

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.

Organization

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

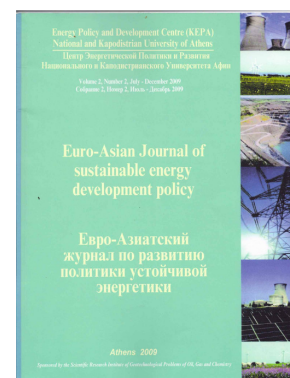
The Conference Language is **English**. Intending contributors should submit initially **only abstracts**. Electronic submission (in MS Word format) through e-mail is strongly recommended. Abstracts will be reviewed by the Scientific Committee before their acceptance for presentation.

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 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 texts that were presented during the Conference. Authors should submit their 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 are welcome for submission and peer-view for publication at the PROMITHEASnet Journal titled "Euro-Asian Journal of sustainable energy development policy".



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 welcome 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

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

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 1st open call

Deadline for the submission of abstracts:	14 March 2012
Notification of acceptance:	11 April 2012
Deadline for submission of full paper:	16 May 2012

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