



9th International Scientific Conference

Energy and Climate Change

3rd open call



**12-13-14 October 2016
Athens, Greece**

Organized by
Energy Policy and Development Centre (KEPA)
of the National and Kapodistrian University of Athens

Coordinator of

BSEC - Green Energy Network

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



Media sponsors

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|---|---|
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">The Conference</p> | <p>The 9th International Conference on “Energy and Climate Change” will take place at the premises of the Energy Policy and Development Centre (KEPA) of the National and Kapodistrian University of Athens – NKUA on 12-14 October 2016, in Athens, Greece and is set under the auspices of the Black Sea Economic Cooperation Organization (BSEC).</p> <p>This year the Conference aims to contribute in increasing the world momentum for developing and implementing converging deep decarbonization pathways in the content of the COP 21 in Paris, December 2015.</p> <p>Based on the existing state of climate change policies of the BSEC countries, the Conference aims to bring together scientists, policy and decision makers and market stakeholders and facilitate the knowledge transfer on these critical issues related with the regional economic cooperation (Article 4, paragraph 18 of the Paris Agreement).</p> <p>The Conference is divided into three (3) main parts. The first is devoted to the policy dialogue and apart from distinguished scientists, high level officials from the Permanent International Secretariat (PERMIS), the Business Council (BSEC-BC) and the Parliamentary Assembly of BSEC (PABSEC) will be invited to contribute. In addition, national representatives, members of the relevant BSEC Working Groups will be also invited to present their policies and activities related to Climate Change, as well.</p> <p>A special session on “Green Energy Investments” is planned for the first day. Market stakeholders, bank officials, policy makers and academics will discuss on current trends and emerging investment opportunities.</p> <p>The second day is devoted to peer – viewed presentations and discussions, as in all previous years.</p> <p>Finally, the third is shaped as a “<i>Brokerage session</i>” that will bring together mainly scientists, policy makers and market stakeholders with the aim to facilitate them to present their activities (projects and programs), discuss about funding opportunities, especially in the context of Horizon 2020 calls and finally to increase the cross-interaction on innovative ideas and cooperation on common importance topics.</p> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">The History</p> | <p>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.</p> <p>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”, the “BSEC-Green Energy Network” and set under the auspices of the BSEC organization.</p> <p>This year members of the “BSEC Green Energy Network” consisted of Centres and national administrative bodies and/or organizations mandated to promote RES and energy efficiency measures and policies are expected to participate in its works.</p> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Organization</p> | <p>The Energy Policy and Development Centre (KEPA), coordinator of the “PROMITHEAS Network” and the “BSEC-Green Energy Network”, is an academic research institute (within the National and Kapodistrian University of Athens). The PROMITHEAS Network includes members from sixteen (16) countries of S.E. Europe, Black Sea, Caspian Sea and Central Asia. KEPA is a member of the United Nations Academic Impact (UNAI) since December 2011.</p> <p>The “BSEC-Green Energy Network” that functions under the supervision of the BSEC – PERMIS receives members not only from the BSEC member states but also from the BSEC Observers and Sectoral Dialogue Partners, as well.</p> <p>The activities of KEPA although cover a wide range of topics, starting from energy geopolitics, regional energy markets, the promotion of energy investments and trade, during the last years they are focused on Climate Change with emphasis on knowledge transfer and capacity building for the development of low carbon policy mixtures among the countries of S.E. Europe, Black and Caspian Seas and Central Asia.</p> |

During the last three years KEPA has expanded its relations to partners from Asia Pacific, Mediterranean and Africa.

The contact details of KEPA are the following:

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

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

Fees

Each participant fills in and sends by e-mail the Registration Form and the relevant documents to NKUA-KEPA (more details on the Registration Form).

| Category | Early registration (Before 8th July 2016) | Late registration (After 8th July 2016) |
|--|---|---|
| Participants | 450 € | 500 € |
| PhD students | 250 € | 300 € |
| Members of PROMITHEASnet and BSEC Green Energy Network | 350 € | 400 € |
| Accompanying persons (others than the co-authors) | 100 € | 100 € |
| Each additional contribution* | 50 € | 50 € |

*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.

The registration fee for the participants includes: Admission to all sessions, Conference material, coffee breaks during the Conference, welcome dinner, review of abstract and full paper, presentation and publication in the Conference proceedings, social events if organized.

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 Alpha 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:

Name: Special Account for Research Grants of the National and Kapodistrian University of Athens

Bank: Alpha Bank

Branch: Korai 554

Address: Korai 1 & Stadiou str., 105 64 Athens Greece

Account No: 80 200 200 1000 227

IBAN: GR03 0140 8020 8020 0200 1000 227

BIC: CRBAGRAA

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 9 September 2016, 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 16 September 2016 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- 9th 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.

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.

The Conference Language is **English**. For the **Scientific and the Brokerage parts** intending contributors should submit initially **only abstracts**. Electronic submission (in MS Word format) through e-mail is strongly recommended.

Abstracts (for the scientific part) 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 five (5) scientific bibliographic references. Abstracts that do not fulfill the technical requirements will not be forwarded for review. Abstracts will be reviewed by the Scientific Committee before acceptance for presentation. 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. An author whose abstract is accepted and intends to present that work is kindly requested to **register the latest before September 9th, 2016**.



The book of abstracts (abstracts that are accepted and whose author has registered) will be published and distributed with the Conference Program. The Conference Proceedings (ISSN number provided for hardcopy and electronic version) will include the material that was presented during the Conference. Upon registration authors agree that their presentation will be included in the Conference proceedings. Authors should submit the full paper once informed that their abstract is accepted and are provided with the necessary guidelines. 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”. The submitted paper is required to be a more detailed and elaborated version of the full paper included in the Conference Proceedings.

Abstracts should be submitted electronically only at: promitheas@kepa.uoa.gr
- (Contact person Dr. Popi KONIDARI)

Abstracts (for the brokerage part) should be approximately 250 words in length and should concern presentation of: i) already funded projects and their outcomes; ii) projects that are still on going or just completed; iii) proposals for research and innovation under Horizon 2020 or any other funding scheme. The topics need to fall within those of the presented themes. No bibliographic references are required.

After acceptance of the abstract authors will prepare a two-page informative document about their project/proposal. The template is available at the web-site of the event. Expression of interest for cooperation, after completion of the registration, can be disseminated through the PROMITHEAS newsletter, if received before the end of July 2016.

Abstracts should be submitted electronically only at: promitheas@kepa.uoa.gr
- (Contact person Aiki-Nefeli MAVRAKI, M.Sc.)

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. Policy issues

A.1: Environmental – Climate Change Policy

- Environmental protection policies (water, noise, health, pollution, ecosystems, biodiversity)
- Environmental – climate change economics
- Comparative analysis of policies
- 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, cultural heritage)
- Mitigation policies (FVA, NAMA, ETS, MRV).
- Adaptation policies
- Mitigation and adaptation policy mix (synergies, conflicts)
- Carbon markets
- Sustainable development and climate change policies
- Vulnerability to climate change
- Carbon dioxide capture and storage technologies
- Climate change and ozone layer depletion
- Water resources and climate change

A.2: Energy

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

These general topics concern also the following themes and topics.

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

B.1: RES

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

B.2: Biofuels and Bioenergy

- Biofuel standards
- Biofuels and energy security
- New BioTechnologies
- Policies for promoting the use of biofuels
- Global trading and pricing
- Bioenergy markets

C: Energy efficiency and conservation

- 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)
- Nearly zero energy buildings
- Low carbon energy infrastructure
- Low carbon transportation

D: Electricity

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

- Pricing Market deregulation
- Markets modeling and simulation 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

E: 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
- Clean Coal Technology

Deadlines for the 3rd open call

- Deadline for the submission of abstracts: 1 August 2016
 Notification of acceptance: 22 August 2016
 Deadline for submission of full paper: 26 September 2016

(for Scientific and Brokerage parts)

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

Prof. Miroljub ADZIC, University of Belgrade, Serbia

Prof. Gulden Gokcen AKKURT, Izmir Institute of Technology, Turkey

Prof. Mihail CHIORSAC, Technical University of Moldova, Moldova

Prof. Edoardo CROCI, Bocconi University, Italy
Prof. Evangelos DIALYNAS, National Technical University of Athens, Greece
Prof. Olga EFIMOVA, Finance University under the Government of Russian Federation, Russian Federation
Prof. Chien-Te FAN, National Tsing Hua University, Taiwan
Prof. Anton Ming-Zhi GAO, National Tsing Hua University, Taiwan
Prof. Kyriacos GEORGHIU, National and Kapodistrian University of Athens, Greece
Prof. Rajat GUPTA, Oxford Brookes University, United Kingdom
Prof. Peter GROUMPOS, University of Patras, Greece
Prof. George HALKOS, University of Thessali, Greece
Prof. Alexander ILYINSKY, Financial University, Russia
Prof. Evgenij INSHEKOV, National Technical University of Kiev, Ukraine
Prof. Dejan IVEZIC, University of Belgrade, Serbia
Prof. Thor Oyvind JENSEN, University of Bergen, Norway
Prof. Jorgaq KACANI, Polytechnic University of Tirana, Albania
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. Haji MALIKOV, National Academy of Sciences, Azerbaijan
Prof. Kenichi MATSUMOTO, Nagasaki University, Japan
Prof. Dimitrios MAVRAKIS, National and Kapodistrian University of Athens, Greece
Prof. Nikitas NIKITAKOS, University of the Aegean, Greece
Prof. Agis PAPADOPOULOS, Aristotle University of Thessaloniki, Greece
Prof. Katherine PAPPAS, National and Kapodistrian University of Athens, Greece
Prof. Anastassios POURIS, University of Pretoria, South Africa
Prof. Elmira RAMAZANOVA, National Academy of Sciences, Azerbaijan
Prof. Alvina REIHAN, Tallin University, Estonia
Prof. Hatice SOZER, Istanbul Technical University, Turkey
Prof. Milton A. TYPAS, National and Kapodistrian University of Athens, Greece
Prof. Krzysztof WARMUZINSKI, Polish Academy of Sciences, Poland
Prof. Essia ZNOUDA, Université de Tunis El Manar, Tunisia

Each participant will have to handle his/her booking and pay directly to the hotel, indicating on the registration form the hotel he/she will select.

The following list includes recommended hotels. Participants should mention «PROMITHEAS Conference, Energy and Climate Change Policy» when booking. Please look at the “Guide of Athens” on the website to see the location of each hotel.

ATHINAIS

(Tel. : +30- 210-6431133, fax: +30-210-6461682, e-mail: info@athinaishotel.gr, <http://www.athinaishotel.gr>)

Room type rates

Single room per night including breakfast, taxes etc. 62€

Double room per night including breakfast, taxes etc. 70€

Delice Hotel & Apartments

(Tel.: +30 210 7238311/313, fax: +30 210 7238314, e-mail: info@delice.gr,
http://www.delice.gr)

Room type rates

Single room per night including breakfast, taxes etc. 60€

Double room per night including breakfast, taxes etc. 70€

Apartment with two beds per night including breakfast, taxes etc, 85€

Apartment with three beds per night including breakfast, taxes etc, 100€

Apartment with four beds per night including breakfast, taxes etc, 110€

Apartment with six beds (two single beds in each of the two bedrooms and two single beds in the living room) per night including breakfast, taxes etc, 135€

Best Western Ilisia Hotel

(Tel. : +302107244051, fax : +302107241847, e-mail: ilisia@ath.forthnet.gr,
http://www.ilisiahotel.gr)

Room type rates

Single room per night including breakfast, taxes etc. 80€

Double room per night including breakfast, taxes etc. 90€

Holiday Suites

(Tel. : +30 210 727-8690, fax : +30 210 727-8696, e-mail : info@holiday-suites.com,
http://www.holiday-suites.com/)

Room type rates

Single room per night including European buffet breakfast, taxes etc. 85€

Double room per night including European buffet breakfast, taxes etc. 95€

(If taxes change rates will be adjusted accordingly)

For previous events and for the 9th International Scientific Conference “Energy and Climate Change” – <http://www.promitheasnet.kepa.uoa.gr>

For information about the 9th International Scientific Conference “Energy and Climate Change” - <https://promitheasnet.wordpress.com/> and <http://www.uoa.gr/anakoinoseis-kai-ekdhloseis/ekdhloseis-hmerides-synedria/proboli-ekdilwshs/9o-die8nes-episthmoniko-synedrio-gia-thn-energeia-kai-thn-klimatiki-allagi.html>





Title



Title. Name SURNAME ¹

Position in institute

Title. Name SURNAME

Position in institute

¹ *Contact details of corresponding author*

Tel: +

Fax: +

e-mail:

Address:

Abstract

This is a sample page for the format of abstract as, published in the book of abstracts which is disseminated during the Conference. An abstract of up to 250 words outlining the aims, scope and conclusions of the paper must be supplied. The abstract must be typed in Times New Roman Font size 10pt.

More specifically the authors need to include in the abstract the scientific contribution of the proposed presentation, the used methodology/approach and expected outcomes. Authors should include at the end of the abstract up to five (5) scientific bibliographic references, those that they consider as most important for writing the full paper in case that the abstract is accepted. Authors need to be cautious in including recent references and in English language. If the reference in another language the authors need to translate it and quote the phrase "Available only in *"name of language"*". Authors are kindly asked to mention if they elaborated their abstract with a software other than Microsoft Office Word.

The authors are kindly requested to indicate their affiliation, contact details and at which of the following themes and topics their work refers to. An author whose abstract is accepted and intends to present that work is kindly requested to register before September 9th, 2016.

References

Reference to a journal publication: *Author A., Author B., Year. "Title of paper". Title of Journal. Issue. No..., p*

Reference to a book: *Author A., Year. "Title of book", Number of edition. Name of Publisher, Place.*

Reference to a study: *Name of organization, Year. "Title of study". (Available internet link)*

Reference to a scientific or official web page: *Name of web-site, Year of access. Title of session in web-site. Name of website, available at: internet link*

Session : ie A2 and B1