

# Newsletter

of PROMITHEAS Net  
on energy and climate change  
policy research issues



## General Info

This bimonthly newsletter of the PROMITHEAS Network is distributed **free of charge** to more than 23,000 recipients in one hundred seventy (170) countries. It includes information about the network activities, its members and events concerning energy and climate change research. Its content reflects the network views. **Sponsorships for its circulation are welcome.**

PROMITHEAS Network, the origin of which is the Project Development Fund of BSEC, aims to promote scientific cooperation on the energy and climate policy issues between the countries of BSEC and EU and thus to contribute in knowledge transfer to that region, as a basic precondition for the development of human potential that will materialize policies of cooperation.



## Messages

### Editorial note

by

Prof. Dimitrios MAVRAKIS  
Coordinator of  
PROMITHEAS Network



Global leaders will meet late this year, in Paris; at the 21<sup>st</sup> Conference of Parties of the United Nations Framework Convention on Climate Change (UNFCCC) with the ambition to conclude to a legal binding document allowing to limit global warming to 2°C even 1.5°C in this century, relative to the pre-industrial period.

Latvia and the European Commission on behalf of the European Union and its 28 Member States in their Intended Nationally Determined Contribution (INDC), submitted to UNFCCC on the 6<sup>th</sup> of March 2015, express their commitment for a 40% domestic reduction in emissions for the period 2021 – 2030 compared to 1990.

This ambitious target is described in the "Framework Strategy for Resilient Energy Union with a Forward-Looking Climate Change Policy" in which it is stated that the European Council in October 2014 set an indicative target at the EU level of at least 27% improving the energy efficiency in 2030 while this target will be reviewed by 2020, having in mind an increase of up to 30%.

To achieve these targets the EU has to formulate long-term strategies capable: i) to understand the growing role of energy efficiency in local, national and European level; ii) to analyze Energy Efficiency as the complex issue that is spanning different disciplines including engineering and social sciences; iii) to facilitate the policy makers in understanding better not only the macroecono-

### Project HERON no. 649690

Project title: "Forward looking socio-economic research on energy Efficiency in EU countries."

Call identifier: H2020-EE-2014-2-RIA

Duration: 26 months (Start 1<sup>st</sup> May 2015)

Aim: HERON aims to facilitate policy makers of multi-level governance in EU, to develop and monitor energy efficiency policies in building and transport sectors, to the horizon of 2030 and beyond, through forward-looking socio-economic research in seven EU (Greece, Italy, Bulgaria, United Kingdom, Belgium, Germany, and Estonia) and one candidate (Serbia) countries in diverse contexts and at different stages of development.



Innovation: The innovative core element of HERON is the incorporation of non-economic and non-market elements, such as social, educational and cultural, into energy modeling for reflecting the end-user behavior towards energy efficiency in buildings and transport.

Expected impact: Through a well-designed policy dialogue HERON is expected to empower policy makers

### Invitation

*If you are established in one of the member states of the Black Sea Economic Cooperation Organization and you are engaged in Energy Efficiency and Renewable Energy Sources, join us in the "BSEC-Green Energy Network" and benefit from it. Contact: [epgsec@kepa.uoa.gr](mailto:epgsec@kepa.uoa.gr)*

## New

mic impacts of energy efficiency, but also at the microeconomic level, the evolution of energy efficiency, the influence of consumer behavior, the influence of institutional factors, and the implications of trends in society and technologies.

Socioeconomic research on energy efficiency can provide the necessary means to confront these challenges and to this aim contributes the HERON (no. 649690), a H2020 financed project that is presented in the next column.

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providing them with an innovative policy tool and allowing them to select the most effective policy instruments for energy efficiency, to the horizon of 2030 and beyond.

The work plan: To fulfill this aim the consortium has developed an ambitious work plan based on the strong interaction and cooperation among the various work packages and scientists.

In a sequence of interrelated tasks the consortium, as a first step, will map the Energy Efficiency policy instruments and the available technologies for all eight countries in the sectors of buildings and transportation. This work will be carried out by Wuppertal Institute for Climate, Environment and Energy (WI) (GE) under the responsibility of Dr. Ralf SCHULE and his team.

Mapping and assessment of social, economic, cultural and educational barriers in buildings and transport will be carried out by Oxford Brookes University (UK) under the responsibility of Prof. Rajat GUPTA and his team in cooperation with the Centre for Research on energy and Environmental Economics and Policy of the Bocconi University (UB-IEFE)(IT) under the responsibility of Prof. Edoardo CROCI and his team.

Prof. Aviel VERBRUGGEN from the University of Antwerp (UA)(BE) will develop an innovative integrated framework (a "tool") to incorporate main drivers and barriers into scenario analysis.

Forward-looking scenario analysis, focusing on macroeconomic and microeconomic impacts of energy efficiency policy options is the responsibility of Dr. Tiit KALLASTE and his team from the Estonian Institute for Sustainable Development of the Stockholm Environment Institute of Talin Centre (SEI T)(ES) who will develop and run the necessary scenarios incorporating the end users behavior in a long range perspective up to 2030 and beyond with the use of the Long Range Energy Alternatives Planning System (LEAP).

Prof. Dimitrios MAVRAKIS and his team from the Energy Policy and Development Center (KEPA) of the National and Kapodistrian University of Athens (UoA)(HL) will initiate and coordinate the policy dialogue in the various levels of decision making with policy recommendations through multi criteria evaluation and feedback mechanisms with policy makers and market stakeholders.

Finally Dr. Lulin RADULOV and his team from the Black Sea Energy Research Centre (BU) will be responsible for the Dissemination and Communication activities that will be deployed during the whole period of HERON's execution.

In conclusion through HERON non-economic and non-market elements, such as social, educational and cultural, will be incorporated with economic and technological elements into energy scenarios development and modeling reflecting the end-user

behavior towards energy efficiency in building and transport sectors for seven EU member states and one EU candidate country in a forward-looking research with a long term horizon up to 2030 and beyond. The outcomes of the project will empower policy makers and market players by providing them with an innovative policy tool allowing them to select and implement the most effective policy instruments for energy efficiency

### Kick – off meeting

The Kick-off meeting took place on 18<sup>th</sup> June 2015 at the KEPA premises in Athens. Members of the Steering Committee from UoA-KEPA, WI, OBU, UA, SEI T, BSERC, UB-IEFE and UB-FMG attended the meeting.

Representatives of the Parliamentary Assembly of the Black Sea Economic Cooperation (PABSEC), the Permanent International Secretariat (PERMIS) of the Black Sea Economic Cooperation organization (BSEC), the Ambassador of Estonia, representatives from the embassies of Bulgaria, Germany, Serbia, South Korea and the Diplomatic Mission of Taiwan attended the meeting as well.

The meeting was also attended by market stakeholders relevant to the project's aims and by additional representatives of the participating institutions.

The morning session was chaired by Prof. Edoardo CROCI (UB-IEFE) and Prof. Dimitrios MAVRAKIS (UoA-KEPA). Prof. D. MAVRAKIS welcomed the participants and presented in short the objectives and the expected outcomes of HERON.

Following, opening remarks were made by Dr. Edouard PANOIAN, Executive Manager of the (BSEC-PERMISS), Dr. Miltiadis MAKRYGIANNIS, Deputy Secretary General of the Parliamentary Assembly of BSEC organization (PABSEC) and Amb. Margus RAVA, Ambassador of Estonia in the Hellenic Republic.

Dr. Edouard PANOIAN referred to the role of UoA-KEPA as a coordinator of the Green Energy Network and how this could enhance the dissemination and communication of HERON results to the area of Black Sea and Central Asia. In addition, he underlined the significance of the project's impact to this area in correlation with the fact that three out of eight participating to the project countries are members of the BSEC as well.

Dr. M. MAKRYGIANNIS expressed his gratitude for the coordinator's efforts to maintain active and strong the cooperation between PABSEC and the Energy Policy and Development Center (UoA-KEPA).

He emphasized the importance of the national parliaments' role in order to take leadership in promoting deeper understanding of global climate change issues, to mobilize civil society with a view to avert dangerous human interferences in the climate system and, to forge the laws, guidelines, frameworks and incentives that will allow efficient implementation of national and international engagement on the challenge of global climate change.

Amb. M. RAVA (Estonia) welcomed the HERON consortium and the kick-off meeting audience and he presented his experience as a high level policy maker on previous projects with relevant thematic and their impact on the Estonian market and society.

**Armenia:** The sessions of the Subsidiary Body for Implementation (SBI 42), the Subsidiary Body for Scientific and Technological Advice (SBSTA 42), and the June session of the Ad Hoc Working Group on the Durban Platform for Enhanced Action (ADP2-9) were held during 1-11 June 2015 in Bonn, Germany.

During the side event that was - devoted to the latest submissions of national communications from non-Annex I Parties - organized by the UNFCCC secretariat, Diana HARUTYUYAN, UNDP Climate Change Program Coordinator, presented Armenia's Third National Communication, which was submitted to UNFCCC Secretariat in April 2015.

(Climate Change Information Center of Armenia, 11-6-2015) – Details at: <http://www.nature-ic.am/side-event-in-bonn-on-armenias-third-national-communication/>

**EU:** Twenty-four mayors and representatives of local authorities from six countries - Morocco, Algeria, Tunisia, Lebanon, Palestine and Israel - in the south Mediterranean region signed up to the Covenant of Mayors initiative, committing to help reduce greenhouse gas emissions. The mayors and representatives took part in a signing ceremony organised by the European Commission and the EU project Cleaner Energy Saving Mediterranean Cities (CES-MED) held in Skhirat, Morocco.

(DG Climate Action, 7-5-2015) – Details at: [http://ec.europa.eu/clima/news/articles/news\\_2015050701\\_en.htm](http://ec.europa.eu/clima/news/articles/news_2015050701_en.htm)

The European Environment Agency (EEA) published technical report No. 5/2015, titled 'Overview of climate change adaptation platforms in Europe,' which reviews the state of play of most adaptation platforms in Europe.

(EEA, 12-5-2015) – Details at: <http://www.eea.europa.eu/highlights/sharing-knowledge-on-climate-change-adaptation>

The European Commission launched a new 'Smart Specialisation Platform on Energy' (S3P-ENERGY) at a high-level conference in Brussels, Belgium, on 26 May 2015, designed to help European regions and EU member States to make full use of EU funds earmarked for sustainable energy under the EU's Cohesion Policy.

(DG Energy, 26-5-2015) – Details at: <http://ec.europa.eu/energy/en/news/commission-launching-smart-specialisation-platform-energy> and <http://s3platform.jrc.ec.europa.eu/s3p-energy>

The European Commission published the progress report on 2020 renewable energy targets, showing that EU is on track to meet its targets. With a projected share of 15.3% of renewable energy in 2014 in the gross final energy consumption, the EU and the vast majority of Member States are advancing well: 25 Member States are expected to meet their 2013/2014 national targets.

(DG Energy, 16-6-2015) – Details at: [http://europa.eu/rapid/press-release\\_IP-15-5180\\_en.htm](http://europa.eu/rapid/press-release_IP-15-5180_en.htm) and [http://eur-lex.europa.eu/resource.html?uri=cellar:4f8722ce-1347-11e5-8817-01aa75ed71a1.0001.02/DOC\\_1&format=PDF](http://eur-lex.europa.eu/resource.html?uri=cellar:4f8722ce-1347-11e5-8817-01aa75ed71a1.0001.02/DOC_1&format=PDF)

The European Commission is referring Greece to the EU Court of Justice for failing to transpose the Energy Efficiency Directive. Under this directive EU Member States must meet certain energy savings targets from 1 January 2014 to 31 December 2020.

The European Commission requested Germany to ensure the full transposition of the Energy Efficiency Directive. Germany has now two months to comply with this obligation, following that the Commission may decide to refer it to the EU Court of Justice and ask for financial penalties.

(DG Energy, 18-6-2015) – Details at: [http://europa.eu/rapid/press-release\\_IP-15-5196\\_en.htm](http://europa.eu/rapid/press-release_IP-15-5196_en.htm)

The EEA released also the publication "EEA Signals 2015 - Living in a changing climate".

(EEA, 30-6-2015) – Details at: <http://www.eea.europa.eu/publications/signals-2015>

The European Wind Energy Association released two reports, the "EWEA Annual Report 2013-Building a stable future" and the "Saving water with wind energy".

(EWEA, June 2015) – Details at: <http://www.ewea.org/publications/reports/ewea-annual-report-2013/> and <http://www.ewea.org/publications/reports/saving-water-with-wind-energy/>

**International:** The International Energy Agency (IEA) released the report 'Tracking Clean Energy Progress 2015 (TCEP 2015),' which examines progress in the development and deployment of key clean energy technologies and concludes that the rate of growth has slowed and is no longer on track to meet the 2°C Scenario set out in the IEA's 'Energy Technology Perspectives 2015 (ETP 2015)' report.

(IEA, 27-5-2015) – Details at: <http://www.iea.org/newsroomandevents/news/2015/may/clean-energy-progress-falling-short-of-climate-goals.html> and [http://www.iea.org/publications/freepublications/publication/Tracking\\_Clean\\_Energy\\_Progress\\_2015.pdf](http://www.iea.org/publications/freepublications/publication/Tracking_Clean_Energy_Progress_2015.pdf)

The Secretariats of the Organisation for Economic Co-operation and Development (OECD) and the IEA released two papers, 'Strategic Review: Implications of Proposals to Date for Mitigation Contributions' and 'Assessing Options to Increase Climate Support'.

(OECD, May 2015) – Details at: <http://www.oecd.org/env/cc/ccxg.htm>, [http://www.oecd.org/environment/cc/Final\\_CCXG\\_website\\_WP\(2015\)2.pdf](http://www.oecd.org/environment/cc/Final_CCXG_website_WP(2015)2.pdf) and [http://www.oecd.org/environment/cc/Final\\_CCXG\\_website\\_WP\(2015\)3.pdf](http://www.oecd.org/environment/cc/Final_CCXG_website_WP(2015)3.pdf)

The World Energy Council released the publication "World Energy Trilemma 2015: Priority actions on climate change and how to balance the trilemma" and the "World Energy Resources Report 2015: Charting the Upsurge in Hydropower Development".

(WEC, May 2015) – Details at: <http://www.worldenergy.org/publications/2015/world-energy-trilemma-2015-priority-actions-on-climate-change-and-how-to-balance-the-trilemma/> and <http://www.worldenergy.org/publications/2015/2015-hydropower-status/>

Released on 18 June 2015 by the Renewable Energy Policy Network for the 21st Century (REN21) at the Vienna Energy Forum, the 10th edition of the Status Report tracks renewable energy capacity additions, policies and investments in 2014. According to the report, total installed capacity of renewable energy power reached 1,712 gigawatts (GW), an 8.5% increase over 2013. At the close of 2014, renewables claimed a 27.7% estimated share of global power generating capacity, which is sufficient to supply approximately 22.8% of global electricity demand, as stated in the report.

(REN21, 18-6-2015) – Details at: <http://www.ren21.net/status-of-renewables/global-status-report/> and [http://www.ren21.net/wp-content/uploads/2015/06/REN12-GSR2015\\_Onlinebook\\_low1.pdf](http://www.ren21.net/wp-content/uploads/2015/06/REN12-GSR2015_Onlinebook_low1.pdf)

The International Renewable Energy Agency (IRENA) released the publication "Renewable Energy Capacity Statistics 2015".

(IRENA, June 2015) – Details at: <http://www.irena.org/menu/index.aspx?mnu=Subcat&PriMenuID=36&CatID=141&SubcatID=604>



## July

**International Conference on Coastal Cities and their Sustainable Future**, 7-9 July 2015, New Forest, UK, <http://www.wessex.ac.uk/15-conferences/coastal-cities-2015.html>

**Our Common Future under Climate Change, International Scientific Conference**, 7-10 July 2015, Paris-France, <http://www.commonfuture-paris2015.org/>

**Climate and Sustainable Energy Finance Summer Academy 2015**, 19-24 July 2015, FS-UNEP Collaborating Centre for Climate and Sustainable Energy Finance, Frankfurt – Germany, <http://fs-unep-centre.org/events/climate-sustainable-energy-finance-summer-academy-0>

**7th International Forum for Sustainable Asia and the Pacific**, 28–29 July 2015, Yokohama, Japan, <http://unu.edu/events/upcoming/7th-international-forum-for-sustainable-asia-and-the-pacific.html#overview>

## August

**Joint Parallel Event at EU PVSEC 2015 for Solar PV**, 16 August 2015, Hamburg, Germany, <http://www.irena.org/menu/index.aspx?mnu=cat&PriMenuID=30&CatID=142>

**World Water Week 2015**, 23-28 August 2015, City Conference Centre, Stockholm, Sweden, <http://www.worldwaterweek.org/>

**SER 2015 – Towards Resilient Ecosystems: Restoring the Urban, the Rural and the Wild**, 23-27 August 2015,

Manchester, England <http://www.ser.org/events/events-detail-view/ser2015-6th-world-conference-on-ecological-restoration>

## September

**World Symposium on Climate Change Adaption (WSCCA-2015)**, 2-4 September 2015, Manchester, United Kingdom, <http://www.haw-hamburg.de/en/wscqa-2015/>

**6th International Conference on Energy and Sustainability**, 2-4 September 2015, Medellin, Colombia, <http://www.wessex.ac.uk/15-conferences/energy-and-sustainability-2015.html>

**Information day on the Horizon 2020 work programme 2016-2017 'Secure, Clean and Efficient Energy'**, 14-15 September 2015, Brussels, Belgium, <http://ec.europa.eu/energy/en/events/information-day-horizon-2020-work-programme-2016-2017-%E2%80%98secure-clean-and-efficient-energy%E2%80%99>

**Sustainable Places**, 16-18 September 2015, Savona, Italy, <http://sustainable-places.eu/>

**European Mobility Week 2015**, 16-22 September 2015, <http://www.mobilityweek.eu/home/>

**SET Plan conference 2015**, 21-22 September 2015, European Convention Centre Luxembourg Hemicycle building, Luxembourg, <http://ec.europa.eu/energy/en/events/set-plan-conference-2015>

**International Renewable Energy Agency (IRENA) Internship Programme.** Deadline: **Open.** Details at: [http://www.irena.org/Jobs/Internship\\_desc.aspx?JobID=33&PriMenuID=13&CatID=58&SubCatID=0&mnu=Pri](http://www.irena.org/Jobs/Internship_desc.aspx?JobID=33&PriMenuID=13&CatID=58&SubCatID=0&mnu=Pri)

**UNFCCC's Internship Programme**, Deadline: Generally around 2 months before the start of the internship period. Mid-October; deadline for Spring internships (mid-January to mid-March). Mid-March; deadline for Summer internships (early June to early August). Mid-June; deadline for Fall internships (mid-September to mid November). Details at: [https://unfccc.int/secretariat/internship\\_programme/items/2653.php](https://unfccc.int/secretariat/internship_programme/items/2653.php)

**McKinsey&Company**, Position: Electric Power/Utilities (Junior) Research Analyst – EEMA – Moscow. Deadline: **Not mentioned.** Details at: [https://mckinsey.secure.force.com/EP/job\\_details?jid=a0xA000006nyvRIAQ](https://mckinsey.secure.force.com/EP/job_details?jid=a0xA000006nyvRIAQ)

**New Climate Institute**, Position: Researcher / Policy Analyst. Deadline: **Open until filled.** Details at: <http://newclimate.org/job-position-r-1503/>

**Climate Policy Initiative**, Position: Energy Finance Senior Analyst. Deadline: **Not mentioned - until suitable applicant is found.** Details at: <https://climatepolicy.bamboohr.com/jobs/view.php?id=7>

**Stockholm Environment Institute**, Position: Modeller and Researcher: Energy and Climate. Deadline: **Ongoing.** Details at: <http://www.sei-international.org/working-for-sei/current-recruitments/3004>

**World Bank**, Position: Operations Officer at the Adaptation Fund. Deadline: **10 August 2015.** Details at: <http://web.worldbank.org/external/default/main?pagePK=8454041&piPK=8454059&theSitePK=8453353&JobNo=151456&order=descending&sortBy=job-req-num&location=WAS&menuPK=8453611&JobType=Professional%20%26%20Technical&JobGrade=GF>

**European Wind Energy Association**, Position: Public Affairs Analyst – Environment & Planning Deadline: **17 August 2015** Details at: <http://www.ewea.org/job-opportunities/>

**Stockholm Environment Institute**, Position: Research fellow, climate, energy and development finance. Deadline: **30 August 2015.** Details at: <http://www.sei-international.org/working-for-sei/current-recruitments/3173>

**International Finance Corporation – World bank Group.** Position: Energy Efficiency Specialist. Deadline: **23 September 2015.** Details at: [http://www.ifc.org/wps/wcm/connect/Careers\\_Ext\\_Content/IFC\\_External\\_Corporate\\_Site/IFC%20Careers/Career%20Opportunities/CareerOpportunityPlaceHolder?JobReqNo=151518](http://www.ifc.org/wps/wcm/connect/Careers_Ext_Content/IFC_External_Corporate_Site/IFC%20Careers/Career%20Opportunities/CareerOpportunityPlaceHolder?JobReqNo=151518)

**University of Geneva, Institute for Environmental Sciences, Energy Group.** Position: Four Vacancies for PhD students Researchers and one vacancy for Senior Research and Teaching Assistant (maître assistant) on energy efficiency improvement in buildings and industry. Deadline: **Open until until qualified candidates have been found.** Details at: [http://www.unige.ch/efficiency/files/5614/2899/0790/Vacancy\\_a\\_nouncement\\_Researcher\\_-\\_Energy\\_Efficiency.pdf](http://www.unige.ch/efficiency/files/5614/2899/0790/Vacancy_a_nouncement_Researcher_-_Energy_Efficiency.pdf)

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