

Newsletter
of PROMITHEAS Net
on energy and climate change
policy research issues



PROMITHEAS
The Energy and
Climate Change
Policy Network
Сеть энергетической
и климатической
политики

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

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Despite all scenarios and global targets concerning global warming, the latest measurements communicated by NASA (GISS), show that during the first six months of 2016, from January to June, the planet has experienced the warmest half-year period, with reference to preindustrial period (1880), with an average increase of 1.3°C.

If this trend persists for the entire 2016, that means that we have entered in an exponential process that changes the initial conditions of the so far scenarios concerning our margins to implement measures to confront Climate Change.

With a 1.3°C real increase even if we could implement measures targeting zero GHG emissions, today, the system's inertia will balance at a level of more than 2°C.

Under the present state of global efforts, as they are described in Paris Agreement (COP21) we are forced to the inevitable levels of 3-4°C well before the middle of current century. Is this acceptable?

The maps of NASA leave no doubt that we are overheating the planet. It seems that we have reached our limits to make decisions for an extremely complicated and menacing challenge.

It is now obvious that the Paris Agreement (COP21) cannot drive humanity to achieve the set global target of 2°C. The bottom up procedure of INDC is obvious that has failed to provide the framework to achieve this target.

In the light of this increase of 1.3°C, it is necessary the UNFCCC to proceed with more efficient measures.

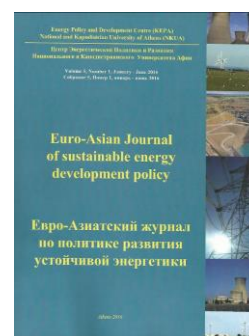
There is a triple challenge related to resource efficiency, sustainable development and climate change. In a globalized economic environment, the global emissions cannot be confronted without a global approach.

The COP22 should address this issue in a more effective way. The New Market Mechanisms, the global implementation of them and the necessary funds allocation from developed to developing and less developed countries should be addressed efficiently as soon as possible. Developed countries should provide to the rest economies the means to participate in this mission and WTO has to play a vital role in this process by reconsidering the terms of trade between developed and less developed countries.

It is not a question of charity for the poor, it is a question of survival for all. The challenge is that the time margins to understand this reality are too short.

PROMITHEAS journal

The new issue of the "Euro-Asian Journal of Sustainable energy development policy" is under press. It contains the following three papers after the completion of the peer-reviewing procedure:



"Germany's path towards a nearly climate-neutral residential building stock: A techno-economic comparison of greenhouse gas mitigation strategies" by Markewitz P., Hensen P., Kuckshinrichs W., Hake J-F. from Forschungszentrum Julich, Germany;

"Energy civilization through industrial modernity and beyond" by Jensen T.O., Shearing C., Skauge T., Persson A.N., from University of Bergen, Norway; and

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: promitheas@kepa.uoa.gr

New

"Investigating urban sustainable energy policies in Europe: Experiences from the Covenant of Mayors" by Croci E., Lucchitta B., Janssens-Maenhout G., Martelli S., Molteni T. from IFEF Bocconi University, Italy.

PROMITHEAS Conference

The Energy Policy and Development Centre of the National and Kapodistrian University of Athens, coordinator of the "PROMITHEAS – The Energy and Climate Change Policy Network" and the "BSEC – Green Energy Network", organizes the 9th International Scientific Conference on "Energy and Climate Change" during 12-14 October 2016 in Athens. The Conference is under the auspices of the Organization Black Sea Economic Cooperation (BSEC) and the United Nations Academic Impact (UNAI). For the opening session officials from UNAI, BSEC, the government, ambassadors and representatives of banks and companies, that are active in green economy issues are invited to speak.

The Conference has three parts: a) on the first day the "**Green Energy Investments Forum**" that aims on discussions about promoting "green" investments (policies, up-front technologies, financial issues, trends and opportunities), b) on the second day the "**Scientific papers**" for the topics of energy and climate change, renewable energy sources, energy efficiency and sustainable development and c) on the third day "**Brokerage event**" for presentation of research projects and exploration of cooperation proposals

under the framework of open calls from Horizon 2020 or other programmes. The language of the Conference is English. Accepted abstracts are uploaded at the website <http://www.promitheasnet.kepa.uoa.gr>. Information at at: <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>.

Media sponsors of the event are:

Ecozen (<http://www.ecozen.gr/>),

European Energy Innovation

(<http://www.europeanenergyinnovation.eu/>) and

Balkan Energy (<http://balkanenergy.com/>)

The European Energy Innovation magazine

European Energy Innovation (EEI) blends information from European institutions, national administrations and the energy industry to highlight the significant energy challenges facing Europe today and the innovative technologies being deployed to meet them. The magazine is distributed **free of charge** by name to over 5000 subscribers in Industry, the European Parliament, the European Commission, National governments and academia.

It is available on line at:

<http://www.europeanenergyinnovation.eu/Digital-Publications>

Armenia: On 12 May 2016, the National Assembly of the Republic of Armenia (RA) adopted the law "*On making additions and amendments to the law "On Energy Saving and Renewable Energy" of the RA*". The adopted additions and amendments envisage promotion of a large-scale introduction of design, construction and operation practices of energy efficient buildings and lighting systems in the country in line with national energy security and environmental policy for climate change mitigation.

(Climate Change Information Center of Armenia, 12-05-2016) – Details at: <http://www.nature-ic.am/newest-legislative-upgrade-for-energy-efficiency/>

On 16 June 2016, the RA Minister of Urban Development signed order #120-N approving RA CN "*Thermal Protection of Buildings*" 24-01-2016. The norm was registered by the Ministry of Justice (code: 1171620) and is in effect starting on June 24, 2016. The document is in line with modern requirements for integrated approach to energy efficiency in buildings allowing flexible design.

(Climate Change Information Center of Armenia, 27-06-2016) – Details at: <http://www.nature-ic.am/thermal-protection-of-buildings-code-adopted/>

Australia: The Department of Environment released the publication "*Modelling and analysis of Australia's abatement opportunities*" and the fact sheet "*The Australian Government's action on climate change*".

(Australian Government – Department of Environment, May 2016) – Details at: <http://www.environment.gov.au/climate-change/publications/modelling-and-analysis-australias-abatement-opportunities>

EU: The Energy Community Secretariat published a special edition of the Energy Community legal framework focused solely on energy efficiency.

(Energy Community, 1-06-2016) – Details at: https://www.energy-community.org/portal/page/portal/ENC_HOME/NEWS/News_Details?p_new_id=12942 and https://www.energy-community.org/portal/page/portal/ENC_HOME/DOCS/4172382/343359B931EF25C0E053C92FA8C0D3CC.pdf

North Seas region countries (Belgium, Denmark, France, Germany, Ireland, Luxembourg, the Netherlands, Norway and Sweden) agreed to further strengthen their energy cooperation. The aim is to create good conditions for the development of offshore wind energy in order to ensure a sustainable, secure and affordable energy supply in the North Seas countries. A political declaration and action plan was signed by nine Ministers and Vice-President for Energy Union Maroš Šefčovič and by Commissioner for Climate Action and Energy Miguel Arias Cañete.

(DG Energy, 2-06-2016) – Details at: http://europa.eu/rapid/press-release_IP-16-2029_en.htm

The European Commission presented a proposal for the European Union to ratify the Paris Agreement, the world's first universal, legally binding deal to tackle climate change. The Commission's proposal comes just weeks after the EU and 174 countries signed the landmark agreement at a ceremony in New York.

(DG Climate Action, 10-06-2016) – Details at: http://ec.europa.eu/clima/news/articles/news_2016061001_en.htm and http://europa.eu/rapid/press-release_IP-16-2067_en.htm

The European Commission is to step up its collaboration with China on emissions trading, with a new 10 million EUR (more than 70 million yuan) cooperation project (financed under the EU Foreign Partnership Instrument).

(DG Climate Action, 28-06-2016) – Details at: http://ec.europa.eu/clima/news/articles/news_2016062801_en.htm

The Energy Community Secretariat published its final monitoring report ahead of the Western Balkan 6 Summit in Paris on 4 July. The report takes stock of the

progress made by the six Contracting Parties of the Energy Community in Southeast Europe (Albania, Bosnia and Herzegovina, Kosovo, FYROM, Montenegro, Serbia) in creating an integrated electricity market in the Western Balkans and beyond.

(Energy Community, 28-06-2016) – Details at: https://www.energy-community.org/portal/page/portal/ENC_HOME/NEWS/News_Details?p_new_id=13082 and https://www.energy-community.org/portal/page/portal/ENC_HOME/DOCS/4212394/36923B5CA647125EE053C92FA8C0B666.pdf

India: The Government of India and the World Bank signed a USD 625 million credit agreement to help support the Government of India's program to generate electricity from widespread installation of rooftop solar photo-voltaic (PV).

(World Bank, 28-06-2016) – Details at: <http://www.worldbank.org/en/news/press-release/2016/06/30/government-india-world-bank-sign-agreement-support-grid-connected-rooftop-solar-program-in-india>

International: The UNFCCC Secretariat released an updated synthesis report outlining the aggregate effect of the intended nationally determined contributions (INDCs) submitted by 189 Parties as of 4 April 2016. The report finds that full implementation of both the conditional and unconditional actions outlined in the INDCs would result in total aggregate global emission levels of 55 (51.4-57.3) Gt carbon dioxide (CO₂)-equivalent (eq) in 2025 and 56.2 (52-59.3) Gt CO₂-eq in 2030. While this emissions trajectory does show an improvement over likely pre-INDC scenarios, it is far from those consistent with the goal of limiting warming to 2°C or 1.5°C above pre-industrial levels.

(UNFCCC Secretariat, 2-05-2016) – Details at: <http://newsroom.unfccc.int/unfccc-newsroom/synthesis-report-update-of-national-climate-plans/>

The World Bank Group auctioned 20 million dollars of climate funds, and this could lead to a reduction of the equivalent of 5.7 million tons of carbon dioxide emissions – or taking 1.2 million passenger vehicles off roads for a year - by 2020. Twenty-one companies took part in a pilot online auction for the right to sell carbon credits, and in order to cash in, the winning 9 firms must reduce methane emissions.

(WB, 13-05-2016) – Details at: <http://www.worldbank.org/en/news/press-release/2016/05/13/pilot-auction-to-help-reduce-57-million-tons-of-emissions-by-2020>

The Norwegian Refugee Council (NRC) launched its annual publication on internal displacement, citing climate change and related natural hazards, such as drought, sea-level rise and desertification, as increasingly important factors causing internal displacement.

(United Nations, 13-05-2016) - Details at: <http://www.un.org/apps/news/story.asp?NewsID=53916#.V4J5-49OKmS> and <http://www.internal-displacement.org/globalreport2016/>

Adaptation Futures 2016, the fourth biennial worldwide conference on climate change adaptation, advanced climate change adaptation issues along a range of themes, including: cities and infrastructure; food, forestry and rural livelihoods; fresh water availability and access; public health; ecosystems and ecosystem-based adaptation; disaster risk reduction (DRR); the Arctic; risk assessment, adaptation planning and evaluation; institutions and governance; and finance, investment and business. The Conference aimed to move climate change adaptation forward by promoting public, commercial and policy solutions across sectors, borders and communities.

The Global Programme of Research on Climate Change Vulnerability, Impacts and Adaptation (PROVIA) organized Adaptation Futures 2016, which convened from 10-13 May 2016, in Rotterdam, the Netherlands. The European Commission (EC) and the Government of the Netherlands co-hosted the conference.

The Global Programme of Research on Climate Change Vulnerability, Impacts and Adaptation (PROVIA), 10-05-2016) Details at: <http://www.adaptationfutures2016.org/> and http://www.unep.org/provia/ADAPTATIONCONFERENCE/Adaptation_sConference2016/tabid/794433/Default.aspx

According to a report published by the UN Educational, Scientific and Cultural Organization (UNESCO), the UN Environment Programme (UNEP) and the Union of Concerned Scientists, climate change threatens World Heritage sites.

(UNESCO, 26-05-2016) – Details at: http://www.unesco.org/new/en/media-services/single-view/news/new_report_shows_world_heritage_icons_at_risk_from_climate_change/#.V4JpSI9OKmQ and <http://whc.unesco.org/en/activities/883/>

The World Energy Council released the publications “*World Energy Trilemma 2016: Defining measures to accelerate the energy transition*” and “*E-mobility: Closing the emissions gap*”.

(WEC, May 2016) – Details at: <http://www.worldenergy.org/publications/2016/world-energy-trilemma-2016-defining-measures-to-accelerate-the-energy-transition/> and <http://www.worldenergy.org/publications/2016/e-mobility-closing-the-emissions-gap/>

WWF released the publication “*Living Amazon Report 2016*”.

(WWF, 13-06-2016) – Details at: http://d2ouvy59p0dg6k.cloudfront.net/downloads/wwf_living_amazon_report_2016_mid_res_spreads_1.pdf

Two major global initiatives to fight climate change at city level are merging to create an alliance of more than 7,100 cities across the world called the *Global Covenant of Mayors for Climate and Energy*. The *Covenant of Mayors* – an EU initiative launched in 2008 involving 6,800 cities and regions in 57 countries – and the *Compact of Mayors* – a global coalition of mayors and city officials launched in 2014 by United Nations Secretary-General Ban Ki-moon – together represent more than 600 million residents in urban areas.

(DG Climate Action, 22-06-2016) – Details at: http://ec.europa.eu/clima/news/articles/news_2016062201_en.htm

The leaders of Canada, the US and Mexico released a joint statement on a 'North American Climate, Clean Energy and Environment Partnership,' which aims to ensure a “competitive, low-carbon and sustainable” North America and includes the goal of achieving 50% clean power generation by 2025.

(Government of Canada, 29-06-2016) – Details at: <http://pm.gc.ca/eng/news/2016/06/29/leaders-statement-north-american-climate-clean-energy-and-environment-partnership>

Sweden: The Government, the Moderate Party, the Centre Party and the Christian Democrats concluded an agreement on Sweden's long-term energy policy. The agreement consists of a common road map for a controlled transition to an entirely renewable electricity system, with a target of 100 per cent renewable electricity production by 2040.

(Government Offices of Sweden, 16-06-2016) – Details at: <http://www.government.se/articles/2016/06/agreement-on-swedish-energy-policy/>.html

July

7th Global Forum on Urban Resilience & Adaptation, 6-8 July 2016, Bonn-Germany, <http://resilientcities2016.iclei.org/>

The European Conference on Sustainability, Energy & the Environment 2016, 7-10 July 2016, The Jurys Inn Brighton Waterfront, Brighton, United Kingdom, <http://iafor.org/conferences/ecsee2016/>

August

Euro Global Summit and Expo on Biomass, 8-10 August 2016, Birmingham, United Kingdom, <http://biomass.global-summit.com/europe/>

Conference on "energy efficiency in buildings and civil construction", 8-12 August 2016, Sao Paulo, Brazil, <http://www.eceee.org/events/calendar/2016/matchmaking-mission-EE-in-buildings>

September

Transition to Green Economy - an event under the Slovak Presidency, 5-7 September 2016, Bratislava, Slovakia, <http://www.t2ge.eu/>

Asia Pacific Carbon Forum 2016, 5-7 September 2016, Jeju Island, Republic of Korea, <http://www.ieta.org/event-2260912>

UK Smart Cities: development, implementation and effective utilization, 13 September 2016, London, United Kingdom, <http://www.westminsterforumprojects.co.uk/forums/event.php?eid=1295&t=17286>

Horizon 2020 Information Day: Climate Action, Environment, Resource Efficiency & Raw Materials, 14 September 2016, Brussels, Belgium,

<https://ec.europa.eu/easme/en/horizon-2020-information-day-climate-action-environment-resource-efficiency-raw-materials>

Business-to-business energy efficiency networks, 15 September 2016, Die Kalkscheune, Berlin (conference venue for Industrial Efficiency 2016), <http://www.eceee.org/industry/programme/side-events/energy-efficiency-networks>

BIEE Oxford 'Innovation and Disruption: the energy sector in transition' 21-22 September 2016, Oxford, United Kingdom, <http://www.biee.org/conference-list/innovation-disruption-energy-sector-transition/>

2016 Info Day on the Horizon 2020 'Smart cities and communities' 23 September 2016, Brussels, Belgium, <https://ec.europa.eu/inea/en/news-events/events/2016-information-day-horizon-2020-smart-cities-and-communities>

2nd UNI-SET Energy Clustering Event, 26-28 September 2016, Torino, Italy, <http://www.eua.be/activities-services/events/event/2016/09/26/default-calendar/2nd-uni-set-energy-clustering-event>

Conference of the European Biogas Association, 27-29 September 2016, Ghent, Belgium, <http://biogasconference.eu/>

Wind Europe – Summit 2016, 27-29 September 2016, Hamburg, Germany, https://www.energy-community.org/portal/page/portal/ENC_HOME/NEWS/News_Details?p_new_id=12942

CIVITAS Forum 2016, "Shaping the mobility of tomorrow", 28-30 September, Gdynia, Poland, <http://www.civitas.eu/content/civitas-forum-conference-2016>

"Energy of Moldova (EM-2016): Regional aspects of development", 29 September – 1 October 2016, Chisinau, Moldova, <http://www.em-2016.ie.asm.md>

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

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

Climate Action Network, Position: Internship. Deadline: **Not mentioned.** Details at: <http://www.climatenetwork.org/jobs-and-internships>

Centre for European Policy Studies (CEPS), Position: Internship. The application system is open throughout the year, but the applications are only evaluated three times a year (1 March, 1 June, 1 October). Details at: <https://www.ceps.eu/content/internship>

WindEurope, Position: Traineeship. **Deadline: None.** WindEurope continuously offers several traineeship opportunities to University and high-school students who require work experience to complete their courses. Details at: <https://windeurope.org/about-us/careers/>

ETH Zürich Climate Policy Group, Position: Interdisciplinary Post Doc in "Climate change adaptation and natural hazards". Deadline: **Not specified.** Details at: <https://apply.refline.ch/845721/4561/pub/1/index.html>

World Economic Forum (WEF), Position: Head of Climate Change Department. Deadline: **Not mentioned.** Details at: <http://ldd.tbe.taleo.net/ldd03/ats/careers/requisition.jsp;jsessionid=2D0B1474B814318873CC47EEAF40339E?org=WORLD&ws=1&rid=1218>

KTH Royal Institute of Technology, School of Industrial Engineering and Management, Position: Assistant professor

in Energy Systems Analysis. Deadline: **15 August 2016.**

Details at: <https://www.kth.se/en/om/work-at-kth/lediga-jobb/what/job/jobID:93818/where:4/>

Energy Community, Position: Head of Unit. Deadline: **29 August 2016.** Details at: https://www.energy-community.org/portal/page/portal/ENC_HOME/SECRETARIAT/Job/Head_07_2016

Energy Community, Position: Gas expert. Deadline: **29 August 2016.** Details at: https://www.energy-community.org/portal/page/portal/ENC_HOME/SECRETARIAT/Job/GAS_08_2016

ICLEI, Position: Officer - Sustainable Economy and Procurement. Deadline: **31 August 2016.** Details at: http://www.iclei-europe.org/fileadmin/templates/iclei-europe/files/content/Jobs/2016/25.07.2016_Officer_-_Sustainable_Economy_and_Procurement.pdf

Technische Universität (TU) Wien, Faculty of Electrical Engineering and Information Technology, Institute of Energy Systems and Electrical Drives, Position: FULL PROFESSOR (TENURED) for „Renewable Energy Systems and Energy Efficiency“. Deadline: **31 August 2016.** Details at: http://etit.tuwien.ac.at/fakultaet/offene_stellen_open_positions/EN/

OECD, Position: Programme Officer - International Partnership for Energy Efficiency Cooperation (IPPEC) Deadline: **Not mentioned.** Details at: <https://oecd.taleo.net/careersection/ext/jobdetail.ftl>

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