



# 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 and the European Commission is not liable for the information contained. **Sponsorships for its circulation are welcome.**

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Activities

### Editorial note

by  
Prof. Dimitrios MAVRAKIS  
Coordinator of  
PROMITHEAS Network



Human population has surpassed the 7 billions during last year and continues its exponential explosion targeting the 9.6 billion until the 2050. Asia and Africa demonstrate the highest rates of increase with concentrations soaring to urban areas, in the so called megacities and not only. In the era of economic and technological globalization the survival and the fulfillment of perspectives and expectations for better life depends on , in an absolute way, the coverage of energy demands worldwide.

With the energy mixture dominated by hydrocarbons and coal, humanity has to confront the challenge of the produced CO2 that contributes in the increase of atmospheric temperature and drives to uncontrolled climate change. The tragic irony is that our societies have to base their activities on an energy mixture that cannot be changed drastically in the coming years which in parallel threatens their existence.

The situation resembles to a flying plane with increasing problems in its engines. The plane has to fly and the engines have to be repaired on the air. To put it in another way, in the coming years we need more energy but less polluting. The entrance of unconventional fuels affects, already, the structure of world energy mixture and raise additional environmental concerns.

Today, the aggressive entrance of the unconventional natural gas (mainly shale gas) and the sand oils, tomorrow the subsea extraction of the methane hydrates underline the argument on the strong contribution of hydrocarbons to world energy supply until the end of this century. This has to be taken into account in all planned actions related to mitigation of GHG emission policies.

It is thus necessary to balance those two trends in an efficient, resulting and smart way.

Increasing energy efficiency and decreasing unnecessary waste of energy has to be done in a way promoting economic development.

The concept of "green economy" has to be developed and implemented in a balanced and efficient way that will allow the development and converge of "green pathways" reflecting the peculiarities of the different countries and civilizations so as to ensure the achievement of the "supreme" goal which is the survival of human race. The Durban Platform, if finally activated, will bind all signatories, developed and developing countries towards this goal.

The forthcoming 6th International Conference on Energy and Climate Change Policies that will be held in Athens (9-11 Oct 2013) will discuss the Mitigation / Adaptation policy portfolios of 12 countries mainly from the Black Sea and the Caspian Sea regions in a small contribution to the global efforts to confront the challenge of the emerging climate change.

### International Conference on the Legal Issues of Renewable Electricity in Asia Region: Recent Development at a Post-Fukushima and Post-Kyoto Protocol Era



by Prof. Chien-Te FAN,  
Director of Institute of Law for Science & Technology, National Tsing Hua University (Taiwan)

The International Conference titled "*The Legal Issues of Renewable Electricity in Asia Region: Recent Development at a Post-Fukushima and Post-Kyoto Protocol Era*" will take place at the premises of the National Tsing Hua University (NTHU) on August 22-23, 2013 in Hsinchu, Taiwan.

Faced with the challenges of global climate change, how to reshape the conventional energy regime to the ones in line with sustainable development has become a critical worldwide issue in the fields of public policy and political debate, economic and

social development, and academy. For that Asia plays an increasing role in dealing with the issues in the area, under the auspices of Kluwer Law International, the Conference is dedicated to catch the most recent development of energy law and policy, especially the Fit-in-Tariffs, in the region and aims to render the participants an in-depth and substantive discussion of related issues. For more information, please refer to:

<http://www.blc.nthu.edu.tw/files/14-1184-57568,r2173-1.php>

#### *About the Organization*

The Institute of Law for Science and Technology (ILST) of NTHU is a burgeoning academic research institute which, in the past ten years, has continually participated in the development of related academy in the field of energy and climate change; including the most recent effort in hosting “2012 Eastern Asian Legal Forum on Climate Change & Energy: Adapt to climate change-Innovative Energy Policy and Law” in August, 2012. Highly recognized by the world leading publisher, Kluwer Law International (Kluwer), in valuating this conference, the ILST is able to organize this conference under its auspices. For more information, please see <http://www.lst.nthu.edu.tw>

**Prof. Fan, Chien Te** is a law professor and founding director of ILST in NTHU. The Institute is the first graduate academic institute established in Taiwan to emphasize in the fields of science & technology related legal trainings and energy and environment conservation. He received his LL.B degree from Soochow University, LL.M degree from University of Washington and J.D. Degree from Puget Sound University. Before he moved to NTHU, Professor Fan was a full time professor teaching in Soochow University, School of Law for ten years. In addition to his academic achievement, Professor Fan also consults the government agencies in different mandate, including the Science & Technology consultation to the President Hall, Government Reorganization to the Administration Yuan, International Agreement negotiation to the Ministry of Foreign Affairs and Environment Protection Agency, and several other industry related policy and/or legal works. Prof. FAN specializes in energy and environmental law, and the areas of biotechnology and ethic related issues. He is also an experienced scholar involving in UNFCCC negotiation process since 2001 in Marrakesh. Moreover, as a speaker, he was also invited to join the side event several times that held in the COPs.

#### **PROMITHEAS-4, Annual Scientific Conference**

The 6<sup>th</sup> International Scientific Conference of PROMITHEAS-4 on “Energy and will take place at the premises of NKUA on October **9-10-11, 2013 in Athens, Greece**.

This year the Conference is oriented to “**Policy Portfolios for emerging economies**”. In the frame of this topic the outcomes of the FP7 funded project “PROMITHEAS-4: Knowledge transfer and research

needs for preparing Mitigation/Adaptation policy portfolios” for 12 countries mainly from the BSEC and Central Asia regions will be presented in a special session along with proposals for the optimization of these portfolios for the countries that participate in the project.

For more information:

<http://www.promitheasnet.kepa.uoa.gr/>

#### **International Training Seminar on “Climate Change policies” (trends, Modeling-LEAP, Evaluation-AMS)**

The International Training Seminar on Climate Change policies is a one-week training activity aiming to offer a holistic approach to the problems which policy makers from countries with emerging economies face in fulfilling their needs for such policies. Trainees will get updated on international policy trends, data collection, scenarios development, policy mixture selection with the use of **LEAP** (and its updated versions) and their assessment with the use of **AMS** (for climate change policy mixtures). LEAP is a software tool for energy policy analysis and climate change mitigation assessment developed in SEI’s (Stockholm Environment Institute) U.S. center. It is a widely-used tool in the world today with over two thousand users in more than 190 countries for energy and environment policy analysis. LEAP has been adopted as the tool of choice by numerous countries wishing to plan their energy systems to meet sustainable development goals. The AMS method is a multi-criteria method developed for evaluating climate change policy instruments or policy mixtures, with suitable modification for evaluating their interactions as well, developed in KEPA – NKUA (Energy Policy and Development Centre – National and Kapodistrian University of Athens). Both LEAP and AMS have been used for the development and assessment of M/A policy portfolios for twelve (12) countries of BSEC and Central Asia.

Organised by KEPA (Energy Policy and Development Centre of National and Kapodistrian University of Athens) in cooperation with the US center of Stockholm Environment Institute in Massachusetts and developer of LEAP (Long-range Energy Alternatives Planning system), the training seminar addresses mainly to policy and decision makers (employees of ministries and agencies, consultants) as well as to researchers from Europe and Asia (Mediterranean, Black Sea and Central Asia region) and will take place in the premises of KEPA on the second week of November 2013.

The establishment of this training seminar in an annual base as a knowledge transfer process will keep the policy makers of the countries of the region updated on developing and assessing climate change policy portfolios.

**Info:** [promitheas@kepa.uoa.gr](mailto:promitheas@kepa.uoa.gr)

(Ministry of Nature Protection of the Republic of Armenia, 1-6-2013) – Details at: <http://www.mnp.am/?aid=1826>

**EU:** The European Commission launched the **2016 European Green Capital**, an award which aims to

honor cities which are at the forefront of sustainable energy and clean technological progress.

(DG Environment, 24-6-2013) – Details at:  
[http://ec.europa.eu/environment/europeangreencapital/index\\_en.htm](http://ec.europa.eu/environment/europeangreencapital/index_en.htm)

The European Parliament, Council and European Commission agreed on further reduction in CO<sub>2</sub> emissions from cars. The agreement will reduce average CO<sub>2</sub> emissions from new cars to 95g per kilometre from 2020, as proposed by the Commission. This represents a 40% reduction from the mandatory 2015 target of 130g/km.

(DG Clima, 25-6-2013) – Details at:  
[http://ec.europa.eu/clima/news/articles/news\\_2013062501\\_en.htm](http://ec.europa.eu/clima/news/articles/news_2013062501_en.htm)

The European Commission approved an eco-innovation by French manufacturer Valeo Equipements Electriques Moteur for reducing CO<sub>2</sub> emissions from passenger cars. Valeo demonstrated that the use of Valeo Efficient Generation Alternator, with an efficiency of at least 77%, is innovative within the meaning of the relevant legislation and reduces CO<sub>2</sub> emissions by at least 1g CO<sub>2</sub>/km.

(DG Clima, 27-6-2013) – Details at:  
[http://ec.europa.eu/clima/news/articles/news\\_2013062701\\_en.htm](http://ec.europa.eu/clima/news/articles/news_2013062701_en.htm)

The European Commission proposed legislation which, starting in 2018, will require owners of large ships using EU ports to monitor and report the ships' annual carbon dioxide (CO<sub>2</sub>) emissions.

(DG Clima, 27-6-2013) – Details at:  
[http://ec.europa.eu/clima/news/articles/news\\_2013062801\\_en.htm](http://ec.europa.eu/clima/news/articles/news_2013062801_en.htm)

In June 2013 the European Wind Energy Association (EWEA) released the "Annual Report 2012 - United in tough times".

(EWEA, June 2013) – Details at:  
[http://www.ewea.org/publications/reports/?no\\_cache=1](http://www.ewea.org/publications/reports/?no_cache=1)

**International:** The UNFCCC Secretariat released: i) an information document on financial support provided by the Global Environment Facility (GEF) for the preparation of national communications by non-Annex I Parties (FCCC/SBI/2013/INF.7) and ii) a report that synthesizes the views presented by parties and organizations on experiences with the application of the guidelines for the national adaptation plan (NAP) process in the Least Developed Country (LDCs) parties (FCCC/SBI/2013/9).

(UNFCCC, 15 May 2013) – Details at:  
<http://unfccc.int/resource/docs/2013/sbi/eng/09.pdf>  
<http://unfccc.int/resource/docs/2013/sbi/eng/inf07.pdf>

The World Wind Energy Association released the report "World Wind Energy Report 2012" which reveals that in 2012, worldwide wind capacity increased more than ever before and the sector boasted a turnover of US\$75 billion, led by China, the US, India and Germany. The report analyzes the growth of the global wind energy sector across the 100 countries that are currently using it to power their economies.

(World Wind Energy Association, 21 May 2013) – Details at:  
<http://www.wwindea.org/home/index.php>

The International Renewable Energy Agency (IRENA) released two publications, titled 'Southern African Power Pool: Planning and Prospects for Renewable Energy' and 'West African Power Pool: Planning and Prospects for Renewable Energy,' which examine various scenarios for the development of renewable energy in Africa and, for Southern Africa, calculate the gains in CO<sub>2</sub> emissions.

(IRENA, 13-6-2013) – Details at:  
<http://www.irena.org/DocumentDownloads/Publications/SAPP.pdf>  
<http://www.irena.org/DocumentDownloads/Publications/WAPP.pdf>

The UN launched the fourth edition of 'Moving Towards a Climate Neutral UN,' the annual progress report on the UN's efforts to achieve climate neutrality, which details the UN's greenhouse gas (GHG) emissions in 2011 and some of the activities undertaken in 2012 to reduce them.

(UNEP, 21-6-2013) – Details at:  
<http://www.unep.org/newscentre/Default.aspx?DocumentID=2718&ArticleID=9553&l=en>

The International Energy Agency (IEA) released its second annual 'Medium-Term Renewable Energy Market Report 2013', which finds that growth of renewables in the electricity sector is on track to meet the IEA's low-carbon energy scenarios through 2018.

(IEA, 26-6-2013) – Details at:  
[http://www.iea.org/newsroomandevents/pressreleases/2013/june/nam\\_e.39156\\_en.html](http://www.iea.org/newsroomandevents/pressreleases/2013/june/nam_e.39156_en.html)

**Kazakhstan:** The European Bank for Reconstruction and Development (EBRD) hosted a workshop in Astana, on the practical implications of dealing with carbon budgets, in cooperation with the Ministry of Environmental Protection of Kazakhstan. The workshop aimed to prepare businesses that are subject to the Kazakh emissions trading scheme (ETS) for implementing the scheme's requirements.

(EBRD, 20-6-2013) – Details at:  
<http://www.ebrd.com/english/pages/news/press/2013/130620a.shtml>

**Poland:** The EBRD will provide a long-term corporate loan to ENERGA of up to PLN 800 million (EUR 195 million equivalent). The Bank will hold up to 50% of the loan, i.e. PLN 400 million (EUR 97.5 million equivalent) and will syndicate the remaining part to two Polish commercial banks, namely PKO Bank Polski and ING Bank Śląski. The total cost of ENERGA OPERATOR's 2012-2015 investment programme is approximately PLN 5.2 billion (EUR 1.3 billion equivalent).

(EBRD, 26-6-2013) – Details at:  
<http://www.ebrd.com/english/pages/news/press/2013/140275.shtml>

**Romania:** The UNFCCC Secretariat released the report of the centralized review of the 2012 annual submission of Romania (FCCC/ARR/2012/ROU), which indicates that its total GHG emissions decreased by 57.6% between 1990 and 2010, the key driver for this decrease being the economic downturn during the transition period to a market economy.

(UNFCCC, 12-4-2013) – Details at:  
<http://unfccc.int/resource/docs/2013/arr/rou.pdf>

**Russia:** Gazprom and EDF sign Heads of Agreement on gas supply via South Stream.

(Gazprom, 21-6-2013) – Details at:  
<http://www.gazprom.com/press/news/2013/june/article165067/>

Gazprom and consortium of Japanese companies sign Memorandum of Understanding on Vladivostok-LNG project.

(Gazprom, 22-6-2013) – Details at:  
<http://www.gazprom.com/press/news/2013/june/article165104/>



## July

**FT/IFC Investing in Climate Business Forum, 10-11 June 2013**, Swissotel, The Bosphorus, Istanbul – Turkey, <https://www.etouches.com/ehome/57486/event-home/>

## August

**The International Conference on the Legal Issues of Renewable Electricity in Asia Region: Recent Development at a Post-Fukushima and Post-Kyoto Protocol Era, 22-23 August 2013**, TSMC Building, National Tsing Hua University, Hsinchu, Taiwan. Organized by Institute of Law for Science and Technology, National Tsing Hua University, Taiwan (R.O.C.), <http://www.blc.nthu.edu.tw/files/14-1184-57568,r2173-1.php>

**Latin American and Caribbean Carbon Forum**, 28-30 August, Rio de Janeiro, Brazil, <http://www.latincarbon.com/2013/english/objective.htm>

**IEEE International Conference on Smart Energy Grid Engineering (SEGE' 13)**, 28-30 August 2013, UOIT, Oshawa, Canada, <http://ewh.ieee.org/conf/sege/2013/>

## September

**12th International NCCR Climate Summer School "From Climate Reconstructions to Climate Predictions"**, 1 – 6 September 2013, Grindelwald, Switzerland, [http://www.nccr-climate.unibe.ch/summer\\_school/2013/](http://www.nccr-climate.unibe.ch/summer_school/2013/)

**Brazil WindPower, 3-5 September 2013**, Rio de Janeiro (Brazil), <http://brazilwindpower.org/en/>

**ICCE 2013: International Conference & Exhibition on Clean Energy**, 9-11 September 2013, Ottawa, Canada, <http://iaemm.com/ICCE2013/>

**1st CIGR Inter-Regional Conference on Land and Water Challenges**, 10-14 September, 2013, Bari (Italy), <http://www.landandwater2013.iamb.it/>

**Global Climate Change Alliance- Global Policy Event**, 18-20 September 2013, Brussels, Belgium, [http://www.gcca.eu/sites/default/files/soraya.khosravi/gcca\\_a4\\_gpe\\_flyer\\_hi.pdf](http://www.gcca.eu/sites/default/files/soraya.khosravi/gcca_a4_gpe_flyer_hi.pdf)

**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)

**Community of European Railway and Infrastructure Companies (CER)**. Position: **Environmental Economist** (EU Transport Policy). Deadline: **5 August 2013**. Details at: [http://www.eurobrussels.com/job\\_display/82481/Environmental\\_Economist\\_EU\\_Transport\\_Policy\\_CER\\_Community\\_of\\_European\\_Railway\\_and\\_Infrastructure\\_Companies\\_Brussels\\_Belgium](http://www.eurobrussels.com/job_display/82481/Environmental_Economist_EU_Transport_Policy_CER_Community_of_European_Railway_and_Infrastructure_Companies_Brussels_Belgium)

**Stockholm Environment Institute (SEI)**. Position: General hiring - all levels of research and project management. Deadline: **15 August 2013**. Details at: <http://www.sei-international.org/working-for-sei/current-recruitments/2661>

**Potsdam Institute for Climate Impact Research (PIK)**. Position: PhD candidate - Energy demand, energy efficiency and climate change mitigation. Deadline: 18 August 2013. Details at: <http://www.pik-potsdam.de/aktuelles/stellen/phd-positions/phd-candidate-energy-demand-energy-efficiency-and-climate-change-mitigation>

**United Nations, Sustainable Development Mechanisms (SDM) Programme, Project and Entity Assessment (PEA)**. Position: Programme Officer P4. Deadline: **29 August 2013**. Details at: <https://unfccc.int/secretariat/employment/UserManagement/FileStorage/KL7MGFHVPROZQ01Y9D46A2SC58WUET>

**European University Institute**, Position: Robert Schuman Centre Chair in Climate Policy. Deadline: **5 September 2013**. Details at: <http://www.eui.eu/ServicesAndAdmin/AcademicService/AcademicPosts.aspx> and <http://www.eui.eu/Documents/ServicesAdmin/AcademicService/JobOpportunities/2013/RSCCLIFurtherParticulars.pdf>

**Center for Global Development**. Position: Visiting Policy Internship. Deadline: **not mentioned**. Details at: <http://international.cgdev.org/page/visiting-policy-fellowship-0>

**Center for Global Development**. Position: Senior Fellow/Research Fellow – Forests and Climate Chn. Deadline: **not mentioned**. Details at: <http://international.cgdev.org/page/program-coordinator-forest-and-climate>

**The Rainforest Alliance**. Position: Project manager, Africa-TREES. Location; United States. Deadline: **Open until filled**. Details at: <http://www.forestcarbonportal.com/jobs/project-manager-africa-trees>

**Potsdam Institute for Climate Impact Research (PIK)**, Postdoc position in Research Domain IV: Transdisciplinary

Concepts and Methods, in the research group SuperSmart Grid. Deadline: Until filled. Details at: <http://www.pik-potsdam.de/aktuelles/stellen/postdoc-positions/postdoc-rd-iv-supersmartgrid>

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