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## EDITORIAL

*Dear Readers,*

*Our quarterly eJournal keeps you informed about current and forthcoming **ener2i** project activities and current developments in EU-Eastern Partnership (EaP) countries (Armenia, Belarus, Georgia, Moldova) Energy Efficiency and Renewable Energy cooperation.*

*In this issue you will find information about project activities as well as relevant news and events. Detailed information can be obtained [here](#).*

*We would like to invite you to visit our [project website](#) where you can find further up-to date information about the latest developments of the project. Please do not hesitate to send us your feedback as well as any information you would like to promote in next issues, to: [office@ener2i.eu](mailto:office@ener2i.eu).*

*The **ener2i** Team*

## NEWS

### **ener2i** Innovation Voucher Competition in Moldova – Call for Applications

The EU funded project **ener2i** ([www.ener2i.eu](http://www.ener2i.eu)) invites Moldovan Small and Medium sized Enterprises (SMEs) with energy related innovation targets in Renewable Energy Sources (RES) or with the aim to improve their energy efficiency (EE) performance to participate in the **ener2i** Innovation Voucher Competition – Moldova.

The aim of the competition is to initiate innovation projects in the field of EE and RES by providing direct financial support in an early stage of project development. SMEs, including start-ups and spin-offs, will get the possibility to purchase research and development services from knowledge providers to realise their projects and to establish or intensify their relationship with research institutions.

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### **[Event Review] Successful **ener2i** EU International Brokerage Event in Brussels**

On 23 June 2014, the first **ener2i** EU International Brokerage event was held in Brussels in synergy with the **IncoNet Eastern Partnership project**. The event was hosted at the Committee of the Regions, in Brussels, back to back with the EU Sustainable Energy Week, EUSEW 2014, and gathered together 41 participants

from 15 countries, including 6 EaP countries: Ukraine, Georgia, Moldova, Armenia, Belarus, and Azerbaijan. To view the programme of the first ener2i EU International Brokerage Event click [here](#).

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### [Event Review] Georgia Innovation Week on 24 - 26 April 2014



On 24 to 26 April 2014 the “Georgia Innovations' Week” was held in Tbilisi aiming at promotion of innovation technologies in Georgia and at providing knowledge of various sectors participants for sharing information and

start working on new projects and products. The organiser of the 3-day event was “The Innovation and Technology Agency” at the Ministry of Economy and Sustainable Development of Georgia established in February 2014.

The event was opened by Minister of Economy and Sustainable Development of Georgia, who noted that Georgia had important intellectual potential, an enthusiastic young generation and scientists and creators who could boost the innovation industry in the country. The Innovation Week was also attended by Henry Kerali, Regional Director for the South Caucasus, Mr. Dimitry Kumsishvili, First Deputy Minister of Economy and Sustainable Development of Georgia, Mr. Irakli Kashibadze, Head of the Communications, IT and Innovations Agency and the representatives of other governmental and private agencies.

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### [Event Review] Horizon 2020 first calls published

On December 11, 2013 the European Commission presented first calls for projects under Horizon 2020. Worth more than €15 billion over the first two years, the funding is intended to help boost Europe's knowledge-driven economy, and tackle issues that will make a difference in people's lives.

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### [Event Review] ener2i Training Workshop: Innovation in Energy Efficiency and Renewable Energy in Belarus

ener2i organised its first Training Workshop on Innovation in Energy Efficiency and Renewable Energy in Minsk, Belarus on 15 October 2014. This Training workshop was intended for stakeholders, researchers and companies from Belarus.

The main aim of this Innovation Training Workshop was to facilitate the knowledge transfer from academia to business and support the commercialisation of research results. Additionally, the Innovation Training Workshop aims at developing and deepening awareness and usage of commercialisation instruments for research organisations, start-ups and SMEs, and innovation agencies to avoid pitfalls.

This ener2i Innovation Training Workshop is organised by local ener2i partner Belarusian Institute of System

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Analysis and Information Support of Scientific and Technical Sphere (BellSA). Registration to this event will be available until 8 October 2014. Registration Forms (in Russian language) will be collected by email and will be available on the BellSA website.

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### [Event Review] ener2i Brokerage Event in Belarus

On **October 14, 2014** ener2i invited **research institutions, universities, companies and Small and Medium sized Enterprises (SMEs)**, as well as **business support organisations** and other **interested stakeholders** with innovation targets in Renewable Energy Sources or in energy efficiency **from Belarus, the European Union, Eastern Partnership (EaP) countries**, and beyond to participate in the ener2i Brokerage Event on energy in Minsk, Belarus. The event took place in the framework of the XIX Belarusian Energy and Ecology Forum “ENERGY, ECOLOGY, ENERGY SAVING, ELECTRO” – ENERGY EXPO – 2014.

The ENERGY EXPO is the largest and most popular annual event on energy in Belarus. The EXPO features a large company exhibition and a scientific congress with several conferences and workshops. This year, the ENERGY EXPO – 2014 will be held on October 14-17, 2014.

The **ener2i** Brokerage Event was organised by local **ener2i** partners, the Belarusian Institute of System Analysis and Information Support of Scientific and Technical Sphere, and the Belarusian Innovation Fund. Administrative support was provided by the State Committee on Science and Technology of Belarus and the Department of Energy Efficiency of the State Committee for Standardization of the Republic of Belarus.

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### [Event Review] Info Day Horizon 2020: Energy, Climate Change, Health



IncoNet EaP organised an Info Day on Energy, Climate Change and Health. It took place in Tbilisi, Georgia, on 14 November 2014 on the premises of Tbilisi State Medical University. A draft agenda is available.

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### High-level Training in Research and Innovation Policy



The IncoNet EaP project is preparing a high level training for senior experts in research policy making to be held in Vienna from 16-20 February 2015. The training course is aiming at participants who perform senior roles (e.g. heads of units) in ministries, agencies or councils in the field of research, technology and innovation.

The topics of the training have not yet been fixed in order to accommodate the preferences of the participants. Nevertheless, some pre-selection was made in order to steer the rough thematic orientation of the training course.

It is planned to offer a limited number of persons from each of the Eastern Partnership countries (i.e. Armenia, Azerbaijan, Belarus, Georgia, Moldova, and Ukraine) the opportunity to take part in this one-week training course. Participation in this event will be by invitation only.

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### **Event: World Sustainable Energy Days**

The World Sustainable Energy Days 2015 will take place on 25-27 February 2015 in Wels/Austria. The event is organized by OÖ Energiesparverband, the energy agency of Upper Austria. Goal of the event is to make an important contribution to awareness raising about renewable energy and energy efficiency. The event will consist of five conferences: European Pellet Conference, Nearly Zero Energy Buildings, Young Researchers' Conference: Energy Efficiency + Biomass, European Energy Efficiency Watch Conference and Energy-Efficient Commercial Buildings Conference. It will also include three Hands-on events: B2B Meetings, Technical Site Visits and a major tradeshow on renewable energy and energy efficiency buildings.

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### **Armenia Renewable Resources and Energy Efficiency Fund - request for expressions of interest - Geothermal drilling consultant to support with preparation of bidding documents for exploratory drilling**

This request for expressions of interest follows the general procurement notice for this project that appeared in UN Development Business (on line) dated August 20, 2014 and in [www.gnumner.am](http://www.gnumner.am) ([www.procurement.am](http://www.procurement.am)) web site.

The Republic of Armenia received a grant from Scaling-up Renewable Energy Program (SREP) under Climate Investment Fund umbrella, and intends to apply part of the proceeds on consulting services for supporting with preparation of bidding documents for exploratory drilling.

The main objective of this assignment is to prepare the technical specifications of the bidding documents for the slim wells, as well as provide other technical input to the procurement process as required.

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## **EVENTS**

### **ener2i EU Brokerage Event in December**

The main objective of the second **ener2i** EU Brokerage Event on 2 December 2014 in Brussels is to foster networking and knowledge exchange between transnational and local stakeholders and to support the development of joint projects and cooperative activities. The event will target a wide range of companies, universities and researchers from Europe, EaP countries, and countries associated to the Horizon 2020

programme. The event will foster the creation of consortia for the upcoming Horizon 2020 calls on the 3 focus areas:

- Bioresources
- Smart Cities and Regions
- Education and Training Programmes

Registration period closed on 15 November 2014.

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### **ener2i Workshop on Innovation in Energy Efficiency and Renewable Energy in Moldova**

**ener2i** project organises a Workshop on Innovation in Energy Efficiency and Renewable Energy in Chisinau, Moldova on 10 December 2014. This workshop is intended for stakeholders, researchers and companies from Moldova, EU countries and countries associated to the EU's Horizon 2020 programme.

The main aim of this Workshop is to provide state of the art information on energy and innovation issues. Furthermore, it aims at facilitating the knowledge transfer from academia to business, and at raising awareness of commercialisation instruments for research organisations, start-ups and SMEs, and innovation agencies. It will cover issues such as governance and financing of energy innovations, new approaches to innovation, bioresource utilisation, energy efficiency in buildings and others.

#### *Registration*

Registration to this event will be available until **8 December 2014**. The online Registration Form (in English and Romanian Language) is available [here](#).

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### **ener2i Brokerage Event in Moldova**

**ener2i** invites **research institutions, universities, companies and Small and Medium sized Enterprises (SMEs)**, as well as **business support organisations and other interested stakeholders** with innovation targets in Renewable Energy Sources or in energy efficiency from **Moldova, the European Union, Eastern Partnership (EaP) countries**, and beyond to participate in the **ener2i Brokerage Event on energy in Chisinau, Republic of Moldova**.

The event will be held on **December 11, 2014** in the framework of the Top Innovation Event, organised by the Moldovan Agency for Innovation and Technology Transfer (AITT). The **Top Innovation Event** is the largest and most popular annual event on innovation in Moldova.

The **ener2i** Brokerage Event provides an opportunity for **enhancing the cooperation between Moldovan research organisations and businesses**, and for **establishing direct contacts and partnerships between Moldovan and foreign academic and business representatives**, especially those from the EU and EaP countries. Part of the agenda will therefore be dedicated to pre-arranged face2face meetings and networking. Face2face meetings serve to find potential partners, to present competences, to discuss new project ideas and initiate partnerships for bi-lateral cooperation, or for joint projects in the EU's Horizon2020 Programme

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The **ener2i** Brokerage Event is organized by local **ener2i** partners, the Agency for Innovation and Technology Transfer (AITT) and the Organisation for Small and Medium Enterprises Sector Development (ODIMM). Support is provided also by the Moldovan Academy of Sciences.

Register [here](#).

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## DOCUMENTS

### **ener2i** Country Reports on the energy sectors in Armenia, Belarus, Georgia and Moldova

The ener2i project consortium has published four Country Reports on the energy sectors of [Armenia](#), [Belarus](#), [Georgia](#) and [Moldova](#) as well as a pre-final version of a comparative [cross-country report](#). The reports focus on the potential in energy efficiency (EE) and renewable energy sources (RES), and provide an overview of available technologies and technology providers, opportunities and barriers and address relevant policies and energy strategies. This analysis will be a basis for the formulation of policy recommendations and the definition of a joint roadmap on EE/RES at a later stage of the ener2i project.

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### **The European Union and Eastern Europe**



The Eastern Partnership is a joint initiative of the EU, its Member States and the Eastern European partner countries. It provides for greater opportunity for those partner countries interested in doing so, to move towards the EU and increase political, economic and cultural links.

The Partnership was launched in 2009 at a Summit held in Prague, in an effort by the EU and its Eastern European partners - Armenia, Azerbaijan, Belarus, Georgia, the Republic of Moldova and Ukraine - to help promote political and economic reforms and assist the countries of the region move closer to the EU. At its basis lies a shared commitment to international law and fundamental values, including democracy, the rule of law and respect for human rights and fundamental freedoms, as well as to market economy, sustainable development and good governance.

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### **NoGAP: Training for Researchers – Handbook**



NoGAP (Knowledge Transfer Community) published a handbook for researchers concerning Technology Transfer in the Field of Energy Efficiency and Renewable Energy Sources. The current training handbook is part of a larger undertaking within the competence development framework proposed within the project NoGap to bridge the gap between research, innovation and business creation. This material is aimed at covering the most important topics of interest for researchers, in order to stimulate the

approach of the academic and economic environments for producing concrete results pertaining to the generation and use of renewable energy. It addresses issues such as knowledge management, technology transfer in the field of energy efficiency and renewable energy and its legislative framework, analyses modern technologies in the field of energy efficiency and renewable energy and their assessment methods and finally goes through intellectual property rights and licensing in the above-mentioned field.

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### NoGAP: Training for SMEs and Start-ups/Entrepreneurs Handbook



NoGAP published a training handbook for SMEs and Start-ups concerning innovation management and transnational partnership. The training handbook aimed at SMEs, start-ups and entrepreneurs presents the most important issues related to **Innovation management** and **Transnational partnership**, which are considered as keys in bridging the gap” that currently exists between the scientific contributions and business opportunities connected to the field of renewable energy. The handbook has strong interactive and practical features that will make it more impactful upon delivery to the participants.

Chapter 1 includes a short overview of the **main motivations and trends** that exist related to innovation in companies, as well as an introduction to the basic concepts of the field.

Chapter 2 discusses some of the **current models** that the specialty literature presents related to actually **stimulating, managing and valuating innovation management** in firms.

Chapter 3 is a very practical one and presents a package of the most important tools used in the field of innovation and **new product development** for conducting successful deployments.

Chapter 4 presents an introduction to the topic of Transnational partnership, that will help (the small) companies in tackling the challenges in starting to **“think big”** in terms of scope, impact and collaboration networks.

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### OECD Science, Technology and Industry Working Papers 2014: Renewable Energy Policies and Cross-border Investment



OECD Working Papers describe preliminary results or research in progress and are published to stimulate discussion on a broad range of issues on which the OECD works. The study assesses the role of feed-in tariffs (FITs) and renewable energy certificates (RECs) in creating incentives for cross-

border investments and for investments in particular technological portfolios via M&A. The analysis explores the dataset on M&As in alternative energy sources worldwide over 2005-2011. The results suggest that FITs encourage more diversified M&A than RECs. With respect to foreign investment, the study finds a linear relationship between FITs and cross-border M&As in the wind energy sector, but an inverted U-shaped relationship in the solar energy sector. One possible explanation for the latter may lie in reduced policy credibility due to the public finance implications of ‘generous’ FITs. Another possible explanation for this

finding concerns the use of high solar FITs by countries whose natural conditions provide little comparative advantage in solar energy, suggesting that low profitability and limited potential of solar energy in those countries might have deterred the entry of foreign investors.

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## OECD Environment Working Papers: Inducing Private Finance for Renewable Energy Projects



This paper analyses the effects of government policies on flows of private finance for investment in renewable energy (inducement effect). It also examines whether direct provision of public finance for a project increases the volume of private finance raised (“crowding in” effect). A unique dataset of financial transactions for renewable energy projects with worldwide coverage is constructed using the Bloomberg New Energy Finance database. The analysis covers 87 countries, six renewable energy sectors (wind, solar, biomass, small hydropower, marine and geothermal) and the 2000-2011 time span. Main findings are that, in contrast to quota-based schemes, price-based support schemes are positively correlated with investors’ ability to raise private finance. The paper suggests that, rather than the type of instrument (price vs. quota), it is the specific design of such schemes that is key to providing a predictable signal and an effective incentive to attract private investors. It is also found that public finance supports precisely those projects that have had difficulty raising private finance (co-financed projects), where neither quota-based measures nor price-based support schemes have a significant effect on private finance flows. This raises the concern that in the absence of well-designed policies which incentivise private finance investment, governments wishing to secure project completion have no other choice than to support projects directly through the use of public finance.

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## OPEN CALLS

### Call for proposals in anticipation of the 1st NoGAP Brokerage Event in Kyiv



#### NoGAP call for Proposals

NoGAP is looking for novel ideas which could have a strategic and meaningful impact to the energy sector in the Eastern Partnership region. If you are a researcher and/or an entrepreneur from the Eastern Partnership region, you are encouraged to respond to this call. Forms are available to generally present your company or institution, and to present the technology you want to offer or which you need to further pursue your idea, which you are invited to fill in at <http://partnering.pt-dlr.de/Account/Register/nogap>. Only proposals using the format provided by NoGAP will be accepted.

#### The Brokerage Event

The Brokerage Event of NoGAP will offer opportunities for networking and finding potential collaborators and

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partners companies, organizations, entrepreneurs and researchers from different EU Member States and Eastern Partnership countries.

Participants might form consortia together to prepare joint proposals for calls under the EU's Horizon 2020 Programme targeted at energy efficiency. A possible call currently open is called "Call H2020 - Energy Efficiency PPP EEB and SPIRE topics" (H2020/calls/h2020-ee-2015-1). The call is open until February 4, 2015.

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## INFORMATION ABOUT THE EDITOR



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