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To: / Copy to: Embassy in Kiev v/ Olav Berstad; UD v/ Stephanie K. Bjøro; National Agency Ecological Investments v/Michail Chizhenko; National Agency Rational Energy Use v/Aleksandr Gricuk	Issued by: Sergei Faschevsky	Location – Date: Oslo -		Page 1 of 7
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	Title: UKR-09/012 Kapasitetsbygging for klimaprojekter i Ukraina			
Participants: Sergei Faschevsky Hans Borchsenius	Regarding: Referat from information seminars in Kharkov and Dnepropetrovsk 25-26 November 2009			

Background

Norsk Energi has been cooperating for few years with the *National Agency for Environmental Investments* (main focal point in Ukraine for implementation of the Kyoto protocol) under the Norwegian-Ukrainian Climate Co-operation Programme (Programme). In recent months, the Programme has been extended by signing a new Memorandum of Understanding with the *National Agency of Ukraine on Ensuring of Efficient Use of Energy Resources Management* to strengthen our focus at projects promoting energy efficiency and renewable energy.

The overall goal of the Norwegian Programme is to contribute to abatement of greenhouse gases in Ukraine through the improved energy efficiency, renewable energy and utilization of environmentally friendly energy sources. The scope of the Programme for 2009-2010 includes the following:

1. A number of Information Seminars on Climate Projects Development conducted in the regions of Ukraine;
2. To perform the second Combined Training and Project Development Programme 'Business Planning of Climate Projects for Project Developers' in one of the regions on Ukraine;
3. Assistance to development and arranging financing for climate projects;
4. Co-operation with energy authorities;
5. Assistance to 1-2 Ukrainian Universities on preparing tuition materials and starting an education course on practical development of climate projects.

Objectives of the Information Seminars

Information Seminar have been arranged in few regions of Ukraine with the purpose to present the Norwegian approach for business planning of climate projects and to inform industries, public authorities and consultants on opportunities to be assisted with the projects development.

The most promising climate project ideas presented at the Information Seminars will be given assistance to complete or update of their project documentation or feasibility studies. This will be done by combining training and projects development.

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In October 2009, the Programme has arranged two Information Seminars at (-) National Agency Rational Energy Use and (-) Doneck Oblast Administration.

Following Information Seminars were arranged last week of November in Kharkov and Dnepropetrovsk.

The Norwegian-Ukrainian Team

The Information Seminars were arranged by Norsk Energi and the Ukrainian partners: Ukrainian Cleaner Technology Centre (CT-Centre) and Dmitriy Laznenko from Sumy State University.

Two other local NGOs have volunteered to facilitate the Information Seminars:

- Corporation Energy Efficiency of Kharkov;
- Energy Alliance of Dnepropetrovsk.

Corporation Energy Efficiency of Kharkov has been established in 2007 by the National Polytechnic University and a group commercial companies as a part of the regional pilot energy efficiency programme. The main mission of the corporation is to mobilize research and development potential of the oblast in order to promote energy efficiency and renewable energy improvements. The Corporation is currently involved in preparation of the integrated energy efficiency plan 2010-2014 for Kharkov Oblast.

Energy Alliance of Dnepropetrovsk has been established in 2008 by more than 15 local organisations and companies in order to promote energy efficiency in industry and housing sector of Dnepropetrovsk region.

Both organisations are willing to assist the Programme in collecting good climate projects ideas and recruiting participants to the future Combined Training and Projects Development Programme. Both have also proposed to host this event in their home cities.

Both Seminars were assisted by the participants of 2008-2009 combined training and projects development programme from Kharkov and Dnepropetrovsk.

Agenda of Information Seminars

Hans Borchsenius from Norsk Energi has presented the Norwegian climate policy developments. Sergei Fashevsky from Norsk Energi has explained methodology of business planning for energy efficiency and renewable energy projects and has presented the Norwegian-Ukrainian Climate Co-operation. Sergei Schevchenko from CT-Centre has introduced the participants in possibilities to arranging carbon financing. Dmitriy Laznenko from Sumy has pointed out criteria for viable projects with good chances of obtaining financing, e.g., technical, institutional and financial.

At both Seminars, our local counterparts have also made presentations of potential projects and relevant regional initiatives and developments.

The detailed programme for the Information Seminars is included in the Annex to this Report.

Information Seminar in Kharkov - 45 participants

Kharkov is one of the major industrial, educational and scientific centres of Ukraine. Local industry, which, to a large extent, consists of large machine-building holdings (aircraft, tanks, tractors, turbines and generators) suffers from the financial crisis and bad market conditions. Energy Efficiency projects and Manufacturing of Renewable Energy installations (wind mills, hydropower turbines) are one of the few options to revitalize local industry and mobilizing intellectual capacities.

Corporation Energy Efficiency of Kharkov has informed the Oblast Administration about the Seminar and the response was very prompt: it was suggested that the Information Seminar should be a top level event in the region.



Presentation by the Programme manager, Sergei Faschevsky at Kharkov Polytechnic University



The Norwegian and local organizers of the Information Seminar at the entrance to Kharkov Polytechnic University

The Information Seminar took place 25 November 2009 at the main auditorium of the Kharkov Polytechnic University. Participants from all major industries, oblast and municipal authorities, as well as university professors and consultants have been present, as well as the TV and press.

Kharkov Governor, Arsen Avakov, in his opening speech, has expressed that the Seminar is an important event for the region. He pointed out that the region has several R&D Centres with innovative energy technologies, but a lack financing is a barrier. This speech has been followed by Mr.Landsman, deputy major of Kharkov and Mr. Tovazhansky, rector of Kharkov Polytechnic University.

The follow-up discussion has included 10 presentations from local specialists on various projects and innovative energy technologies of regional descent, including retrofit of heating systems, wind mills and heat pump projects, reduction of gas leakages in gas mains and compressor stations, conversion to manufacturing of small hydropower turbines, improved energy efficiency in compressor stations and at metallurgical plants, possibilities to implement forestation projects under the Kyoto protocol. The representatives of the Programme have answered several questions, mainly related to business planning of climate projects and obtaining carbon financing.

At the wrap-up meeting, Mr. A.Tuluzov, director of the Corporation Energy Efficiency of Kharkov has stated the Information Seminar in Kharkov was a success. On behalf of the Programme, Norsk Energi has signed a Free-Will (no pay) Memorandum of Understanding with Corporation of Energy Efficiency of Kharkov on co-ordination of activities in Kharkov region.

Information Seminar in Dnepropetrovsk - 34 participants

The Information Seminar took place 26 November 2009 at the main conference hall of Dnepropetrovsk Oblast Administration. It was arranged as a roundtable between representatives of the Programme, Oblast and City Administrations, Energy Alliance, Municipal ESCO, regional energy efficiency centre, public utilities and production companies. Most of the participants have contributed to the Information Seminar with presentations and questions, so that it has taken an entire working day.

Mr.Alexandr Larkin, vice-chairman of the Energy Alliance has presented goal and mission of this NGO towards the energy efficiency. He described the structure of the Municipal ESCO, which accommodates both Municipal funds and a loan from one of the International banks. Afterthat, several proposals on real projects, with the potential for the emissions reduction ranging from 15 000t – 148 000 eCO₂ per year, were presented.

The discussion afterwards has shown that most of the projects have technical description, but suffer from a lack of financing. Another barrier is unclear status of project owners (municipalities). Most of the participants believe that through the co-operation between the Programme, Energy Alliance and Municipal ESCO, a workable solution to move the projects ahead could be found.



Information seminar in Dnepropetrovsk was arranged as a roundtable



Several ad-hoc comments and questions arised at the Information Seminar in Dnepropetrovsk

Concluding the Information Seminar, Mr. Sergei Fashevsky has underlined high potential for the emissions reduction in the municipal sector. Norsk Energi have provided the presented projects with application forms and hopefully some of them would take part in the combined training and project development programme. Mr. Alexandr Larkin, has expressed his hope to enjoy the same level of high interest in co-operation from the local industry. He has also volunteered to distribute and collect the application forms to these and other project owners and consultants from Dnepropetrovsk region.

Comments, proposals and conclusions from the Information Seminars

The Information Seminars was very well received, and the response confirmed that the Programme is needed, timely and useful for Ukraine.

Several comments and proposals were presented on what could be done to further disseminate and spread the Norwegian experiences on climate projects development. Some of them were related to:

- To scale up number of Information Seminars arranged by the Programme;
- To follow-up as many as possible projects;
- To provide more insights in the Norwegian climate policies and technologies;
- More guidance on arranging carbon financing is needed;
- To be a bridge between project owners and financiers to resolve the investment barrier.

Our conclusion is that the level of interest to the Information Seminars is remarkably higher in 2009 than that of in previous years. The same holds to local awareness on the global climate change issues and the 2009 Copenhagen Summit. In each of the regions, we met with local administrations and NGOs having an ambition to be a local focal point for climate mitigation activities and for the Programme. This was not a case in the previous years.

Media coverage

The Information Seminars were attended by newsmakers, which have prepared few articles on the importance of climate issues for Ukraine and the Norwegian Programme:

- Doneck News, <http://novosti.dn.ua/details/99216/>

- Newsletter of Doneck Oblast Administration, <http://www.donoda.gov.ua/main/ru/news/detail/8429.htm>
- Machine building portal of Ukraine, http://www.mashportal.ru/company_news-16372.aspx
- Blog of Kharkov Polytechnical University, <http://www.kpi.kharkov.ua/blogs/News/post/2009/11/26/krst.aspx>
- Newsletter of Ukrainian Industrial Energy Group (UPEK), <http://www.upek.com.ua/2009/november.html?item=1331>

Next Steps for the Norwegian-Ukrainian Co-operation

As a next step, application forms for participation at the combined training and projects development programme will be collected from the participants at Information Seminars and through other channels.

Information on the combined training and projects development programme will be distributed through the National Agency Rational Energy Use and National Agency Ecological Investments, through specialized Ukrainian magazines (ESCO-magazine, Energysaving-magazine, etc) and other sources.

In the period December 2009 – January 2010, all applications will be collected and reviewed. Experience from the Information Seminars suggests us that the number of applications will be formidable, exceed the number of vacant places at the combined training and projects development programme. This puts a challenging task before the Programme team for selecting the most realistic projects.

Launching the website was not included in the initial plan for the Programme, but it seems to be the right moment in Ukraine to launch a website on the climate projects development and the Norwegian experience. Fortunately, our local counterparts have initiated the process of web-designing and Norsk Energi is contributing methodologically to the efforts of the Ukrainian CT-Centre and Sumy University. The web-site will be launched in December 2009 at www.encon.sumdu.edu.ua

In early February 2010, first session of the combined training and projects development programme will be conducted. The place where this programme to be arranged will be selected, based on the assessment of the application forms.

Invitation to Information Seminar - Dnepropetrovsk

26 ноября 2009 года

г. Днепропетровск

При содействии и поддержке Днепропетровской областной администрации

ПРЕЗЕНТАЦИОННЫЙ СЕМИНАР

СОВМЕСТНАЯ НОРВЕЖСКО-УКРАИНСКАЯ

Комбинированная программа разработки проектов и обучения по бизнес-планированию проектов
снижения парниковых выбросов

" Создание потенциала подготовки и реализации климатических проектов в Украине "

В Украине начала свою работу совместная Норвежско -Украинская Программа " Создание потенциала подготовки и реализации климатических проектов в Украине " при поддержке Национального агентства экологических инвестиций Украины. Настоящая Программа финансируется министерством иностранных дел Норвегии и реализуется компанией Norsk Energi (Норвегия). В Днепропетровске партнером и соорганизатором проекта выступает общественная организация «Энергетический Альянс» (Днепропетровск).

Цель презентационного семинара:

получение информации о Норвежско-Украинской Программе, направленной на оказание консалтинговой помощи предприятиям Украины в разработке проектов по снижению выбросов парниковых газов и получении финансирования для проектов или получения дохода от продаж снижения выбросов CO₂.

Норвежско – Украинская Программа по созданию потенциала реализации проектов по смягчению изменения климата.

Основные этапы Программы:

1. Проведение информационных семинаров по разработке проектов по смягчению изменения климата в г. Днепропетровске.

Организация информационных семинаров, на которые приглашаются местные разработчики проектов и представители промышленности, которым будет представлена концепция разработки больших проектов энергоэффективности и возобновляемых источников энергии и различные формы их финансирования.

Участникам будет представлен обзор существующих возможностей Программы, в части оказания помощи по разработке проектов и обучению экспертов. Наши партнеры будут привлечены для проведения презентаций и обсуждений проектных идей и самих проектов, которым в последствии может быть оказана помощь в рамках Программы.

2. Проведение второго комбинированного этапа - обучение – программа разработки проектов – " Бизнес-планирование климатических проектов для их разработчиков".

Обещающие проектные идеи, предложенные на информационных семинарах, будут рассмотрены на предмет соответствия задачам Программы. Для них мы предложим консалтинг и техническую помощь для завершения/дополнения ТЭО или проектной документации, а также завершения/дополнения бизнес-плана.

Это будет сделано в течении комбинированного этапа, задачей которого является:

- разработка бизнес-планов для обещающих проектных идей;
- дальнейшее развитие сети специалистов и разработчиков проектов энергоэффективности и возобновляемых источников, за счет непосредственного контакта на семинарах;
- обучение специалистов по различным аспектам климатических проектов и передача современных средств и методов Норвегии по проектам снижения выбросов CO₂.

3. Практическая помощь в разработке проектной документации и организации финансирования климатических проектов.

Параллельно с обучением, проектам, соответствующим данной категории, будет оказана консалтинговая помощь по составлению проектной документации и детальным расчетам выбросов CO₂, а также представлению проектов на финансирование. Будет также оказана практическая помощь в установлении контактов с финансирующими организациями.

4. Передача информации о современных скандинавских технологиях и политических методах в области энергоэффективности и возобновляемых источников энергии.

Важным элементом норвежского сотрудничества является передача информации о современных скандинавских технологиях и политических методах Скандинавии в области возобновляемых источников энергии и энергоэффективности.

В планы входит поддержание постоянного контакта и диалога с НАЕР и НЕИА по всем вопросам работы Программы и организации информационного взаимодействия.

5. Оказание помощи украинским ВУЗам по подготовке обучающих материалов и началу образовательного курса по практическим аспектам разработки климатических проектов.

Программа также делает акцент на разработке и передаче украинским партнерам пакета методических материалов. Существенным разделом этих материалов станет адаптация к местным условиям руководства Norsk Energi – " Практическое руководство для разработчиков климатических проектов в Украине ". Эта работа будет выполнена в сотрудничестве с ВУЗами Украины. Целью такой работы является формирование обучающего курса для специалистов по разработке и бизнес-планированию этой категории проектов.