



MINISTRY OF ECONOMY AND TRANSPORT  
REPUBLIC OF HUNGARY



ЛЬВІВСЬКА  
ОБЛАСНА ДЕРЖАВНА  
АДМІНІСТРАЦІЯ

## AIDE-MEMOIRE

# Regional Workshop on Renewable Energy in the Carpathians

Collaborative Initiative between UNIDO,  
UNEP Vienna ISCC and  
the Framework Convention on the Protection and Sustainable Development  
of the Carpathians

Supported by

Ministry of Economy of Ukraine, Ministry of Environment of Ukraine, Lviv  
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and  
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## **I. BACKGROUND AND OBJECTIVES OF THE WORKSHOP**

### **1. Background**

The countries of the Carpathian region are to a large extent dependent on the import of external sources of energy, such as natural gas and oil products. Although most of the countries (namely Czech Republic, Hungary, Poland, Romania, Serbia, Slovakia and Ukraine) in the Carpathian region are endowed with diverse energy resources including renewable sources of energy, their energy sectors are characterized by serious constraints which, moreover, differs in the EU and non-EU member countries. At the same time, there is a high potential for the production of renewable energy from various local sources in this region.

Among various renewable sources of energy, biomass and hydropower sources dominate in the Carpathian region. Forests cover most of the area (59.2 %) of the Carpathian Mountains, and include relatively large share of natural and semi-natural forests comprising of coniferous, deciduous and mixed stands. The second largest form of land use in the Carpathian region is agricultural land (27.5 % of the total area). Both of these types of land use form the basis for the development of biomass-based energy technologies. Forestry remains an important economic sector in the Carpathian countries, particularly in Romania, Slovakia and Ukraine. However, significant restructuring of the sector is taking place, including the fragmentation of ownership. In addition, the structure of the agricultural sector is now rapidly being reformed. This includes changes in land ownership and major shifts in traditional land use, even in marginal agricultural areas.

The countries of the Carpathian region have a substantial biomass production potential, and production costs are much lower than in Western European countries. If this potential can be realized, then these countries could contribute to EU targets on bioenergy and renewable energy sources within their overall national energy mix. Conversion of excess croplands to raise profitable energy crop production is regarded as one of the options for addressing several key challenges in the agricultural sector, such as the abandonment of cropland, increased unemployment and depopulation in rural areas.

In recent times, other sources of renewable energy such as wind and solar have also become relevant in specific areas of the Carpathians region. On/off grid energy supply systems based on various renewable sources of energy have already been installed and supported by some of the national and local governments of the region as well as by the European Commission. Although these projects are very relevant and valuable in themselves, a coherent, systematic and regional approach for the introduction of renewable energies in the Carpathian region is still lacking. The underlying project is intended to provide a platform for exchange of practical experiences, policy solutions and acquired knowledge in the field of renewable energy. It would aim at unifying these scattered efforts and promote a coherent approach to renewable energy development in the region.

### **2. Objectives**

#### **i. Development Objectives**

Within the overall objective of promoting renewable energy resources, the workshop is aimed at establishing a viable network between the EU and non-EU countries of the Carpathian region to share knowledge and exchange experiences on the current status, barriers and opportunities to harness vast potential of renewable sources of energy in the region. The network will allow a free flow of information across the interfaces between researches, regional and local authorities, entrepreneurs, and investors of all kind, SMEs, consultants, intermediaries and other actors

The workshop will highlight the benefits, which can be accrued from renewable energy, such as economic development opportunities, environmentally friendly power generation and a beneficial response to the threat of global warming, and will explore a potential of a common strategy of promoting renewable sources of energy in the Carpathian region.

The proposed workshop will stimulate discussions and dialogue on the key role that can be played by renewable energy in enhancing energy security in the Carpathian region, specifically from the point of view of policy, institutional and investment concerns. Special focus will be given to the development of bio-energy as it has the largest potential in the Carpathian region.

The workshop will address key issues in two parts – in the first part, the current situations of renewable energy in the Parties to the Carpathian convention will be illustrated and positive developments as well as possible shortcomings of the national policies and strategies discussed. The national participants from the Carpathian Convention member states will be asked to present the experiences in their countries. In the second part, possibilities for future cooperation and agreements will be addressed and discussed. During the second part, inputs from experts and organizations on significant topics (such as policy and financing) will be provided to support the cooperation process.

Finally, a discussion on the proposed regional programme of cooperation will be facilitated.

Making use of lessons learnt and experience gained with renewables in Europe and elsewhere, the workshop will examine how bottlenecks related to policies and regulation, financing and markets can be addressed so that the region's renewables potential could be realized to enhance energy security. The workshop will bring together high-level decision makers to provide visible leadership and commitment to a common strategy as a part of major outcome for scaling up renewables in the Carpathian region.

Specifically, the workshop will have the following key objectives:

- Identify and agree on enabling policy and regulatory environments that would stimulate market led dissemination of renewables in the region;
- Examine renewable energy markets in the region with a view to establish emerging niches, public-private partnership models that have delivered and identify opportunities that would stimulate investments; and
- Identify capacity needs that will support the functionality of renewable energy development and strengthening of institutional framework and markets.

## **ii. Outputs**

**The expected outputs** from the workshop include the following:

- Preparation of a base-line report on Renewable Energy policies and financial instruments in the EU and non-EU member countries of the Carpathian Convention;
- Identification of a regional cooperation programme to promote renewable energy development, and
- Promotion of a regional level renewable energy partnership/network of institutions and agencies involved in renewable energy to strengthen regional cooperation in the field of renewable energy.

## **II. ORGANIZATION OF THE REGIONAL WORKSHOP**

### **1. Date and venue**

The Regional Workshop on Renewable Energy in the Carpathian Mountains will be held from 6 to 7 May 2008 in Lviv, Ukraine.

#### **MEETING VENUE:**

Big Conference Hall of the Lviv State Regional Administration  
Room 257  
18, Volodymyr Vynnychenko Str.  
Lviv

### **2. Organization of the Workshop**

Two issue papers on “Policy” and “Financing Aspects” for the development of renewable energy in the Carpathian region will be commissioned in advance. The papers will seek to highlight the key features and implementation strategies for further discussion at the workshop.

These papers will be complimented by short summaries from each contributing country, with a particular focus on policy and financing issues, including best practices and lessons learned. Participating governments will be asked to designate national experts to present this information in the form of a short presentation during the workshop according to the established outline.

The meeting documents, including the abovementioned presentation outline, will be posted on the following webpage, established for the Workshop:  
**<http://www.unido.org/energy/carpathians>**.

For the implementation of the proposed project, UNIDO will work closely with the Regional State Authority of the Lviv Region and will make use of its capacity during preparation and organisation.

Furthermore, the Ministry of Environment, the Ministry of Economy and the Ministry of Energy of Ukraine, which are in charge of renewable energy issues in Ukraine, will be partner institutions during the organisation of the workshop.

#### **PROFILE OF PARTICIPANTS**

The workshop is expected to bring together 40-50 participants. It is expected that the invited participants would represent the following stakeholder groups:

1. Senior level officials and planners from the Governments of the Carpathian Convention countries (e.g. Ministry of Energy, Ministry of Environment, Energy Agency in charge of renewable energy programme development and implementation);
2. Experts representing research institutions, SMEs and private sector companies, universities, NGOs and research institutions active in the area of renewable sources of energy;
3. Carpathian Convention Focal Points and observers;
4. Participants from the multi/bilateral agencies and organizations.

### **3. Registration of Participants**

Each designated participant will be requested to confirm participation by sending a completed registration form via fax and/or e-mail. The registration form is attached to this aide-memoire. The full name, organization, title and contact address of each participant should be clearly indicated in confirmation message.

### **4. Financial arrangements**

Upon designation of national participants from the countries of the Carpathian Convention, UNIDO will invite and provide financial support to two participants from each of the seven member countries (one expert from the government institution and one representative from the scientific institution / NGO).

Additionally, as a part of the workshop preparations, resource persons & experts, who will be invited to prepare key presentations or lead the discussions, will be provided funding to cover their travel, boarding & lodging and professional time.

The financial and administrative arrangements for the participants whose participation is covered by UNIDO will be made in accordance with UNIDO's rules and regulations. No further claims will be considered. UNIDO will cover/reimburse those participants with the following:

- a. A daily subsistence allowance (DSA), to cover the costs for the hotel accommodation at Lviv, including breakfast, lunch and dinner for a maximum of two days (119 EUR per day in accordance with the standard UN rate).
- b. Roundtrip air ticket economy class to Lviv, Ukraine, and back. Participants should provide the flight reservations, booking classes, applicable airfare including taxes and handling fees, if applicable, to UNIDO and await formal travel authorization. Under no circumstances participants purchase their own ticket without such authorization.
- c. Terminals (in accordance with the standard UN rate).

UNIDO and the co-organizers will not assume responsibility for any other expenditure in connection with the participants' attendance of the Workshop; including but not limited to:

- Costs incurred by participants with respect to private local travel, any insurance, medical bills and hospitalization fees;
- Incidental costs incurred with travel, e.g. passport, visas, private stop-over;
- Compensation in the event of death, disability or illness;
- Loss or damage to personal property;
- Purchase of personal belongings and compensation for damage caused to them by climatic and other conditions.

UNEP Vienna ISCC will invite and support up to seven Carpathian Convention Focal Points (one from each country) and observers (up to three) and UNEP staff (up to three).

The financial and administrative arrangements for the participants whose participation is covered by UNEP Vienna ISCC will be made in accordance with UN rules and regulations which allow for the same provisions as mentioned above.

### **5. Accommodation and transport**

International Participants are expected to leave their home countries/duty stations in time to arrive in the Ukraine by evening of 5 May 2008.

The organizers will not be financially responsible for earlier arrivals of the participants or late departures after the workshop due to personal reasons or failure to obtain confirmed tickets.

The organizers will arrange transfer of the participants upon receiving the registration forms with the arrival-departure details.

Grand Hotel, located in the city centre, has been booked for the participants of the workshop. The discount price of the hotel is around EUR 82 /night. The hotel provides breakfasts included in the room rate. Additional facilities, like restaurants, bars, swimming pool, jakuzzi are available at the hotel.

Transportation from the Grand Hotel to and from the workshop venue will be provided by the organisers. For more information on the hotel, please visit its website: <http://www.ghgroup.com.ua/index.htm>

Another hotel located in the city centre is Opera Hotel (see <http://www.hotel-opera.com.ua>).

## **6. Working languages**

The Regional Workshop will be conducted in English. The simultaneous Ukrainian-English and English-Ukrainian translation will be provided.

## **7. Visa Arrangements**

Before leaving their home countries, international participants should complete all formalities regarding entry and transit visas or travel permits that may be required for travel to Ukraine and the return journey to their home countries or duty stations. For overview of visa requirements for Ukraine, please visit the official web site of the Ministry of Foreign Affairs of Ukraine: <http://www.mfa.gov.ua/mfa/en/publication/content/1865.htm>.

Please note, that citizens of the countries of the European Union do not need visa to enter Ukraine.

## **8. Information on Lviv and Lviv region**

Lviv (Lvov, Lwow, Loewenburg, Lemberg, Leopoldis) - is the city in Western Ukraine. Its population is approximately 800.000. It was founded in the middle of the 13th century by Prince Danylo Galytskyi, and named after his son Leo ("Lion") Leopoldis.

In different periods of its existence Lviv was a part of Poland, Austro-Hungarian Empire, Russian empire and USSR. Since 1991 it is a part of the independent Ukraine.

There is a great number of places having historical, architectural and religious importance (some of them belong to the 13th century), there are more than 30 museums of history, ethnography, arms and art galleries. Lviv has always been a significant educational center of Eastern Europe - Ivan Franko National University, Lvivska Politekhnik University and other higher educational establishments are located there.

In 1998 the historical center of Lviv was included into the "List of World Cultural and Natural Heritage of UNESCO". We can name just a few places of historical importance: Rynok ("Market") square of Renaissance style (the 16-18th century); Armenian Cathedral (the 14th

century); The Latin Cathedral (the 15th century); The Boim's Chapel (the 17th century); Renaissance ensemble of the Church of the Assumption (the 16th century); The Church of Body of Christ of the Dominican Order (the 18th century); St. George Cathedral (the 19th century); Lviv Opera House (the 19th century); Stryj park (founded in 1887). A lot of ancient fortification and religious buildings are situated around Lviv - Olesko castle, Pidgirtsi castle. Not far from Lviv there are balneology centers in Truskavets, Morshyn and Skhidnytsia, ski-centers in Slavsko and Tysovets.

## **9. City Tour and Welcoming Dinner**

After the first day sessions, the organizers will arrange for the 2 hour guided city tour. The city tour will take place on 6 May 2008 and will be followed by the welcoming dinner.

A welcoming dinner for 50 persons will be organised on 6 May 2008 in the restaurant “Videnska Kava” at 20:00.

## Contact Persons

For further inquiries please contact the following persons:

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