



**LVIV POLYTECHNIC
NATIONAL UNIVERSITY**

<http://lp.edu.ua>



**International Institute for
Applied Systems Analysis**

<http://www.iiasa.ac.at>



**SYSTEMS RESEARCH
INSTITUTE
Polish Academy of Sciences**

<http://www.ibspan.waw.pl>

3rd International Workshop on Uncertainty in Greenhouse Gas Inventories

LPNU, Lviv, Ukraine

22 – 24 September 2010

CALL FOR PAPERS

(First Circular)

The assessment of greenhouse gases (GHGs) emitted to and removed from the atmosphere is high on both political and scientific agendas internationally. Under the United Nations Framework Convention on Climate Change (UNFCCC), parties to the Convention have published national GHG inventories, or national communications to the UNFCCC, since the early 1990s. Methods for proper accounting of human-induced GHG sources and sinks at national scales have been stipulated by institutions such as the Intergovernmental Panel on Climate Change (IPCC) and many countries have been producing national assessments for well over a decade. However, as increasing international concern and cooperation aim at policy-oriented solutions to the climate change problem, a number of issues have begun to arise regarding verification and compliance under both proposed and legislated schemes meant to reduce the human-induced global climate impact.

The issues of concern at the *International Workshops on Uncertainty in Greenhouse Gas Inventories* – the [1st Workshop](#) was held on September 24-25, 2004, in Warsaw, Poland; and the [2nd Workshop](#) on September 27-28, 2007, in Laxenburg, Austria – are rooted in the level of confidence with which national emission assessments can be performed, as well as the management of uncertainty and its role in developing informed policy. The Workshops cover state-of-the-art research and developments in accounting, verifying and trading GHG emissions and provide a multidisciplinary forum for international experts to address the methodological uncertainties underlying these activities. The topics of interest center around national GHG emission inventories, bottom-up versus top-down emission analyses, signal processing and detection, verification and compliance, and emission trading schemes.

In a follow-up workshop, jointly organized by the Austrian-based [International Institute for Applied Systems Analysis](#), the [Systems Research Institute of the Polish Academy of Sciences](#), and the [Lviv Polytechnic National University](#) in Ukraine international experts are invited to address uncertainty concerning, but not limited to:

TOPICS

- Achieving reliable national GHG inventories
- Accounting emissions across spatial scales (project, national, regional/continental)
- Bottom-up versus top-down emission analyses
- Detecting and analyzing emission changes
- Reconciling short-term commitments and long-term targets
- Verification and compliance
- Trading emissions
- Communicating, negotiating and effectively using uncertainty.

The Workshop will provide a multidisciplinary forum to intensively discuss these and related questions and their state-of-the-art. It is of specific interest to policymakers, scientists and other experts. Special attention will be given to translating scientists' understanding of uncertainty into options of use for policy makers to consider uncertainty in frameworks of negotiating climate change.

SCIENTIFIC COMMITTEE (as of November 2009)

Chairmen:

Rostyslav Bun (Lviv Polytechnic National University, Ukraine)
Zbigniew Nahorski (Polish Academy of Sciences, Poland)

Members:

Yuri Ermoliev (International Institute for Applied Systems Analysis, Austria)
Evgueni Gordov (Siberian Center for Environmental Research & Training, Russia)
Giacomo Grassi (Joint Research Centre, Institute for Environment and Sustainability, Italy)
Mykola Gusti (Lviv Polytechnic National University, Ukraine)
Khrystyna Hamal (Lviv Polytechnic National University, Ukraine) - Secretary
Olgierd Hryniewicz (Polish Academy of Sciences, Poland)
Matthias Jonas (International Institute for Applied Systems Analysis, Austria)
Gregg Marland (Environmental Sciences Division, Oak Ridge National Laboratory, USA)
Sten Nilsson (International Institute for Applied Systems Analysis, Austria)
Krzysztof Olendrzyński (National Emission Centre, Poland)
Astrid Olsson (United Nations Framework Convention on Climate Change)
Jaishankar Pandey (National Environmental Engineering Research Institute, India)
Jean-Daniel Paris (Laboratoire des Sciences du Climat et de l'Environnement, France)
Ariel Macaspac Penetrante (International Institute for Applied Systems Analysis, Austria)
Stefan Pickl (Universität der Bundeswehr München, Germany)
Anatoly Shvidenko (International Institute for Applied Systems Analysis, Austria)
Jochen Theloke (IER University of Stuttgart, Germany)
Isabel van den Wyngaert (Centre of Ecosystems, Alterra, The Netherlands)
William I. Zartman (John Hopkins University, USA)

ABSTRACT SUBMISSION

Deadline: 1 April 2010

Authors are invited and encouraged to submit abstracts for the Workshop.

Maximum one-page (A4) abstract should be submitted electronically to ghg2010@ghg.org.ua by the deadline. All abstracts must be written and submitted in English (official Workshop language). Please use 12pt Times New Roman font and single spacing for the abstract and submit in .doc format. Authors of accepted abstracts will be notified in writing by **30 April 2010**.

PUBLICATIONS

The authors of accepted abstracts will be invited to deliver short papers of 5-8 pages (A4) to be published in the Workshop Proceedings. The deadline for the submission of short papers is **15 July 2010**.

Short papers presented at the 3rd Workshop may be selected for publication in a peer-reviewed international journal. Authors of selected papers will be invited to extend their papers after the Workshop. Details of which are forthcoming.

The extended papers based on the 1st Workshop are published in a special issue of Springer's *Water, Air & Soil Pollution: Focus* (WAFO) journal as well as a separate book by the same publisher titled *Uncertainty in Greenhouse Gas Inventories: Verification, Compliance and Trading* (<http://www.iiasa.ac.at/Admin/INF/recent-pubs/for/acc/index.html>). The extended papers based on the 2nd Workshop are forthcoming in a special issue of *Climatic Change*.

IMPORTANT DATES

1 April 2010	Deadline for abstract submission
30 April 2010	Notification of abstract acceptance
15 July 2010	Deadline for short paper submission Deadline for early-bird registration
22-24 September 2010	Workshop dates

VENUE

Lviv Polytechnic National University
St.Bandery 12
79013 Lviv, Ukraine
<http://lp.edu.ua/index.php?id=33&L=2>

REGISTRATION FEE

A registration fee of 250 Euro per person is required. The fee covers participation, proceedings, coffee breaks, lunches, and a social dinner event. A fee of 100 Euro is required for accompanying persons and covers all of the above except the Workshop proceedings.

Payment before 15 July 2010	Payment after 15 July 2010	Accompanying persons
250 Euro	300 Euro	100 Euro

Banking Information will be specified.

ACCOMMODATION

We have reserved rooms at two hotels in Lviv. Rooms will be available on a 'first come first serve' basis. Room rates include breakfast & taxes.

Make your own reservation latest by 1st August 2010. Rooms and/or room rates cannot be guaranteed after the reservation deadline.

At room reservation/s please give your credit card number & expiration date AND quote the following code "GHG-2010".

Hotel	Economy Double room	Standard Double room	Superior Double room
Hotel Dnister	UAH 500 (Euro 42)	UAH 600 (Euro 50)	UAH 850 (Euro 71)
Hotel Opera	UAH 800 (Euro 67)	UAH 1050 (Euro 88)	UAH 1200 (Euro 100)

It is recommended to make your reservation via email instead of directly on the respective hotel's internet site, as these are specially negotiated rates for the Workshop.

Hotel coordinates:

Hotel Dnister

79000, Lviv, Mateyka St. 6

Tel.: +38 032 297 43 17, +38 032 297 43 26

Email: bron@dnister.lviv.ua

Web page: <http://www.dnister.lviv.ua/>

Local transportation to Hotel Dnister

From the airport: take the trolleybus #9 to Ustyianovycha str. The stop is situated between LPNU and the hotel and is just few walking from either. A taxi from the airport to the hotel will cost appr. Euro 6.

From the railway station: the railway station is very close to the hotel. A taxi will cost appr. Euro 2-3.

Hotel Opera

79000, Lviv, Svobody Avenue 45

Tel.: +38 032 225 90 00; fax: +38 032 225 90 01

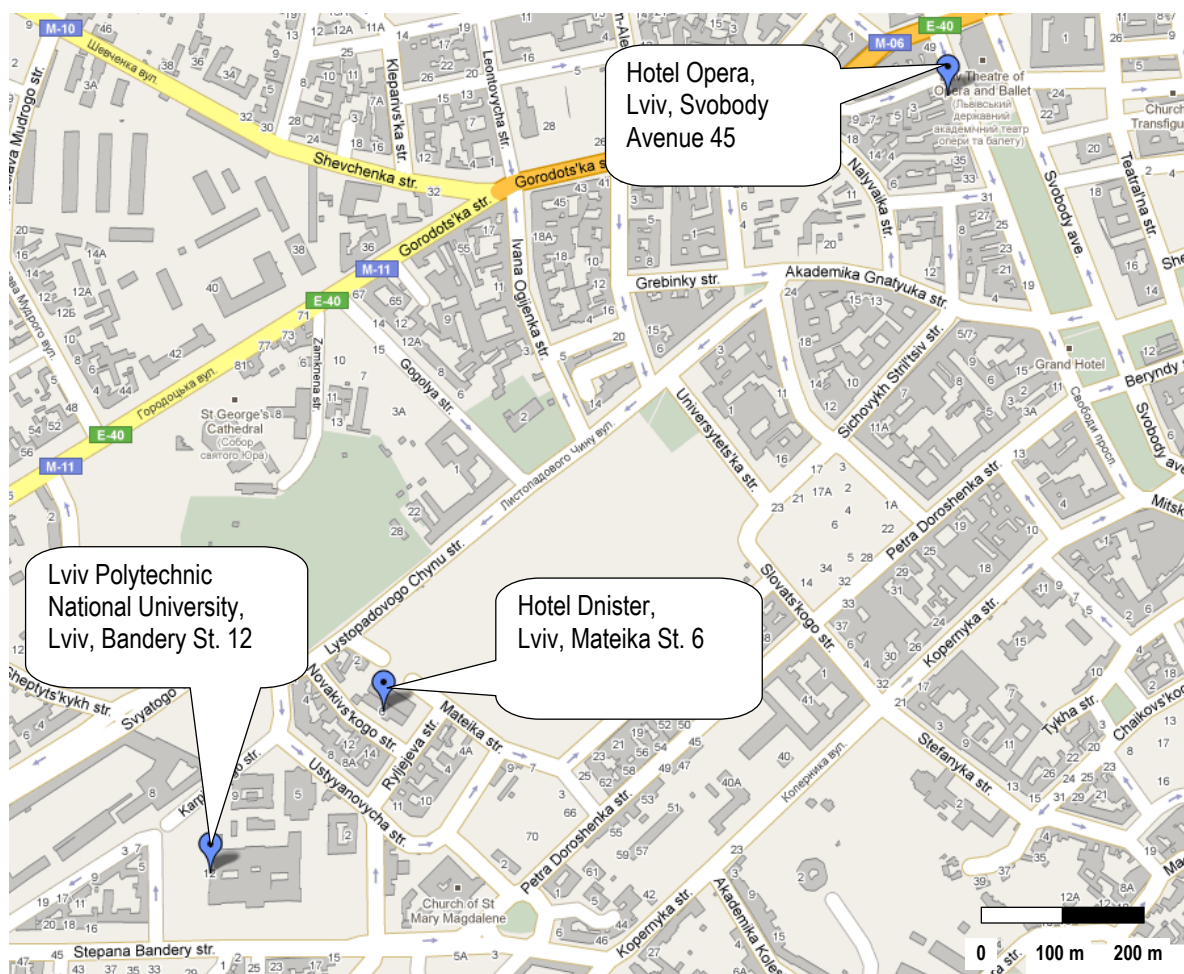
E-mail: reception@hotel-opera.lviv.ua

Web page: <http://www.hotel-opera.lviv.ua/>

Local transportation to Hotel Opera

From the airport: Take the bus #95 and get off at the Lviv Theatre of Opera and Ballet, which is opposite to the hotel. A taxi from the airport to the hotel will cost appr. Euro 6-7.

From the railway station: Take bus #66 and get off at the Lviv Theatre of Opera and Ballet, which is opposite to the hotel. A taxi will cost appr. Euro 3-4.



Getting to LPNU:

Hotel Dnister is within 5 min. walking distance from the LPNU. And the Hotel Opera is within 15-20 min. walking distance.

REGISTRATION

Registration will take place on Wednesday, 24 September before the Workshop starts.

LUNCHES AND DINNER, CULTURAL PROGRAM

Lunch will be available on the days of the Workshop.

There will be a social event dinner on Wednesday evening at an Ukrainian-style restaurant near Lviv.

The special cultural program will be proposed for the Workshop participants after working hours (walking- tour in the city center, opera, and concerts).

For those arriving before and staying after the meeting and would like to do some sightseeing or take part in Lviv events, please see the web-sites below. Tours are also available directly with the hotel reception.

To find out more about Lviv visit the following web sites:

<http://www.lviv.ua/en/>

<http://lviv.biz/en>

<http://www.inlviv.info/home/>

<http://www.guide.lviv.ua/eng/>

<http://www.lvivbest.com/en/photos>

<http://www.galleryua.com/en/fotogallery/Lviv/>

<http://www.leopolis.lviv.net/eng/index.htm>

For Cultural Events going on in Lviv please see:

<http://www.lviv.ua/en/>

<http://www.inlviv.info/home/>

- *Please note: Ticket reservations must be made directly by the participant as payment is required at the time of booking with a valid credit card.*
- *Reservation and payment information is available on the respective internet sites and can be made by (by telephone, email or fax).*

SECRETARIAT

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Please check our web page for continual updates: <http://ghg.org.ua/>

We look forward to your abstract submissions and seeing you at the Workshop at LPNU in September 2010.