



Lviv Polytechnic
National University



INTERNATIONAL
INSTITUTE FOR APPLIED
SYSTEMS ANALYSIS



SYSTEMS RESEARCH
INSTITUTE
Polish Academy of Sciences

3rd International Workshop on Uncertainty in Greenhouse Gas Inventories

Lviv, September 22-24, 2010

PROGRAM

Wednesday, 22 September 2010

08:00-09:15	Registration	
09:30-09:50	Official Opening Yurii Bobalo, Rostyslav Bun, Zbigniew Nahorski, Bohdan Matolych	
	<u>Plenary Session</u> (Assembly Hall) Chairperson: Rostyslav Bun	
09:50-10:20	<u>Matthias Jonas</u> , Volker Krey, Fabian Wagner (IIASA, Austria), Gregg Marland (USA), Zbigniew Nahorski (Poland) <i>Dealing with uncertainty in greenhouse gas inventories in an emissions constrained world</i>	
10:20-10:50	<u>Gregg Marland</u> (USA) <i>The U.S. NRC report on monitoring and verification of national greenhouse gas emissions inventories</i>	
10:50-11:20	<u>Anatoliy Shvidenko</u> (IIASA, Austria) <i>Planning carbon management in boreal forests under uncertainty</i>	
11:20-11:40	Coffee break	
	<u>Energy Section</u> (Assembly Hall) Chairperson: Peter Rafaj	<u>General/Policy Section</u> (Room 204) Chairperson: Matthias Jonas
11:40-12:00	<u>Dieter Cuypers</u> , Tom Dauwe, Kristien Aernouts, Ils Moorkens, Johan Brouwers (Belgium) <i>Comparison between energy and emission data reported under the ETS and energy balance and greenhouse gas inventory of Flanders</i>	<u>Philippe Ciais</u> , Léonard Rivier, <u>Jean-Daniel Paris</u> (France) <i>ICOS: a new research infrastructure for the monitoring of greenhouse gases' budget over Europe</i>
12:00-12:20	<u>Nina Uvarova</u> (Russian Federation) <i>The improvement of greenhouse gas inventory as a tool for reduction of emission uncertainties for oil activities in Russia</i>	<u>Olgierd Hryniewicz</u> , <u>Zbigniew Nahorski</u> , Joanna Horabik (Poland), Matthias Jonas (IIASA, Austria) <i>Compliance for uncertain inventories: Yet another look?</i>
12:20-14:00	Lunch	

	<p style="text-align: center;"><u>LULUCF&Agriculture Section</u> (Assembly Hall) Chairpersons: Viorel Blujdea, Mykola Gusti</p>	
14:00-14:20	<p><u>Viorel Blujdea</u>, Giacomo Grassi, Roberto Pilli (Italy) <i>Estimating the uncertainty of the EU 15 forest CO2 sink</i></p>	<p><u>Myroslava Lesiv</u>, Andriy Bun, Mykola Medykovsky (Ukraine) <i>Uncertainties of results of GHG inventories: Europe 2020</i></p>
14:20-14:40	<p><u>Vyacheslav Kharuk</u>, Maria Dvinskaya, Sergey Im (Russian Federation) <i>The potential impact of CO₂ and air temperature increases on krummholz's transformation into arborescent form in the southern Siberian Mountains</i></p>	<p><u>Rodolfo Rubén Salassa Boix</u> (Spain) <i>The government mechanisms of environmental protection</i></p>
14:40-15:00	<p><u>Kwang-IL Tak</u>, Hyeon-Kyu Won, Kyeonghak Lee, Man-Yong Shin (Korea) <i>Uncertainties of forest carbon accounting with an international application of the carbon budget model for Canadian forest sector (CBM-CFS): South Korean case</i></p>	<p><u>Dhari Al Ajmi</u> (Kuwait) <i>Climate Change in the Gulf Countries – Situation and Reactions</i></p>
15:00-15:20	<p><u>Mykola Gusti</u> (Ukraine; IIASA, Austria) <i>Uncertainty of BAU emissions in LULUCF sector: Sensitivity analysis of the Global Forest Model</i></p>	<p style="text-align: center;">Coffee break</p>
15:20-15:30	<p style="text-align: center;">Coffee break</p>	<p style="text-align: center;"><u>Spatial Inventories Section</u> (Room 204) Chairperson: Khrystyna Hamal</p>
15:30-15:50	<p><u>Ivan Lakyda</u> (Ukraine) <i>Peculiarities of sequestered carbon assessment in urban forests of Kyiv</i></p>	<p><u>Balendra Thiruchittampalam</u>, Jochen Theloke, Melinda Uzbasich, Rainer Friedrich (Germany) <i>Analysis and comparison of uncertainty assessment methodologies for high resolution GHG emission models</i></p>
15:50-16:10	<p><u>Lyubov Lebed'</u> (Kazakhstan) <i>Reducing uncertainties in GHG inventory using modern agricultural lands monitoring systems</i></p>	<p><u>Joanna Horabik</u>, Zbigniew Nahorski (Poland) <i>Improving resolution of spatial inventory with a statistical inference approach</i></p>
16:10-16:30	<p><u>Jean P. Ometto</u>, Ana Paula Dutra Aguiar, Carlos A. Nobre (Brazil) <i>Reducing uncertainties on carbon emissions from tropical deforestation: Brazil Amazon study case</i></p>	<p><u>Verstraete Jörg</u> (Poland; Belgium) <i>Using a fuzzy inference system for the map overlay problem</i></p>
16:30-16:40	<p style="text-align: center;">Coffee break</p>	<p style="text-align: center;">Coffee break</p>
16:40-17:50	Retreat for Summaries	
18:00-18:50	Concert of organ music for Workshop participants (Lviv Organ and Chamber Music Hall)	
19:00-	Dinner (Restaurant "Golden Wild Boar")	

Thursday, 23 September 2010

<p style="text-align: center;"><u>Plenary Session</u> (Assembly Hall) Chairperson: Matthias Jonas</p>																	
09:30-10:00	<p><u>Khrystyna Hamal (Boychuk)</u>, Rostyslav Bun, Nestor Shpak, Olena Yaremchyshyn (Ukraine) <i>Spatial cadastres of GHG emissions: Accounting for uncertainty</i></p>																
10:00-10:30	<p><u>Paris J.D.</u>, Ciais P. (France), Marland G. (USA), Peylin P., Pregger T., Scholz Y. (France), <i>Fossil fuel emission uncertainties in the European carbon balance</i></p>																
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10:40-11:10	<p><u>Peter Rafaj</u>, Markus Amann (IIASA, Austria), Henning Wuester (UNFCCC, Germany) <i>Changes in European Air Emissions 1970 – 2010: decomposition of determining factors</i></p>																
11:10-11:40	<p><u>Jos G.J. Olivier</u> (The Netherlands), John A. van Aardenne (Italy, Denmark), Suvi Monni, Ulrike M. Döring (Italy), Jeroen A.H.W. Peters (The Netherlands), Greet Janssens-Maenhout (Italy) <i>Application of the IPCC uncertainty methods to EDGAR 4.1 global greenhouse gas inventories</i></p>																
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14:40-15:00	<u>George Magalhães</u> , Francisco do Espirito Santo Filho, João Wagner Alves, Matheus Kelson, Roberta Moraes (Brazil) <i>Reducing the uncertainty of methane recovered (R) in greenhouse gas inventories from waste sector and of adjustment factor (AF) in landfill gas projects under the clean development mechanism</i>	<u>Olga Diukanova</u> (Italy), Igor Liashenko (Ukraine) <i>Addressing uncertainties of GhG emission abatement in Ukraine</i>
15:00-15:10	Coffee break	Coffee break
15:10-16:30	Retreat for Summaries	
16:30	Presentation of Summaries and Overall Summary (Assembly Hall) Chairperson: Gregg Marland	
17:30	Lviv center: walking tour (optional)	

Friday, 24 September 2010

Preliminary program for the Negotiations Day at the Uncertainty Workshop

The idea is to help the scientists to understand the conditions under which policymakers operate at climate negotiations and needs of the policymakers in scientific data.

	<u>Negotiations Day</u> (Room 204) Chairperson: Zbigniew Nahorski	
08:45-09:00	Welcome Remarks	
09:00-09:30	Ariel Macaspac Penetrante (IIASA, Austria) <i>International negotiations – experiencing the process</i>	
09:30-10:00	Natalie Kushko (Ukraine) <i>Intergovernmental negotiating process: theory and reality</i>	
10:00-10:20	Introduction and instructions for the negotiations simulation	
10:20-10:30	Coffee break	
10:30-12:40	Simulation of negotiations (breaks are included in the game)	
12:40-13:00	Coffee break	
13:00-14:00	Evaluation and Discussion	
14:00-14:15	Closing of the Workshop	
18:00-19:30	Lviv National Academic Theatre of Opera and Ballet (optional) One act ballets: Francesca da Rimini; Walpurgis's Night	