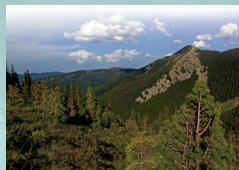




Science for the Carpathians



FORUM CARPATICUM 2014

Local Responses
to Global Challenges

September 16 – 18, 2014
Lviv, Ukraine

www.forumcarpaticum.org



CONFERENCE PROGRAMME



Front page design: Elżbieta Laszczak, Dominik Kaim, Katarzyna Ostapowicz, Ihor Dykyy
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FORUM CARPATICUM 2014

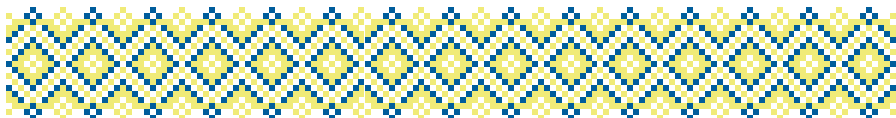
Local Responses to Global Challenges

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CONFERENCE PROGRAMME

Science for the Carpathians



PROGRAMME OVERVIEW

Monday, September 15

Workshop How to write scientific papers? 16:00-18:00 University Hotel	Registration 16:00-21:00 University Hotel
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Tuesday, September 16

Registration 7:30-9:30 Franko University			
Opening Session 9:30-11:00 Assembly Hall, Franko University			
Coffee Break 11:00-11:45		Side event Tastes of the UA Carpathians	
Thematic Session 1 Forest Ecology I 11:45-13:30 Room 1, House of Scientists	Workshop 1 WWF: Ecological Connectivity 11:45-13:30 Assembly Hall, Franko University	Thematic Session 2 Climate-Water-Landforms-Soil 11:45-13:30 Room 2, House of Scientists	Side event Meeting of the Group on the Caucasus Region Room 3, House of Scientists
Lunch 13:30-14:45			
Plenary Session 1 Ecosystem Services and Land Use Change 14:45-16:00 Assembly Hall, Franko University			
Coffee and Posters 16:00-16:45			
Thematic Session 3 Ecosystem Services & Sustainable Forest Management 16:45-18:30 Room 1, House of Scientists	Thematic Session 4 Land Use/Land Cover Change 16:45-18:30 Assembly Hall, Franko University	Workshop 2 CARPIVIA/ Carpathian Convention: Adaptation to Climate Change 16:45-18:30 Room 2, House of Scientists	
Conference dinner 19:30-22:30			

Wednesday, September 17

<div>Plenary Session 2</div> <div>Climate Change and Extreme Events</div> <div>9:00-10:30</div> <div>Assembly Hall, Franko University</div>			<div>Side event</div> <div>Meeting of the Group on the Caucasus Region</div> <div>Room 3, House of Scientists</div>
<div>Coffee and Posters</div> <div>10:30-11:15</div>			
<div>Thematic Session 5</div> <div>Forest Ecology II</div> <div>11:15-13:00</div> <div>Room 1, House of Scientists</div>	<div>Thematic Session 6</div> <div>Biodiversity I</div> <div>11:15-13:00</div> <div>Assembly Hall, Franko University</div>	<div>Thematic Session 7</div> <div>Smart Mountains I</div> <div>11:15-13:00</div> <div>Room 2, House of Scientists</div>	
<div>Lunch</div> <div>13:00-14:15</div>			
<div>Plenary Session 3</div> <div>Natural and Cultural Heritage</div> <div>14:15-15:45</div> <div>Assembly Hall, Franko University</div>			
<div>Coffee and Posters</div> <div>15:45-16:30</div>			
<div>Workshop 3</div> <div>WWF: Old Growth Forests</div> <div>16:30-18:00</div> <div>Room 1, House of Scientists</div>	<div>Thematic Session 8</div> <div>Biodiversity II</div> <div>16:30-18:00</div> <div>Assembly Hall, Franko University</div>	<div>Thematic Session 9</div> <div>Smart Mountains II</div> <div>16:30-18:00</div> <div>Room 2, House of Scientists</div>	
<div>Lviv Down-Town Bus Tour (Starts/ends on Rynok Square)</div> <div>19:00-20:00</div>			

Thursday, September 18

Plenary Session 4 Smart Mountains 9:00-10:30 Assembly Hall, Franko University
Coffee Break 10:30-11:00
Closing Session 11:00-12:30 Assembly Hall, Franko University

DETAILED PROGRAMME

Plenary Sessions

(all in the Assembly Hall, Franko University)

Tuesday, September 16

Opening Session

9:30-11:00

Chairs: **Ivan Kruhlov** (Ivan Franko National University of Lviv, Ukraine)

Bohdan Prots (WWF and State Museum of Natural History, National Academy of Sciences of Ukraine)

Welcoming addresses

Presentations:

Luboš Halada (Chair of the S4C Scientific Steering Committee; Institute of Landscape Ecology, Slovak Academy of Sciences)

Harald Egerer (Head of the Interim Secretariat of the Carpathian Convention, UNEP Vienna)

Science and Policy in the Carpathians

Keynote lecture:

Jörg Balsiger (University of Geneva, Switzerland)

Bernard Debarbieux, Jörg Balsiger, Dusan Djordjevic, Simon Gaberell, Gilles Rudaz

Scientific collectives in region-building processes

Plenary Session 1

Ecosystem Services and Land Use Change

14:45-16:00

Chair: **Andrzej Bytnerowicz** (USDA Forest Service)

Presentations:

Maria Nijnik (The James Hutton Institute, UK)

Maria Nijnik, Anatoliy Nijnik, David Miller. **Exploring challenges to sustainability in provision of ecosystems services by upland forests in Scotland and Ukraine**

Magdalena Main-Knorn (German Aerospace Center)

Magdalena Main-Knorn, Patrick Hostert. **Forest biomass distribution and its loss between 1985 and 2010 in the Western Carpathians**

Filippo Favilli, Christian Hoffmann, Marianna Elmi, Elisa Ravazzoli, Maria Chiara Alberton, Thomas Streifeneder (EURAC Research, Italy). **The BioREGIO Carpathians project: methodology and results from the “Connectivity and Continuum” analysis**

Plenary Session 2
Climate Change and Extreme Events

9:00-10:30

Chair: **Bartolomiej Wyżga** (*Institute of Nature Conservation, Polish Academy of Sciences*)

Presentations:

Saskia E. Werners (*Wageningen University and Research Centre*)

Saskia E. Werners, Ernst Bos, Kristijan Civic, Orieta Hulea, Aleksandra Kovbasko, Eddy Moors, Ilse Van De Velde Henk Zingstra. **Carpathian integrated assessment of vulnerability to climate change and adaptation measures**

Andrzej Bytnerowicz (*USDA ForestService, USA*)

Understanding distribution of air pollution and atmospheric deposition in complex mountain terrain

Joanna Zawiejska (*Pedagogical University of Kraków, Poland*)

Joanna Zawiejska, Hanna Hajdukiewicz, Bartłomiej Wyżga, Paweł Mikuś, Artur Radecki-Pawlik. **Changes to channel morphology and physical habitats for river biota, and infrastructure damage caused by a major flood on the Biała River, Polish Carpathians**

Henk Zingstra (*Wageningen UR, the Netherlands*)

Local level resilience as a prerequisite for climate change adaptation

Plenary Session 3
Natural and Cultural Heritage

14:15-15:45

Chair: **Bohdan Prots** (*WWF and State Museum of Natural History, National Academy of Sciences of Ukraine*)

Presentations:

Owen Mountford (*NERC Centre for Ecology and Hydrology, UK*)

Owen Mountford, Sam Amy, Marilena Onete, Jodey Peyton. **The design of agri-environment schemes in protecting heritage (natural and cultural) and encouraging green growth: does the English experience have relevance for the Carpathians?**

L'uboš Halada (*Institute of Landscape Ecology SAS*)

L'uboš Halada, Peter Gajdoš. **Carpathian Natural Heritage contributing to the European biodiversity: endemism and conservation status of species and habitats of European importance**

Stepan Stoyko (*Institute of Ecology of the Carpathians. National Academy of Sciences of Ukraine*)

Primeval forests of the Ukrainian Carpathians as a unique natural heritage and their ecological services

Márta Vetier (*Central European University, Hungary*)

Márta Vetier, Alexios Antypas. **Conflicts and synergies between multilateral biodiversity-related agreements in the Carpathian region**

Thursday, September 18

Plenary Session 4
Smart Mountains

9:00-10:30

Chair: **Jacek Kozak** (*Jagiellonian University, Poland*)

Presentations:

Manfred Perlik (*EURAC Research, Italy*)

The Carpathians – a Central Park of Emerging Cities: Mountain environment as a question of social relations

Mariana Melnykovich (*Ukrainian National Forestry University*)

Mariana Melnykovich, Ihor Soloviy, Yuriy Bihun. **Measuring well-being in forest-dependent communities: A case study in the Ukrainian Carpathians**

Tamara Mitrofanenko (*UNEP Vienna, Austria*)

Tamara Mitrofanenko, Andreas Muhar, Marianne Penker. **Potentials for integrating intergenerational practices into protected area management and rural tourism development**

Natalya Yakusheva (*Södertörn University, Sweden*)

The implementation deficit in the European Union: insights from Natura 2000 policy in the Carpathian countries

Parallel Sessions

Tuesday, September 16

Thematic Session 1 Forest Ecology I

11:45-13:30 (House of Scientists, Room 1)

Chair: **Pavel Cudlin** (*Global Change Research Centre AS CR, Czech Republic*)

Oral presentations

Mykola Chernyavskyy, Myron Shpilchak, Bohdan Prots, **Olena Slobodian**
Beech primeval forests of the Gorgany Nature Reserve – potential site of the UNESCO World Natural Heritage Site

William S. Keeton, Oleh Chaskovskyy, Mykola Chernyavskyy, Dmytro Karabchuk, Miroslav Svoboda, Volodymyr Trotsiuk
Deconstructing the “cathedral old-growth”: structural variability in Carpathian primary spruce-fir systems

Katalin Mázsza, Réka Aszalós, Ferenc Horváth, János Bölöni
Single-tree inventory in a Pannonian-Balkan turkey oak-sessile oak forest after 40 years of free development

Valeriu-Norocel Nicolescu, Diana-Cristina Simon, Alexandru Munteanu, Iulian Oaida, Aurica Patraucean, Cyrille Cuisinier
Early silviculture of Norway spruce plantations in Romania: „classical” or „dynamic”? A case-study

Ionel Popa, Constantin Nechita, Cristian Sidor
Spatial structure and disturbance dynamics in an old-growth mixed forest of Pinus cembra and Picea abies from Eastern Carpathians (Romania)

Poster presentations

Mykola Chernyavskyy, **Oleh Chaskovskyy**, Mykola Korol, Myron Shpilchak
Beech and spruce primeval forests of the Carpathian Region and its structure models

Anna Hebda, Jerzy Skrzyszewski, Błażej Wójkiewicz, Witold Wachowiak
Genetic structure and breeding value of Scots pine from Carpathian Mts. as compared to the species distribution range in Poland

Stefan Leca, Diana Silaghi, Stefan Neagu, Ovidiu Badea
Volume growth losses of trees and forest stands in Southern Carpathians LTER Sites (Retezat and Bucegi – Piatra Craiului)

Thematic Session 2
Climate-Water-Landforms-Soil

11:45-13:30 (House of Scientists, Room 2)

Chair: **Joanna Zawiejska** (*Pedagogical University of Kraków, Poland*)

Oral presentations

Olexandr Obodovsky, **Zakhar Rozlach**, Oxana Konovalenko, Alexei Iarochевич
Hydromorphological changes in the Botar River Basin under human impact

Cezar Ungurean, Serban Octavian Davidescu, Nicu Constantin Tudose, Andrei Adorjani, Adriana Davidescu, Dorin David

The influence of beaver dams on the hydraulics of embanked river beds in the upper Olt River catchment

Katarzyna Wasak, Marek Drewnik

Carbon and nitrogen sequestration and distribution of soil organic matter fractions as a consequence of land use in an abandoned pastureland in the Tatra Mountains

Bartłomiej Wyżga, Paweł Mikuś, Ryszard Kaczka, Edward Walusiak, Joanna Zawiejska

Formation, persistence and environmental role of vegetated islands in a mountain river

Poster presentations

Andreea Andra – Toparceanu

Interdisciplinary analysis of natural and anthropic vulnerability of the mountain slopes within the touristically developed areas of Brasov

Svetlana Bičárová, Dušan Bilčík, Jozef Mačutek, Rastislav Janík, Daniela Kellerová
Surface ozone variability and land use change after extreme wind event

Volodymyr Bilanyuk, Yuriy Andreychuk, **Ievhen Tikhonovich**

The avalanche denudation in Gorgany Mountain massive (Ukrainian Carpathians)

Jarosław Cebulski, Paweł Franczak

Landslides in 3D - Taking stock of landslides, taking a look at the effectiveness of chosen methods

Vitaliy Korzhuk

Disastrous floods in the Carpathians: historical-geographical and landscape- ecological aspects

Wiktoria Laszek, **Bartłomiej Wyżga**, Artur Radecki-Pawlik, Hanna Hajdukiewicz

Modelling hydraulic parameters of flood flows for a Polish Carpathian river

Karol Majewski

Influence of tectonic discontinuities on the occurrence of springs in the western part of Podhale region (Polish Central Carpathians)

Paweł Mikuś, Bartłomiej Wyżga

Methods for long-term monitoring of large wood recruitment and mobility in two Polish Carpathian watercourses

Bartłomiej Pietras, Anna Chrobak

Catastrophic winds in the Tatra Mountains in 1968, 2004 and 2013 – types, meteorological conditions and scale of devastation

Nicu Constantin Tudose, **Serban Octavian Davidescu**, Cezar Ungurean, Andrei Adorjani, Adriana Agafia Davidescu, Dorin David

Some features of the hydrological regime of Harman Marsh, a Natura 2000 site in the south-eastern Carpathians

Oleh Orlov, Oksana Vovk

Rare soil types of the Ukrainian Carpathian habitats

Thematic Session 3

Ecosystem Services and Sustainable Forest Management

16:45-18:30 (House of Scientists, Room 1)

Chair: ***Ihor Soloviy*** (*Ukrainian National Forestry University*)

Oral presentations

Ferenc Horváth, Borbála Balázs, Laura Dobor, Dóra Hidy, Péter Ittész, Dóra Ittész, Zoltán Barcza

Ecosystem modelling tools for assessing land use change and climate change impact on ecosystem services of the Carpathians

Ovidiu Badea, Diana Silaghi

Forest ecosystem services in Bucegi-Piatra Craiului LTER Site, Southern Carpathians

Jiří Novák, Marian Slodičák, David Dušek, Dušan Kacálek

Concept of silvicultural management in the Western Carpathians

Agnieszka Nowak

Regulating ecosystem services assessment for sustainable spatial planning on local level

Poster presentations

Andriy-Taras Bashta

Bats and ecosystem services

Paweł Franczak, Karolina Listwan

The Central Western Carpathians – as an example of the degradation of a public space with a valuable landscape for outdoor advertising

Laszlo Galhidy, BelaVarga

Close to nature forest management in Hungary, based on Pro Silva principles

Veronika Piscová, Róbert Kanka, Juraj Hreško, Juraj Švajda

Ecosystem services, current utilization activities and their impacts on the alpine environment of the Belianske Tatry Mts.

Veronika Piscová, Tatiana Hrnčiarová, Róbert Kanka, Pavol Kenderessy, Jana Špulerová, Henrik Kalivoda, Marta Dobrovodská, Juraj Hreško, Zita Izakovičová¹, Juraj Švajda, Ján Roháč, Miriam Vlachovičová, Vladimír Hurta, Marek Halabuk, Diana Tóthová, Zuzana Ponecová, Anna Behílová, Edita Adamčeková
Current utilization of high mountain landscape, its impacts on change of environment and assessment of carrying capacity of selected national parks of Slovakia

Nataliya Stryamets

Non-wood forest products: provisioning or cultural ecosystem services of forest landscapes?

Thematic Session 4

Land Use/Land Cover Change

16:45-18:30 (Franko University, Assembly Hall)

Chair: **Katarzyna Ostapowicz** (*Jagiellonian University, Poland*)

Oral presentations

Barbara Jaśkowiec

Land cover change mapping in the Carpathians with MODIS EVI data

Dominik Kaim, Monika Dobosz, Urs Gimmi, Natalia Kolecka, Jacek Kozak, Krzysztof Ostafin, Katarzyna Ostapowicz

Long-term forest cover changes in the Polish Carpathians: methodological approach

Bogdan Mihai, Ionut Savulescu

Mapping forest fire susceptibility in temperate mountain areas with submediterranean influences with expert knowledge. A case study from Domogled ridge - Mehedinti Mountains, Southern Carpathians

Alexander Mkrtchian, Daria Svidzinska

Modeling the location of natural cold-limited treeline and alpine meadow habitats in Ukrainian Carpathians

Anna Wójtowicz-Nowakowska

Detection of impervious surface changes based on remote sensing data

Poster presentations

S. Myklush, O. Chaskovskyy, S. Havrylyuk, D. Karabchuk

Data classification of multisensoral remote sensing images in forest type evaluation

František Petrovič, Martin Boltžiar, Matej Mojses

Land use trends in the Poloniny National Park

Anatoliy Smaliychuk

Political and economic drivers of land cover changes in mountain regions: an example from low Ukrainian Carpathians

Mihaela Verga, Andreea Andra-Toparceanu, Radu Pitigoi

Criteria for assessing landscape dynamic in the central part of the Eastern Carpathians. Case study: Bicz River Basin

Thematic Session 5
Forest Ecology II

11:15-13:00 (House of Scientists, Room 1)

Chair: **William S. Keeton** (University of Vermont, USA)

Oral presentations

Pavel Cudlin, Jiří Jakubinský, Petr Štěpánek, Jaromír Macku, Mojmir Kohut, Jaroslav Rožnovský

Indicators of the climate change impacts on Norway spruce forests in the Czech Republic

Volodymyr Kramarets, **Iryna Matsiakh**

Dieback of Norway spruce forests in the Ukrainian Carpathians – current state and future

Stanisław Małek, **Katarzyna Dudek**

Artificial regeneration of forest at high mountain altitudes in the Beskidy Mts. Polish Carpathians

Marian Słodičák, Jiří Novák, David Dušek, Dušan Kacálek

Douglas-fir as possible alternative for declining Norway spruce in managed forests of the Western Carpathians

Volodymyr Trotsiuk, Miroslav Svoboda, Pavel Janda, Martin Mikolas, Radek Bace, Pavel Samonil, Oleh Chaskovsky, Volodymyr Korzhov, Mykola Korol, Stepan Myklys
Disturbance regime in the natural temperate Spruce (*Picea abies* K.) forests in Ukrainian Carpathians

Poster presentations

Ihor Kozak

Simulation of beech stand dynamics under climate change conditions in the Carpathians and Roztocze using FORKOME model

Cezar Ungurean, Andrei Adorjani, **Nicu Constantin Tudose**, Serban Octavian Davidescu, Adriana Davidescu, Dorin David

Inventory of bad lands from Roumanian steppe and forest-steppe afforested between 1980 and 2010

Thematic Session 6

Biodiversity I

11:15-13:00 (Franko University, Assembly Hall)

Chair: **L'uboš Halada** (*Institute of Landscape Ecology SAS, Slovakia*)

Oral presentations

L. Borsukevych, S. Sosnovska, I. Danylyk

Wetlands of the Svydovets massif – important areas of biodiversity, their threats and conservation

Yuriy Kobiv

Response of rare plant species to current changes of vegetation in the Ukrainian Carpathians

Volodymyr Kyyak, Volodymyr Bilonoha, Rostyslava Dmytrach, **Liudmyla Gynda**, Yuriy Nesteruk, Vitalij Shtupun

Changes in plant population pattern under the natural and man-induced ecosystem transformations of high mountain zone of Ukrainian Carpathians

Marilena Onete, Roxana Ion, Anca Manole, Mirela Moldoveanu, Larisa Florescu, Minodora Manu, Aurora Neagoe, Răzvan Orza, Andrei Căldăruș, Virgil Iordache
Plant species diversity of grasslands within a rivulet catchment area in the Romanian Carpathians in relation to anthropic impact

Bohdan Prots, Maria Paniw-Simpson

What drives plant invasion in mountains in a changing world - climate, disturbance, or both? A case study in the Ukrainian Carpathian Mountains

Poster presentations

Siri Bjoner

Climate change – The Rise of the Pathogens

Péter Ódor, Viktor Papp, Gergely Kutszegi, Lajos Benedek, Erika Guba, Júlia József
Effect of forest management on the amount of dead wood and saproxylic diversity in the Hungarian Carpathians

Oleksandr Striamets, Rostyslav Bun, Serhii Stryamets

Geo-distributed analysis of forest phytomass Polish Carpathians

Jan Zarzycki, Joanna Korzeniak

Changes in grassland vegetation in Polish Carpathians as an effect of abandonment

Thematic Session 7
Smart Mountains I

11:15-13:00 (House of Scientists, Room 2)

Chair: **Manfred Perlik** (EURAC Research, Italy)

Oral presentations

Carmen Martins, Lena-Marie Lun, Alessandro Inversini, **Tamara Mitrofanenko**, Tamara Malkova

Improving Rural Tourism Training – an approach based on understanding local communities' needs

Ewelina Mocior

The use of the Carpathian landscape for educational purposes on the example of secondary schools in Krakow and Tarnow cities

Monika Rusztecka, Piotr Mikołajczyk, Barbara Hejłasz

Carpathian Informatorium: Facilitating Access to Information on the Carpathian Convention and to Carpathian Data Resources

Csaba Vaszkó

Nature and business conservation opportunities in the Carpathians

Poster presentations

Joanna Cent, Małgorzata Grodzińska-Jurczak

Evaluation of social development on Natura 2000 sites in Poland with the use of Local Human Development Index (LHDI)

Joanna Hibner

Ski tourism in the Kasprowy Wierch Mountain Area (Poland) – experience, motivations, opinions – preliminary results

Elena Matei, Dorin Matei, Irina Ana Dinca, Gabriela Manea, Iuliana Vijulie, Laura Tirla
Romanian Carpathians protected areas as ecotourism destinations between certification process and smart functioning

Marcin Rechcinski, Anna Kibycz, Sylwia Roman, Natalia Andrushkiv, Roman Danylyshyn

The structure of map use among Chornohora visitors – tourist assessment of maps, its availability and potential implications for tourism development

Thematic Session 8

Biodiversity II

16:30-18:00 (Franko University, Assembly Hall)

Chair: **Katalin Mázsza** (MTA Centre for Ecological Research, Hungary)

Oral presentations

Peter Gajdoš, Anna Hirna, Liviu Aurel Moscaliuc, Zdeněk Majkus, Miklós Gábor Heltai, András Gubányi, Jaroslav Svatoň, Robert Rozwarka
Ecosozological assessment of the Carpathian spider fauna

Daniel Klich, Rafał Łopucki
Wind farms may affect spatial distribution of terrestrial mammals – a case study in Beskid Niski Mts. (Northern Carpathians)

Minodora Manu, **Marilena Onete**, Aurora Neagoe, Virgil Iordache
Soil mites - a useful tool for the grasslands' ecological characterization from Trascău Mountains (Western Carpathians – Romania)

Tomasz Skalski, Renata Kędzior, Bartłomiej Wyżga, Mateusz Przebięda, Joanna Zawiejska
Effect of the restoration of mountain gravel-bed river on ground beetle communities on exposed riverine sediments

Poster presentations

Stanislav David, Vladimír Janský
The „forest“ dragonfly species of Cordulegaster genus in the Slovak part of the Carpathians

Antoni Derwich, Iwona Mróz, **Daniel Klich**
European beaver in Bieszczady National Park

Anna Hirna, Peter Gajdoš
Spider fauna analysis of Ukrainian Carpathians

Iwona Mróz, Rafał Łopucki, Blanka Orłowska, **Daniel Klich**
Are small mammals a vector of *Mycobacterium bovis* for European bison population in Bieszczady Mts?

Viktor Papp, Gergely Kutszegi, Lajos Benedek, Erika Guba, Júlia József, Péter Ódor
Preliminary survey of polypores in Mátra Mts (Hungarian Carpathians)

Tomasz Skalski, Renata Kędzior, Bartłomiej Wyżga, Artur Radecki-Pawlik, Joanna Zawiejska
Species diversity and life-traits distribution of ground beetles along incised Polish Carpathian rivers: implications for conservation

Ján Topercer
Post-windstorm processes in bird assemblages and habitats: a case of the Tichá valley (Tatra Mts, Slovakia)

Thematic Session 9
Smart Mountains II

16:30-18:00 (Building of Scientists, Room 2)

Chair: **Elena Matei** (*Bucharest University, Romania*)

Oral presentations

Viacheslav Dovbenko

Conditions for the sustainable development of Ukrainian Carpathians

Juraj Lieskovský, Pavol Kenderessy, Jana Špulerová, Tibor Lieskovský, Peter Koleda, Felix Kienast, Urs Gimmi

Factors affecting the persistence of traditional agricultural landscapes in Slovakia during the collectivization of agriculture

Agata Warchalska-Troll

Protected area as an important actor of sustainable development? Examples from Polish and Ukrainian Carpathians

Poster presentations

Paweł Brzegowy, Sławomir Dorocki,

Development and functioning of Galician spa resorts in Western Carpathians in second half of 19th century

Anna Chrobak

Along the beautiful, blue OravaRiver – project of geotouristic road trip

Emil Marinescu, Sandu Boengiu, Daniel Răduțoiu, Sidonia Marinescu

Forestry legislation and conservation of the forests from the Romanian Carpathians over time

Lukasz Quirini-Poplawski

The development of the tourism infrastructure as a factor of the environmental change in the mountain areas. Case study of the Pruth Valley tourist region (Eastern Beskidy Mts., Ukraine)

Halyna Stryamets

Biosphere reserves for nature conservation and preserving cultural heritage

Volodymyr Tymchuk, Mykhailo Buntushak, Vasyl Slobodian

Some aspects of natural and cultural heritage preservation in Yasinia valley (Rakhiv district of Zakarpatska oblast, Ukraine)

Workshops

Tuesday, September 16

Workshop 1

WWF: Ecological Connectivity

11:45-13:30

Assembly Hall, Franko University

(English/Ukrainian simultaneous interpreting)

Conducted by: **Bohdan Prots** (*WWF and State Museum of Nature History, National Academy of Sciences of Ukraine*)

Andriy-Taras Bashta (*Institute of Ecology of the Carpathians, National Academy of Sciences of Ukraine*)

Large mammals populations are threatened by habitats loss and their fragmentation. 45% of all the European brown bear population occurs in Romania and Ukraine. There are two centres of the brown bear occurrence on the territory of Ukrainian Carpathians in general: western (near the Polish border) and eastern (near the Romanian border). Ecological connectivity was the main topic of the range of projects realised in Ukraine and neighbouring countries. Overall objective one of them, realised by initiative of WWF were preserve biodiversity in Maramures (historical Romanian-Ukrainian region of the Carpathians) as a critical stepping stone for the connectivity of the Carpathian Mountains by reducing the risks of habitat fragmentation, restoring ecological corridors for bears as an umbrella species and by securing responsible use of natural resources.

Workshop 2

CARPIVIA/Carpathian Convention: Vulnerability to Climate Change and Ecosystem-Based Adaptation Options for the Carpathian Region

16:45-18:30

Room 2, House of Scientists

Conducted by: **Saskia Werners** (*Wageningen University and Research Centre, the Netherlands*)

This workshop focuses on the vulnerability to climate change of the main ecosystems and ecosystem based production systems in the Carpathian region. Participants are invited to debate observed and projected impacts of climate change in the Carpathian region and the potential of ecosystem-based adaptation measures. The workshop is hosted by the Carpathian Convention, together with three EU-funded projects -- CARPIVIA, CarpathCC and CARPATCLIM. These projects jointly assessed the vulnerability of the Carpathian region to climate change and evaluated potential adaptation measures. The results of these projects have recently become available and will be presented and discussed with the audience in this workshop. In addition we will look ahead and identify knowledge gaps to be addressed in support of adaptation planning.

Wednesday, September 17

Workshop 3

WWF: Old-Growth Forests

16:30-18:30

Room 1, House of Scientists

Conducted by: **Bohdan Prots** (*WWF and State Museum of Nature History, National Academy of Sciences of Ukraine*)

Roman Volosyanchuk (*WWF*)

Dmytro Karabchuk (*WWF and Ukrainian National Forestry University*)

Several projects are currently running on old growth and primeval forests in the Carpathians supported by IKEA, DEG etc. It has developed a strong initiative on recognition of Beech Forests Natural Heritage Sites around Europe (over 20 countries) -- not only in Slovakia, Germany and Ukraine.

Side Event

Tuesday and Wednesday, September 16-17

**Scientific Network for the Caucasus Mountain Region
(SNC-mt): Meeting of the Steering Group**

During two days

Room 3, House of Scientists

The idea of the meeting is to build and further develop the network on the inspiration of the Science for the Carpathians and Forum Carpaticum.

Forum Carpathicum 2014 Scientific Board

Board Chair:

Ivan Kruhlov, Ivan Franko National University of Lviv, Ukraine

Board Members:

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