



KATUN-INVO HERIC No 01-646



International conference

**SUSTAINABLE DEVELOPMENT OF MOUNTAIN AREAS**

**- Experiences, challenges and perspectives -**

**September 14-16, 2016**

**Žabljak,**

**Montenegro**

**PROGRAM**

## Welcome to Žabljak

Dear Participants,

On behalf of the Organising Committee, it is my pleasure to welcome you to the international conference: "SUSTAINABLE DEVELOPMENT OF MOUNTAIN AREAS - Experiences, challenges and perspectives". This event is organized within the framework of project "Valorizing the Montenegrin Katuns through sustainable development of agriculture and tourism - KATUN". The main idea of the project, being implemented by the interdisciplinary research team, is to create a knowledge base for the multipurpose use of Montenegrin mountain resources, by combining the traditional agriculture with boosting tourism activities and protecting the cultural heritage ([www.katun.me](http://www.katun.me)). Katuns, as the nuclei of traditional agriculture in mountain areas, face many challenges. This uniqueness of Montenegro has to be preserved and revitalized *via* new opportunities in tourism and other complementary activities (handcraft, trade, culture, services).

The conference is focused on social, cultural and business environment in development of mountain areas, with an aim to provide different experiences, improve understanding of the challenges in dynamic social and economic environment and bring together different stakeholders involved in development of Montenegrin mountains. As the milestone of the project, the Conference is expected to contribute in achieving the main project aims: knowledge and innovations' transfer to the agriculture and agro-tourism; generate entrepreneurship in the mountainous multifunctional agriculture; and achieve sustainable cultural heritage protection.

The important part of the conference is round table: KATUNS – CHALLENGES, OPPORTUNITIES, DRIVERS AND GOVERNANCE, organized with an aim to identify the potentials, opportunities and challenges for katuns from broader economic, social and environmental perspectives.

This conference is organized by three University of Montenegro units: Biotechnical faculty, Faculty for Tourism and Hotel Management and Historical Institute of Montenegro. We are supported by our international partners (Biotechnical Faculty, University of Ljubljana; Swedish University of Agricultural Sciences; Institute of Technologies Applied to Cultural Heritage and University of Basilicata, Italy); commercial project partners (HM Durmitor d.o.o, Žabljak; the Old House d.o.o, Podgorica and Intertehna d.o.o, Berane) and by the Montenegrin Academy of Sciences and Arts – CANU as well as the management of the Žabljak municipality. Last but not least, the project is financed by the Ministry of Science of Montenegro, within the scope of "Higher Education and Research for Innovation and Competitiveness in Montenegro – HERIC" project. Special thanks to all of them.

We look forward meeting all of you at Žabljak, hoping that this charming place with the natural beauties of Durmitor mountain will offer a nice ambient for the fruitful conference and pleasant stay.

President of the Organising Committee

Prof. Dr Milan Marković

**PROGRAMME**

**Tuesday, September 13<sup>th</sup>**

**Arrival of the participants**

18.00	Registration of the participants
20.00	Welcome cocktail Venue: Hotel Gorske oči

**Day One: Wednesday, September 14<sup>th</sup>**

**Venue: The municipal meeting room Žabljak**

09.00	Registration of the participants
10.00	<b>Official opening</b> Welcome address by the representatives of: University of Montenegro, the Ministry of Science, the Ministry of Agriculture and Rural Development, the Ministry of Sustainable Development and Tourism, the Montenegrin Academy of Sciences and Arts and the mayor of Žabljak municipality
<b>Plenary session</b> <b>Venue: the municipal meeting room Žabljak</b> <b>Chair: Emil Erjavec / Ivan Laković / Milan Marković</b>	
10.30	<b>CULTURE, AGRICULTURE AND INNOVATION FOR SUSTAINABLE DEVELOPMENT</b> <i>Invited</i> <b>Stefano Grego</b> , Parviz Koohafkan
11.00	<b>THE KATUNS IN MONTENEGRIN HISTORY</b> <i>Invited</i> <b>Ivan Laković</b>
11.20	<b>TRADITIONAL LIVESTOCK PRODUCTION AT THE MONTENEGRIN KATUNS</b> <i>Invited</i> <b>Milan Marković</b> , Emil Erjavec, Božidarka Marković, Luka Juvančić, Dušica Radonjić
11.40	<b>Coffee break</b>
12.00	<b>SUSTAINABLE AGRICULTURE IN MOUNTAINOUS AREAS, PROMOTION AND PROTECTION OF THE TRADITIONAL PRODUCTS</b> <i>Invited</i> <b>Marija Klopčič</b>
12.20	<b>MOLECULAR SIGNATURES OF CLIMATE ADAPTATION AND RANGE EXPANSIONS IN MEDITERRANEAN CONIFERS</b> <i>Invited</i> <b>Giovanni Giuseppe Vendramin</b> , Santiago Gonzalez-Martinez, Delphine Grivet, Rose Ruiz-Daniels, Francesca Bagnoli, Andrea Piotti, Juan Pablo Jaramillo-Correa, Zaida Lorenzo, Katharina Budde, Ricardo Alía

12.40	<b>Discussion</b>
13.00	<b>Lunch – hotel Gorske oči</b>
<b>Continuation of the Plenary session</b> <b>Venue: Hotel Gorske oči</b> <b>Chair: Tatjana Stanovčić / Tatjana Koprivica</b>	
14.15	<b>HOW THE EU SUPPORT MOUNTAIN AREAS: EAFRD AND IPARD AS TOOL TO PROMOTE LOCAL HERITAGE AND FOSTER ECONOMIC DEVELOPMENT</b> Benoit Esmanne
14.30	<b>OPTIONS FOR VALORISATION OF ECOSYSTEM SERVICES OF MONTENEGIN “KATUNS”</b> <i>Invited</i> Luka Juvančić
14.50	<b>VISITOR MANAGEMENT STRATEGIES: BALANCING INTEGRATION OF TOURISM AND PROTECTION</b> <i>Invited</i> Izidora Marković Vukadin
15.10	<b>CULTURAL-HISTORICAL HERITAGE – A KEY TO SUSTAINABLE DEVELOPMENT OF MOUNTAIN AREAS</b> <i>Invited</i> Jelena Erdeljan
15.30	<b>Discussion</b>
15.50	<b>Coffee break</b>
<b>Continuation of the Plenary session:</b> <b>Venue – hotel Gorske oči</b> <b>Chair: Tina Volk/Jelena Erdeljan</b>	
16.15	<b>IMPORTANCE OF PAYMENTS TO AREAS FACING NATURAL OR OTHER SPECIFIC CONSTRAINTS FOR MAINTENANCE OF VITAL RURAL AREAS</b> Miroslav Rednak, Tomaž Cunder
16.30	<b>LINKING FOOD AND TOURISM VALUE CHAINS WITH CONSERVATION OF MOUNTAIN GRASSLANDS BIODIVERSITY: THE CASE OF DIMITROVGRAD VISOK</b> Suzana Đorđević-Milošević, Verka Jovanović, Lidija Amidžić, Slobodan Milošević, Slađana Đorđević
16.45	<b>THE BULGARIAN MOUNTAIN RESOURCES</b> Alexander H. Alexandrov
17.00	<b>SUSTAINABLE MOBILITY IN MOUNTAIN REGIONS – EXAMPLES FROM THE ALPS</b> Matej Ogrin
17.15	<b>HOW THE JAPANESE SOCIETY IMPROVES THE ECONOMY OF RURAL AREAS - FROM OUR EXPERIENCE</b> Slavica Pavlović, Ranko Zeković
17.30	<b>Discussion</b>

18.00	<p><b>Poster session (including the young researchers corner)</b></p> <p>During this session the commercial project partners (the companies) will be presented</p> <p><b>Venue: Hotel Gorske oči</b></p>
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## Day Two: Thursday, September 15<sup>th</sup>

08.00	<p>The KATUN Management Team meeting (members only)</p> <p>Venue: hotel Gorske oči</p>
09.00	<p><b>Field trip (Durmitorski prsten)</b></p> <p>The field trip starts from the center of Žabljak; the first stop is necropolis Grčko groblje by Riblje Lake in Novakovići, then passing villages Virak and Pašina voda, <i>via</i> Pošćenska area and foot of Stožina peak and Sedlo (1908m) - the highest mountain pass in Montenegro; after that Dobri Do and Todorov Do.</p> <p>Lunch is at 12:30 o'clock in <i>katun Lokvice-Pišće</i> (Carine D.o.o).</p> <p>After lunch, village Trsa, village Nedajno and wonderful Sušica Canyon are on the route, stopping at <i>katun Mala Crna Gora</i>. The end of the trip is at restaurant Momčilov grad.</p> <p>The length of the tour is appr. 80 km.</p>
16.30	<p>Coffee break: restaurant Momčilov grad, Žabljak</p>
17.00-19.00	<p>Round table:</p> <p style="text-align: center;"><b>KATUNS - CHALLENGES, OPPORTUNITIES, DRIVERS AND GOVERNANCE</b></p> <p>The objective: To identify the potentials, opportunities and challenges for <i>katuns</i> from broader economic, social and environmental perspectives.</p> <p>Discussion revolves around: 1) the potentials, opportunities and cross-cutting issues of <i>katuns</i> for public, rural areas and individual farmers; b) the drivers and barriers for preservation and future development of <i>katuns</i>; and c) governance, strategies and policies to boost and preserve <i>katuns</i>.</p> <p>Moderator: Prof. Dr. Emil Erjavec</p> <p>Venue: restaurant Momčilov grad, Žabljak</p>
20.00	<p>Dinner - the local specialties from Durmitor region will be served</p> <p>Restaurant Momčilov grad, Žabljak</p>

## Day Three: Friday, September 16<sup>th</sup>

<b>Oral presentations</b> <b>SESSION A</b> <b>Venue: Hotel Gorske oči</b> <b>Chair: Božidarka Marković / Snezana Jovanović</b>	
9.00	<b>STATUS AND TRENDS OF SHEEP PRODUCTION IN THE DURMITOR AREA</b> <b>Božidarka Marković</b> , Milena Đokić, Dragana Drobnjak, Milan Marković
9.10	<b>SUSTAINABLE SHEEP PRODUCTION IN THE ALTA MURGIA NATIONAL PARK</b> Paolo Dorenzo, Stefano Deramo, Antonio Capogna, <b>Elena Ciani</b> , Elisa Pieragostini
9.20	<b>ISOTOPE ANALYSIS FOR THE CONTROL OF GEOGRAPHIC ORIGIN OF TYROLEAN MILK</b> <b>Micha Horacek</b> , Wolfgang Papesch
9.30	<b>DEFINING SPECIFIC QUALITY OF THE PRODUCT LINKED TO TERRITORY - AN IMPORTANT ELEMENT FOR BUILDING GI PROCESS ON HASI GOAT KID MEAT IN ALBANIA</b> <b>Petrit Dobi</b> , Roland Bardhi, Francois Lerin, Alice Garnier, Besmira Medolli
9.40	<b>QUALITY AND TECHNOLOGY OF KUČI CHEESE</b> <b>Olga Jokanović</b> , Božidarka Marković, Milan Marković, Dušica Radonjić, Jelena Miočinović, Slavko Mirecki
9.50	<b>TECHNOLOGY AND QUALITY OF ROMANIJA SKORUP-KAJMAK</b> <b>Snezana Jovanović</b> , Tanja Borovčanin, Tanja Vučić, Jelena Vlačić
10.00	<b>PRODUCTIVE TRAITS OF BROWN SWISS CATTLE BREED IN MONTENEGRO</b> <b>Dušica Radonjić</b> , Milan Marković, Božidarka Marković
10.10	<b>PRODUCTION POTENTIAL OF MOUNTAIN GRASSLANDS OF DURMITOR AREA</b> <b>Radisav Dubljević</b> , Dušica Radonjić
10.20	<b>INFLUENCE OF CLIMATIC FACTORS ON THE THICKNESS OF WOOL FIBERS IN PUREBRED PIVSKA ZECKEL SHEEP</b> <b>Ervin Bučan</b> , Amela Katica, Nadžida Mlaćo, Vedad Šakić
10.30	<b>THE IMPORTANCE OF GENETIC RESOURCES IN AGRICULTURE AND POSSIBILITIES FOR THEIR USE</b> <b>Biljana Lazović</b> , Milan Marković
10.40	<b>Discussion</b>
11.00	<b>Coffee break</b>

<b>Session A cont.</b> <b>Venue: Hotel Gorske oči</b> <b>Chair: Rimvydas Vasaitis / Jelena Lazarević</b>	
11.20	<b>GENETIC CHARACTERIZATION OF <i>PINUS HELDREICHII</i> POPULATIONS FROM MONTENEGRO</b> <b>Jelena Lazarević</b> , Ivana Stojanović, Ilaria Spanu, Andrea, Piotti Francesca Bagnoli, Giovanni Giuseppe Vendramin
11.30	<b>FOREST SITE DRIVES DIVERSITY AND COMPOSITION OF FUNGAL COMMUNITIES ASSOCIATED WITH FINE ROOTS OF <i>Pinus heldreichii</i></b> <b>Jelena Lazarević</b> , Kateryna Davidenko, Rimvydas Vasaitis, Audrius Menkis
11.40	<b>HABITAT CONDITIONS FOR WILDLIFE MANAGEMENT IN THE DINARIC REGION IN MONTENEGRO AND CROATIA</b> <b>Tihomir Florijančić</b> , Siniša Ozimec, Ivica Bošković, Milić Čurović
11.50	<b>THE ROLE OF MYCORRHIZA IN REFORESTATION OF POST FIRE COASTAL DUNES</b> <b>Audrius Menkis</b> , Rimvydas Vasaitis
12.00	<b>MYCORRHIZAL CAPACITY OF WOOD-DECAY FUNGI</b> <b>Audrius Menkis</b> , Rimvydas Vasaitis
12.10	<b>INNOVATION ANALYSIS OF <i>LEADER</i> PROJECTS ON NON-WOOD FOREST PRODUCTS IN THE UNITED KINGDOM AND SWEDEN</b> <b>Marija Ćosović</b>
12.20	<b>INVASIVE PLANTS AND BIODIVERSITY PROTECTION OF MOUNTAIN AREAS</b> <b>Matilda Đukić</b> , Mihailo Grbić, Danijela Đunisijević Bojović, Marija Marković, Dragana Skočajić
12.30	<b>THE ENTREPRENEURIAL ACTIVITIES: INSIGHTS FROM MONTENEGRIN AGRO-TOURISM SECTOR</b> <b>Sanja Peković</b> , Đurđica Perović, Tatjana Stanovčić
12.40	<b>WHAT HAMPERS ENTREPRENEURIAL ACTIVITIES IN AGRO-TOURISM: A CASE OF NORTH MONTENEGRO</b> <b>Sanja Peković</b>
12.50	<b>RETHINKING SUSTAINABLE MARKETING: BRANDING ECOTOURISM AND TRADITIONAL RURAL LIFE IN MONTENEGRIN KATUNS</b> <b>Jovana Vukčević</b>
13.00	<b>Discussion</b>

<b>Oral presentations</b> <b>SESSION B</b> <b>Venue: Hotel Žabljak</b> <b>Chair: Pietro Picuno / Barbara Lampič</b>	
9.00	<b>A CONTRIBUTION TO THE STUDY OF THE LIFE OF THE LIVESTOCK POPULATION IN MEDIEVAL ZETA</b> <b>Miljan Gogić</b>
9.10	<b>16<sup>th</sup> TO EARLY 18<sup>th</sup> C. COPING WITH NATURAL HAZARDS IN SLOVENIAN ALPS, WITH LESSONS FOR THE FUTURE</b> <b>Žiga Zwitter</b>
9.20	<b>MONTENEGRIN MOUNTAINS AS THE SUBJECT MATTER OF THE STUDY BY ITALIAN SCIENTIFIC AND EXPERT MISSIONS IN THE LATE 19<sup>th</sup> AND THE EARLY 20<sup>th</sup> CENTURY</b> <b>Slavko Burzanović</b>
9.30	<b>TRIGLAV NATIONAL PARK: FROM ITS BEGINNINGS TO IDEAS ABOUT THE "MODERNISATION OF MOUNTAINS" BY BUILDING A RACK RAILWAY, A SKI SLOPE, AND AN OBSERVATORY</b> <b>Peter Mikša</b>
9.40	<b>THE SLOPES OF RUMIJA AT SKADAR LAKE SIDE - A CHALLENGE IN SUSTAINABLE ECO/HISTORICAL-RURAL TOURISM</b> <b>Mitja Guštin</b>
9.50	<b>CHARACTERISTICS OF TRADITIONAL RURAL CONSTRUCTIONS FOR ANIMAL CORRAL IN THE ADRIATIC-IONIAN AREA</b> <b>Ivan Laković, Alessandro C. Picuno, Dimitris Roubis, Pietro Picuno, Aleksandra Kapetanović</b>
10.00	<b>PAST AND PRESENT: CULTURAL - HISTORICAL HERITAGE IN MOUNTAIN LANDSCAPES OF THE CENTRAL ITALY</b> <b>Umberto Moscatelli</b>
10.10	<b>ALPS OF THE JULIAN ALPS</b> <b>Špela Ledinek Lozej, Saša Rožkar</b>
10.20	<b>THE CULTURE OF NUTRITION AND HABITATION AT THE KUČI MOUNTAINS' KATUNS</b> <b>Senka Babović-Raspopović</b>
10.30	<b>Discussion</b>
10.45	<b>Coffee break</b>



<b>Session B cont.</b>	
<b>Chair: Žiga Zwitter / Senka Babović-Raspopović</b>	
11.00	<b>HOW TO COPE WITH »MULTIPURPOSE USE« OF MOUNTAIN AREAS – THE CASE OF VELIKA PLANINA IN SLOVENIA</b> <b>Barbara Lampič</b>
11.10	<b>WHAT CAN ANTHROPOLOGY TELL US ABOUT SUSTAINABLE DEVELOPMENT? SOME THOUGHTS ON FURTHER RESEARCH OF MONTENEGRIN KATUNS</b> <b>Dunja Njaradi</b>
11.20	<b>REVEALING THE MONTENEGRIN KATUN AS A PLACE OF REUSABLE COGNITIVE TECHNOLOGIES</b> <b>Edin Jašarović, Ema Alihodžić Jašarović</b>
11.30	<b>KATUNS OF THE KUČI MOUNTAINS - QUANTITATIVE ANALYSIS –</b> <b>Ivan Laković, Aleksandra Kapetanović, Tatjana Koprivica, Olga Pelcer-Vujačić</b>
11.40	<b>COTTAGES IN KATUNS CULTURAL LANDSCAPE - ARCHITECTURAL FEATURES OF COTTAGES (GLADAS) IN KUČKA MOUNTAIN</b> <b>Aleksandra Kapetanović, Ivan Laković, Tatjana Koprivica, Olga Pelcer-Vujačić</b>
11.50	<b>A GIS DATABASE OF CULTURAL HERITAGE ON MONTENEGRIN KATUNS (KUČI MOUNTAIN AND DURMITOR) - OUTCOMES AND CHALLENGES</b> <b>Olga Pelcer-Vujačić, Tatjana Koprivica, Sandra Kovačević</b>
12.00	<b>A DIGITAL FLY THROUGH THE HISTORICAL KATUN LANDSCAPE</b> <b>Augusto Palombini, Sofia Pescarin</b>
12.10	<b>CULTURAL-HISTORICAL HERITAGE WITHIN THE DURMITOR AREA</b> <b>Tatjana Koprivica, Ivan Laković, Aleksandra Kapetanović</b>
12.20	<b>Discussion</b>

13.15	The conclusions and closing of the conference
13.30	<b>Lunch</b> Hotel Gorske oči
	Leaving of the participants

<b><u>POSTER SESSION</u></b>	
<b>Wednesday: 18.00-19.00</b>	
<b>Venue: Hotel Gorske oči</b>	
<b>P-1.1</b>	<b>MONTENEGRIN HILLY HORSE</b> Nikola Adžić, Nikola Pejović, Bojan Adžić
<b>P-1.2</b>	<b>PRODUCTION-ECONOMICAL SPECIFICS OF RAINBOW TROUT PRODUCTION IN MOUNTAIN AREAS</b> Stevan Čanak, Zoran Marković, Nataša Glišović
<b>P-1.3</b>	<b>EFFECT OF LIGHTING PERIOD AND POPULATION DENSITY OF BROILES ON THE APPEARANCE OF LESIONS ON THE FOOT PADS</b> Miljan Veljić, Mirjana Đukić Stojčić, Zdenka Škrbić
<b>P-1.4</b>	<b>DAIRY VALUE CHAIN MANAGEMENT IN UZBEKISTAN</b> Akmal Abruev
<b>P-1.5</b>	<b>INFLUENCE OF SOLI PESTS TO GROWING THE FODDER-HAY IN CATTLE BREEDING</b> Khudoykulov Azamjon, Abruev Akmal
<b>P-1.6</b>	<b>DEVELOPMENT OF AGRO- MARKETING IN UZBEKISTAN</b> Gulyamov Saidasror, Toshboyev A., Achilov M., Abruev Akmal
<b>P-1.7</b>	<b>AUTOMATION OF IRRIGATION SYSTEMS IN THE MOUNTAINOUS PART OF MONTENEGRO</b> Balša Bajagić, Dragoljub Mitrović, Ana Topalović, Mirko Knežević
<b>P-1.8</b>	<b>THE INVESTIGATION OF CONVENIENCE OF SUBSTRATES FOR PRODUCTION OF ORGANIC SEEDLINGS OF TOMATO (LYCOPERSICON ESCULENTUM, L.)</b> Nataša Mirecki, Miloš Kekeć, Milica Vujačić, Zoran Ilić
<b>P-1.9</b>	<b>GENETIC RESOURCES OF MOUNTAIN AREAS OF MONTENEGRO IMPORTANT FOR AGRICULTURE</b> Biljana Lazović, Mirjana Adakalić, Đina Božović, Vučeta Jaćimović, Miroslav Čizmović, Zoran Jovović, Nataša Mirecki
<b>P-2.1</b>	<b>DISTRIBUTION AND DIVERSITY OF HYPOGEOUS FUNGI IN SOUTH-EASTERN DINARIC ALPS (MONTENEGRO)</b> Tine Grebenc, Jelena Lazarević
<b>P-2.2</b>	<b>COLLECTION, DRYING AND PRESERVATION OF MEDICAL HERBS IN NORTHERN MONTENEGRO</b> Dragica Bojović
<b>P-2.3</b>	<b>ECOLOGY OF HYPOGEOUS FUNGI IN MONTENEGRO AND THEIR CULTIVATION POTENTIAL</b> Jelena Lazarević, Tine Grebenc

<b>P-2.4</b>	<b>STRUCTURAL CHARACTERISTICS OF WHITE BARK PINE (<i>PINUS HELDREICHII</i>) FORESTS IN MONTENEGRO</b> Milić Čurović, Aleksandar Stijović
<b>P-2.5</b>	<b>EFFECTS OF CUTTING SIZE AND EXOGENOUS HORMONES ON ROOTING OF SOFTWOOD CUTTINGS OF <i>CORNUS MAS L.</i></b> Marija Marković, Dragana Skočajić, Mihailo Grbić, Matilda Đukić
<b>P-3.1</b>	<b>IMMOVABLE CULTURAL HERITAGE OF THE KATUNS AT KUČI MOUNTAINS</b> Ivan Laković, Tatjana Koprivica, Aleksandra Kapetanović, Olga Pelcer-Vujačić, Senka Babović-Raspopović