

**1<sup>st</sup> Joint Meeting of  
EAAP Mountain Livestock Farming Working Group  
& FAO-CIHEAM Mountain Pastures Sub-Network**

**“Mountains are agroecosystems for people”**

7-9 June 2021 – online meeting

**Scientific program**

<b>Monday, 7<sup>th</sup> June 2021</b>	
9.00-9:30	<p><b>Welcome and introduction to the conference</b>  <i>Klopčič M. (ULBF, SI)</i>, head of local organizing committee  <i>Casasus-Pueyo I. (CITA, ES)</i>, president of EAAP  <i>Porqueddu C. (CNR, IT)</i>, coordinator of FAO-CIHEAM network on pasture and forage crops            Welcome by a <i>representative of the University of Ljubljana</i>            Mountain agriculture in Slovenia (ULBF, SI)</p>
	<b>Session 1: Farming systems and global change</b>
9:30-10:00	<p>Opening lecture            Grassland-based farming systems in Europe  <i>Newell-Price P. (ADAS, UK)</i>, <i>Ravetto Enri S. (UNITO, IT)</i>, <i>Lombardi G. (UNITO, IT)</i>,  <i>Schils R. (WUR, NL)</i>, <i>Berge H. ten (WUR, NL)</i></p>
10:00-10:45	Open discussion
10:15-11:00	Session 1: Offered oral presentations - 1
	03 - Mountain dairy farming in North-West Italian Alps: comparing environmental, economic and social aspects. <i>Blanc S. (UNITO, IT) et al.</i>
	09 - An eco-citizen dairy farming system in mountain areas with the calves reared by their dams. <i>Pomiès D. &amp; Bouchon M. (INRAE, F)</i>
	06 - Towards the climate change in Alpine pastures: perception of heat stress by dairy farmers. <i>Lora I. (UNIPD, IT) et al.</i>
11:00-11:10	Question time
11:10-11:25	Coffee break
11:25-12:10	Session 1: Offered oral presentations - 2
	04 - Pasture strategies and their relationship with traits of milk performance testing in cattle. <i>Fuerst-Waltl B. (BOKU, AT) et al.</i>
	08 - The restoration of abandoned temperate forests with semi-free-range pigs: the experience of 'Food For Forest'. <i>Nota G. (UNITO, IT) et al.</i>
	35 - Cattle breed – an underestimated driver of mountain pasture management. <i>Pauler C. (Agroscope, CH) et al.</i>
12:10-12:20	Question time
12:20-13:00	<p><b>Poster session 1</b>            01 - Beef livestock system in a silvopastoral area of Sardinia. <i>Acciaro M. (AGRIS, IT) et al.</i></p>

	<p>02 - Environmental sustainability of summer grazing or no summer grazing farming systems in a Lombardy alpine valley: two case studies. <i>Gislon G. (UNIMI, IT) et al.</i></p> <p>05 - Do beef cows reared on mountain pastures of central Spain need to be supplemented? <i>Lobon S. (CITA, ES) et al.</i></p> <p>10 - Nitrogen farm balance and efficiency in mountain dairy farms. <i>Tamburini A. (UNIMI, IT) et al.</i></p> <p>11 - Systems biology approach to study high-altitude genetic adaptation in Bosnian mountain horse. <i>Zorc M. (ULBF, SI) et al.</i></p> <p>49 - Effect of the sainfoin preservation on the secondary compounds and antioxidant activity. <i>Joy M. (CITA, ES) et al.</i></p>
13:00-14:00	Lunch break
	<b>Session 2: Conflicting priorities in mountain areas</b>
14:00-14:30	<p>Opening lecture</p> <p>Challenges of integrating large carnivores into modern mountain pastoral systems: can they become symbols for new alliances rather than symbols of conflict? <i>Linnell J. (NINA, NO)</i></p>
14:30-14:45	Open discussion
14:45-15:30	Session 2: Offered oral presentations - 1
	42 - Human-carnivore conflict in the north-eastern Italian pre-Alps: a preliminary assessment. <i>Franchini M. (UNIUD, IT) et al.</i>
	44 - Electric collar prototype for sheep to deter wolves. <i>Jordan D. (ULBF, SI) et al.</i>
	46 - Characteristics and risk factors of predation by large carnivores on domestic herbivores in Valle Camonica (Italy). <i>Bonettini S. (UNIMI, IT) et al.</i>
15:30-15:40	Question time
15:40-15:55	Coffee break
15:55-16:40	Session 2: Offered oral presentations - 2
	47 - Attitudes of local and general populations towards agriculture, environment and economic development in mountain areas. <i>Muñoz-Ulecia E. (CITA, ES) et al.</i>
	41 - Summer mountain grazing has a long tradition in the Alpine region. <i>Dovc P. (University Ljubljana, SI) et al.</i>
	43 - How can satellite technologies prevent livestock predation and mitigate excessive damage from large carnivores? <i>Frangini L. (UNIUD, IT) et al.</i>
16:40-16:50	Question time
16:50-17:00	<p><u>Poster session 2</u></p> <p>45 - Deer grazing on permanent grasslands in Triglav National Park. <i>Lukac B. (ULBF, SI) et al.</i></p>

<b>Tuesday, 8th June 2021</b>	
	<b>Session 3: Precision mountain farming and smart agriculture</b>
9.00-9:30	<p>Opening lecture</p> <p>Current state of the art for the use of Earth Observation in grassland management: a practical guide <i>Green S. (Teagasc, IRL)</i></p>
9:30-9:45	Open discussion
9:45-10:30	Session 3: Offered oral presentations - 1
	17 - Animal-borne sensors in mountain livestock science: opportunities and challenges. <i>Schneider M. (Agroscope, CH) et al.</i>

	12 - Application of Virtual Fencing for the management of Limousine cows at pasture during spring-summer season: preliminary results. <i>Confessore A. (UNIFI, IT) et al.</i>
	16 - Can research benefit of real-time GPS collars conceived for livestock management by farmers? <i>Pittarello M. (UNITO, IT) et al.</i>
10:30-10:40	Question time
10:40-10:55	Coffee break
10:55-11:40	Session 3: Offered oral presentations - 2
	28 - ResNatSeed: A tool to assess the REStoration potential of NATive SEEDs based on topographic factors. <i>Barberis D. (UNITO, IT) et al.</i>
	50 - Communicating knowledge on alpine pasture management to farmers using videos and the internet. <i>Schneider M. (Agroscope, CH) et al.</i>
	14 - Daily energy expenditure for locomotion by sheep in the Pyrenean summer mountain grasslands. <i>Larraz V. (University of Zaragoza, ES) et al.</i>
11:40-11:50	Question time
11:50-12:00	Poster session 3 13 - The Animal Sense warning system. Low-cost technology to prevent collisions between semi-domestic reindeer and vehicles. <i>Hansen I. (NIBIO, NO) et al.</i> 15 - VegeT: An Easy Tool to Classify and Facilitate the Sustainable Management of Seminalural Grasslands and Dynamically Connected Vegetation of the Alps. <i>Leoni V. (UNIMI, IT) et al.</i>
12:00-13:30	Lunch break
	<b>Session 4: Product quality and value chains</b>
13:30-14:00	Opening lecture Mountain dairy farming systems and product qualities; what is new? <i>Martin B. (INRAE, F), Manzacchi E., Delbes C., Verdier-Metz I.</i>
14:00-14:15	Open discussion
14:15-15:00	Session 4: Offered oral presentations - 1
	27 - On-farm factors predicting the fatty acid profile of permanent grasslands and derived bulk cow milk. <i>Renna M. (UNITO, IT) et al.</i>
	21 - Authentication of feeding specifications of Protected Designation of Origin cheese using mid-infrared spectroscopy on milk. <i>Coppa M. (INRAE, F) et al.</i>
	25 - Cheese quality from cows given a tannin extract in two different grazing seasons. <i>Menci R. (UNICT, IT) et al.</i>
15:00-15:10	Question time
15:10-15:30	Coffee break
15:30-15:40	Presentation of EWE (European Wool Exchange) foundation
15:40-16:25	Session 4: Offered oral presentations - 2
	24 - Ways to improve the profitability of sheep farming with rare indigenous mountain sheep breeds. <i>Ketterle N. (Kollektion der Vielfalt, D)</i>
	18a - Sustainable Norwegian sheep production: fresh meat supply and niche markets. <i>Bhatti M.A. (NMBU, NO) et al.</i>
	20 - The effect of the fattening period on the fatty acid composition of grazing lambs. <i>Cividini A. (ULBF, SI)</i>
16:25-16:35	Question time
16:35-17:00	Poster session 4 18b - Profitable sheep production strategies: effect of breed and grazing on farm economy. <i>Bhatti M.A. (NMBU, NO) et al.</i> 22 - Hilly and sub-mountain agroecosystems of Italy are rich in herbaceous landraces. <i>Giupponi L. (UNIMI, IT) et al.</i>

	<p>23 - A system to promote a traditional raw milk product. <i>Mazzucchi M. (FMACH, IT) et al.</i></p> <p>26 - Animal welfare assessment in alpine dairy farms with different housing systems. <i>Partel E. (FMACH, IT) et al.</i></p>
--	--

Wednesday, 9th June	
	<b>Session 5: Management options for ecosystem services</b>
9.00-9:30	<p>Opening lecture</p> <p>Best practices for targeted policies to enhance ecosystem services in European mountains</p> <p><i>Bernues A., Martín-Collado D., Tenza-Peral A. (CITA - University of Zaragoza, ES)</i></p>
9:30-9:45	Open discussion
9:45-10:30	Session 5: Offered oral presentations - 1
	<p>36 - Short-term response of permanent meadows with intermediate species richness levels to fertilisation with organic manures. <i>Peratoner G. (Laimburg, IT) et al.</i></p>
	<p>37 - Vegetation and environmental factors affect Carbon stock of Alpine pastures. <i>Ravetto Enri S. (UNITO, IT) et al.</i></p>
	<p>32 - Relative importance of topography, climate, and species composition affecting forage quality in alpine pastures. <i>Mainetti (UNITO, IT) et al.</i></p>
10:30-10:40	Question time
10:40-10:55	Coffee break
10:55-11:55	Session 5: Offered oral presentations - 2
	<p>30 - Scale matters – habitat use and selection by two sheep breeds in two contrasting Norwegian alpine environments. <i>Jørgensen N.H. (NMBU, NO) et al.</i></p>
	<p>34 - Mediterranean mountain management with extensive livestock as strategy for enhancing ecosystem services. <i>Nadal-Romero E. (IPE-CSIC, ES) et al.</i></p>
	<p>38 - Effects of molasses-based blocks on Highland cattle grazing in green alder-encroached pastures. <i>Svensk (Agroscope, CH) et al.</i></p>
11:55-12:10	Question time
12:10-12:30	<p>Poster session 5</p> <p>29 - Apennine pasture as potential ecosystem services source: a case study. <i>Fatica A. (UNIMOL, IT) et al.</i></p> <p>31 - Diurnal activity rhythm of two sheep breeds in two contrasting Norwegian alpine environments. <i>Rise R. (NMBU, NO) et al.</i></p> <p>33 - Monitoring of Mountains meadows in Slovakia. <i>Martincová J. (GMARI, SK) et al.</i></p> <p>39 - The effect of management practices on soil nutrient status, forage yield, feeding value and plant diversity of species rich meadows in the Soča Valley region. <i>Žnidaršič T. (KIS, SI) et al.</i></p> <p>40 - Dry matter production of chosen Slovakian mountains and its mineral element concentration. <i>Britaňák N. (NPPC, SK) et al.</i></p>
12:30-13:45	Lunch break
13:45-15:00	Virtual tour in Triglav National Park
15:00-15:20	<p>From abstracts to full papers: opportunities for publication in peer reviewed journals</p> <ul style="list-style-type: none"> <li>- <i>Journal of Mountain Science, Qiu Dunlian (Executive Editor-in-chief)</i></li> <li>- <i>Animal: the International Journal of Animal Biosciences, Ortigues I. (Chief Editor)</i></li> </ul>
15:20-15:50	Business meetings
15:50-16:15	Conclusions