

76th Annual Meeting of The European Federation of Animal Science

**INNSBRUCK, AUSTRIA
AUGUST 25 - 29, 2025**

**PROGRAMME
EAAP 2025**



76th Annual Meeting of The European Federation of Animal Science, Innsbruck, August 25 - 29, 2025

Ladies and Gentlemen,

on behalf of the organizing committee and the entire community of the Austrian Association for Animal Science and Production I am happy and honored to welcome you to the 76th annual meeting of the European Association for Animal Production, which will be held in Innsbruck on August 25th -29th, 2025. The overarching theme of the congress is “Future-proof livestock farming”.

Innsbruck, the capital of the Tyrol, is nestled in a breathtaking Alpine panorama. The city combines nature, culture, science, and business, blending traditional customs with modern innovations. Innsbruck promotes diversity and has a high quality of life, with clear air, pure water, and state-of-the-art infrastructure. The city's economy is strong, and its universities are renowned and rich in tradition, keeping the city vibrant with over 35,000 students.

Austria is renowned for their diverse and high-quality agricultural products. The region around Innsbruck is particularly famous for its dairy products, with about 35 to 40% of the agricultural production value coming from the milk industry. This sector includes around 4,200 farms that produce approximately 350,000 tons of milk annually. The region also boasts 44,300 dairy cows, 2,376 sheep, and 6,075 goats, all contributing to the rich dairy heritage of the Tyrol.

Tiroler Bergkäse is a protected designation of origin for a traditionally produced, matured hard cheese made from the milk of cows that graze in the Tyrolean mountains. Similarly renowned are the Tyrolean bacon specialties, which acquire a distinctive aroma through the unique climate and traditional smoking process. Additionally, the Tyrol is known for its direct marketing of agricultural products, with over 4,000 farms selling their produce directly to consumers through various channels such as farmers' markets, farm shops, and home delivery services.

In addition, Austria is renowned for the quality of agricultural products, like beef, grains, and wines. The country's beef industry is an important part of its agricultural landscape. In addition to livestock, Austria also produces a variety of high-quality grains such as wheat, barley, and corn that are crucial to the nation's food production.

Beyond meat and grains, Austria's winemaking tradition dates back centuries, with renowned wine regions like Lower Austria, Burgenland, and Styria producing world-class vintages like the famous Grüner Veltliner. These diverse agricultural products highlight the breadth and excellence of Austria's food and beverage industries. Some of these production and marketing systems will be subject of technical visits organized at the end of the technical session.

Welcome to Innsbruck!
President
Josef Wiesböck

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Programme overview

	MONDAY	
	Congress	Messe
8:30-10:15	Sessions 1-10 part 1	Sessions 11-13 part 1
10:15-10:45	Coffee Break	Coffee Break
10:45-12:30	Sessions 1-10 part 2	Sessions 11-13 part 2
12:30-13:30	Lunch	
13:30-15:15	Sessions 14-22 part 1	Sessions 23-26 part 1
15:15-15:45	Coffee Break	Coffee Break
15:45-17:30	Sessions 14-22 part 2	Sessions 23-26 part 2
18:00-19:30		Welcome Ceremony
20:00-23:00		Austrian Dinner (ticket only)

	TUESDAY	
	Congress	Messe
8:30-10:30	Plenary part 1 (Session 27)	
10:30-11:00	Coffee Break	
11:00-12:30	Plenary part 2 (Session 27)	
12:30-13:30	Lunch	
13:30-14:30	Poster session 1	
14:30-15:45	Sessions 28-35 part 1	Sessions 36-39 part 1
15:45-16:15	Coffee Break	Coffee Break
16:15-18:00	Sessions 28-35 part 2	Sessions 36-39 part 2

	WEDNESDAY	
	Congress	Messe
8:30-10:15	Sessions 40-47 part 1	Sessions 48-51 part 1
10:15-10:45	Coffee Break	Coffee Break
10:45-11:30	Sessions 40-47 part 2	Sessions 48-51 part 2
11:30-12:30	Commission Meetings	Commission Meetings
12:30-13:30	Lunch	
13:30-14:30	Poster session 2	
14:30-15:45	Sessions 52-59 part 1	Sessions 60-63 part 1
15:45-16:15	Coffee Break	Coffee Break
16:15-18:00	Sessions 52-59 part 2	Sessions 60-63 part 2

	THURSDAY	
	Congress	Messe
8:30-10:15	Sessions 64-71 part 1	Sessions 72-74 part 1
10:15-10:45	Coffee Break	Coffee Break
10:45-12:30	Sessions 64-71 part 2	Sessions 72-74 part 2
12:30-14:00	Lunch	
14:00-15:45	Sessions 75-82 part 1	Sessions 83-85 part 1
15:45-16:15	Coffee Break	Coffee Break
16:15-18:00	Sessions 75-82 part 2	Sessions 83-85 part 2
19:00-23:00	Gala Dinner (ticket only)	

	FRIDAY	
	Meeting Point: Congress	
08:00-17:00	Technical Tours	

Scientific programme

Monday 25 August

Session 1.

How to mitigate livestock emissions through breeding

Room: Tirol (Congress)

Chair: Pszczola / Kargo

Session Type: Theme session

Theatre Session 1		Book of Abstracts page
8:30	Global Methane Genetics Initiative: Acceleration of genetic progress for reduced methane emission in ruminants <i>Y. De Haas, B. Gredler-Grandl, R. Banks, H. Montgomery, A. Jarvis, R. F. Veerkamp</i>	132
8:45	Innovative approach to data management of methane emissions in dairy cows <i>M. Ryczek, T. Strabel, M. Pszczola</i>	132
9:00	Converting Sniffer Data into Methane Yield Phenotypes – Experiences from the Swiss Project CH4COW <i>P. Stratz, A. M. Butty, T. F. Neuenschwander, B. Bapst</i>	133
9:15	Expectations of the genetic correlation between methane concentration and methane production <i>A. Van Breukelen, T. Niehoff, R. Veerkamp</i>	133
9:30	From sniffer measurement to phenotype for genetic selection <i>A. Van Breukelen, C. Manzanilla-Pech, N. Meijer, M. Aldridge, Y. De Haas, B. Gredler-Grandl, R. Veerkamp</i>	134
9:45	Evaluation of Genetic Correlations of Methane Emissions in Dairy Cattle: A Comparative Study of Estimation Methods Across Countries <i>E. M. Teran, R. Stephansen, F. Almasi, V. Milkevych, F. Miglior, C. Baes, J. Lassen, J. Pryce, O. González-Recio</i>	134
10:00	Multi-country genomic prediction of methane emissions in dairy cattle <i>C. I. V. Manzanilla-Pech, A. E. Van Breukelen, O. Gonzalez-Recio, E. Teran, M. Pszczola, M. Ryczek, T. Strabel, M. L. Van Pelt, C. Orrett, R. F. Veerkamp, Y. De Haas, B. Gredler-Grandl</i>	135
10:15	Coffee Break	
10:45	Methane emission in dairy cattle breeding programs: sensitivity of genetic parameters, economic weights and phenotyping strategies <i>B. Gredler-Grandl, A. E. Van Breukelen, C. I. Manzanilla Pech, Y. De Haas, R. F. Veerkamp, L. Büttgen</i>	135
11:00	Towards methane-efficient cattle: breeding solutions for the Netherlands and Flanders <i>N. Meijer, G. De Jong, L. Zetouni, C. Orrett, A. Van Breukelen, C. Manzanilla Pech, R. Veerkamp</i>	136
11:15	MicroHUB: An international initiative to modulate the rumen microbiome for methane mitigation <i>O. Gonzalez-Recio, J. Pryce, S. Rowe, G. Sahana, B. Gredler-Grandl</i>	136
11:30	Exploring flexible microbiome-driven breeding strategies to mitigate methane emissions in beef cattle <i>T. Nguyen, M. Martinez-Alvaro, J. Lima, G. Gorjanc, M. Cleveland, R. Roehe</i>	137
11:45	Validating genomic evaluation for methane efficiency in dairy cattle using national and international data <i>F. Malchiodi, S. G. Narayana, A. Fleming, C. F. Baes, F. Schenkel, S. Fresco, P. Martin, F. Miglior</i>	137
12:00	About the genetic relationship between methane emission traits and ketone bodies in Danish Holstein and Jersey cattle <i>H. Schneider, M. Bjerring, P. Løvendahl, M. S. Lund, T. M. Villumsen</i>	138
12:15	Genetic variation in the cow's response to methane-mitigating feed additives <i>B. Heringstad, K. A. Bakke</i>	138
12:30	End of session	
Poster Session 1		Book of Abstracts page
01.15	Impact of introducing methane emission traits in the breeding goal for Polish Holstein-Friesian cattle <i>G. Cieleń, N. Pycińska, M. Pszczola</i>	139
01.16	Differential gene expression analysis of blood transcriptome and enrichment of potential cell types involved in beef methane production <i>V. Razban, O. C. Carballo, S. Morrison, M. Shirali</i>	139
01.17	Characterization of methane emissions in autochthonous Spanish dairy sheep breeds <i>I. Granado Tajada, C. Pineda-Quiroga, J. Valdes-Hernandez, I. Goiri, H. Benhissi, M. Medjadbi, A. Salom-Triñaque, E. Ugarte, A. García-Rodríguez, A. Rubio-Juan, G. Cañadas, M. Ramón</i>	140

Session 2.

Feed Additives for Methane Mitigation (replication of ADSA Session On methane)

Room: Innsbruck (Congress)
Chair: Pinotti / Mele
Session Type: Theme session

Theatre Session 2		Book of Abstracts page
8:30	Feed additives for methane mitigation: Modeling the impact of feed additives on enteric methane emission of ruminants—Approaches and recommendations <i>invited</i> J. Dijkstra, A. Bannink, G. Congio, J. Ellis, M. Eugene, F. Garcia, M. Niu, R. Vibart, D. Yanez-Ruiz, E. Kebreab	140
9:00	Recommendations for identification and selection of bioactive compounds to develop anti-methanogenic feed additives <i>invited</i> Z. Durmic, E. Duin, A. Bannink, A. Belanche, V. Carbone, D. Carro, M. Crusemann, V. Fievez, F. Garcia, A. Hristov, M. Joch, G. Martinez-Fernandez, S. Muetzel, E. Ungerfeld, M. Wang, D. Yáñez-Ruiz	141
9:15	Recommendations for testing enteric methane-mitigating feed additives in ruminant studies <i>invited</i> A. N. Hristov, A. Bannink, M. Battelli, A. Belanche, M. C. C. Sanz, G. Fernandez-Turren, F. Garcia, A. Jonker, D. A. Kenny, V. Lind, S. J. Meale, D. Meo Zilio, C. Muñoz, D. Pacheco, N. Peiren, M. Ramin, L. Rapetti, A. Schwarm, S. Stergiadis, K. Theodoridou, E. M. Ungerfeld, S. Van Gastelen, D. R. Yáñez-Ruiz, S. M. Waters, P. Lund	141
9:30	Feed additives for methane mitigation: How to account for the mitigating potential of antimethanogenic feed additives – Approaches and recommendations <i>invited</i> A. Del Prado, R. Vibart, F. Bilotto, C. Faverin, F. Garcia, F. Henrique, F. Figueiredo Granja Dorilêo Leite, A. Mazzetto, B. Ridoutt, D. Yáñez-Ruiz, A. Bannink	142
9:45	A guideline to uncover the mode of action of anti-methanogenic feed additives for ruminants <i>invited</i> A. Belanche, A. Bannink, J. Dijkstra, Z. Durmic, F. Garcia, F. G. Santos, S. Huws, J. Jeyanathan, P. Lund, R. I. Mackie, T. A. Mcallister, D. P. Morgavi, S. Muetzel, D. W. Pitta, D. R. Yáñez-Ruiz, E. M. Ungerfeld	142
10:00	Regulations and evidence requirements for authorization of enteric methane-mitigating feed additives <i>invited</i> J. Tricarico, F. Garcia, A. Bannink, S. S. Lee, M. Miguel, J. Newbold, P. Rosenstein, M. Van Der Saag, D. Yáñez-Ruiz	143
10:30	Coffee Break	
11:00	Long-term effects of 3-nitrooxypropanol on methane production, fecal bacteria and blood immune cells in dairy cows A. M. Reiche, F. Sizzano, R. Siegenthaler, L. Eggenschwiler, F. Dohme-Meier	143
11:15	Effect of a novel calcium peroxide based dietary additive on performance and methane emissions O. Kalenikanse, S. Waters, V. O'Flaherty, D. Kenny	144
11:30	Dose Dependent Response of L-Carvone on Methane Production and Digestibility in Ruminants: An In Vitro Study H. Jalal, M. Giammarco, L. Pompei, P. Prasinou, A. C. Manetta, G. Vignola, M. Gao, I. Fusaro	144
11:45	Medium-Chain Fatty Acid Products Derived from Agriculture and Food Production Sidestreams Decrease Cattle Greenhouse Gas Emissions in Vitro N. Arias, K. Simeonidis, A. Rooks, M. Dycus, J. Usack, J. Lourenco	145
12:00	Lysozyme supplementation reduces methane emissions in Italian Holstein Heifers G. Meli, W. Chen, G. Savoini, P. Grisenti, G. Invernizzi	145
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02.12	Optimizing Essential Oil Mixtures: Synergistic Effects on Rumen Fermentation and Methane Emissions M. Nasir, M. Rodríguez-Prado, M. Simoni, R. Khurana, R. Janßen, S. M. Martín-Orúe, J. Francisco Pérez, S. Calsamiglia	146
02.13	Short-term behavioural effects of 3-Nitrooxypropanol on dairy cows G. Franchi, T. De Evan Rozada, M. R. Weisbjerg, M. B. Jensen	146
02.14	Effect of combining 3-nitrooxypropanol and direct-fed microbials on enteric methane emission, performance and rumen microbiome of lactating dairy cows W. Wang, S. Danesh Mesgaran, A. Rytz, N. Walker, E. Soussan, D. Yáñez-Ruiz, P. Lund	147
02.15	Effects of Dietary Palm Oil on Rumen Fermentation, Growth Performance, and Enteric Methane Emissions in Hanwoo Steers M. Miguel, A. R. Son, K. S. Dhia, S. H. Kim, J. U. Jang, Y. P. Naing, S. S. Lee	147
02.16	The effect of oregano oil on in vitro methane emissions C. Cruywagen, A. L. Beckmann, B. Van Zyl, T. Borchardt	148

02.17	Evaluating the efficacy of combined additives to inhibit methanogenesis and enhance hydrogen utilisation in vitro	148
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	<i>R. Senatore, P. Cornale, D. Biagini, F. Dela Pierre, E. Dinuccio, R. Fortina</i>	
02.19	Evaluation of alternative additives on in vitro ruminal fermentation, gas production kinetic, and enteric greenhouse gas emissions	149
	<i>E. Magnani, T. H. Silva, B. Amâncio, L. Drouet, F. Oristanio, L. Zhao, B. Guo, E. M. Paula, R. H. Branco</i>	
02.20	Evaluation of neem cake on in vitro ruminal fermentation, gas production kinetic, and enteric greenhouse gas emissions	150
	<i>E. Magnani, E. Furlan Junior, E. M. Paula, M. S. Santos Marques, B. R. Amâncio, J. O. J. Michelini, M. G. Dalafini, T. H. Silva, R. H. Branco</i>	

Session 3. **How can genomic methods and resources be used for breeding and conservation and avoiding detrimental homozygosity ?**

Room: Brussel (Congress)

Chair: Berg / Camarinha Silva / Rahmatalla

Session Type: Working Group session

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8:30	ROH: Reflecting On Homozygosity - from inbreeding to adaptation	150
	<i>invited M. Bosse, H. J. Megens, O. Madsen, M. Derks, R. Crooijmans, M. Groenen</i>	
9:00	Mining genomic data in Reggiana cattle genetic resource to identify and manage potential deleterious alleles	151
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9:15	Genetic and Historical Diversity of Horses: Local Breeds in France	151
	<i>Y. Shakya, C. Bonnin, S. Danvy, B. Dumont Saint Priest, E. Rousseaux, M. Sabbagh, E. Verrier, B. Servin, G. Restoux</i>	
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	<i>A. Halvoník, N. Moravčíková, M. Chalupková, L. Vostrý, I. Čurik, R. Kasarda</i>	
9:45	Using Low-Coverage Nanopore Data to Assess Population Structure in an Endangered Pig Breed	152
	<i>C. Reimer, J. Geibel, K. Jensen, L. Kistner, A. Jakljič, A. Weigend, C. Worat, R. Weishaar, M. Petig, D. Hinrichs, S. Weigend</i>	
10:00	Estimation of Demographic Parameters of Major Aquaculture Species Using PSMC and GONE	153
	<i>A. Hamilton, H. Becher, G. Gorjanc, S. Tsairidou</i>	
10:15	Coffee Break	
10:45	Demographic history of conserved Iberian pig populations inferred from genomic estimates of historical effective population size	153
	<i>R. López De La Torre, S. García-Ballesteros, A. Fernández, E. Morales-González, M. Saura, A. Caballero, J. Fernández, B. Villanueva</i>	
11:00	On the use of ROH length distribution to estimate inbreeding age and past effective population size	154
	<i>N. Forneris, T. Druet</i>	
11:15	Characterization of the genetic diversity of two main breeds used in Canada using genomic metrics	154
	<i>W. Poisson, C. Michaud, J. Cameron, A. St-Pierre, I. Gilbert, C. Robert</i>	
11:30	Utilizing Genome-Wide SNP Arrays to Predict Heterosis Effects for Body Weight, Body Temperature, and Blood Parameter Traits in a Heat-Stressed Advanced Inter-Cross Chicken Population	155
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11:45	Validating runs of homozygosity in pig populations	155
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12:00	Optimum contribution selection applied to bull selection in a genomic cattle breeding program	156
	<i>E. Gautason, J. H. Eiríksson, B. Guldbbrandtsen, Þ. Þórarinsdóttir, G. Jóhannesson, P. Berg</i>	
12:15	Robust optimal contribution selection, accounting for uncertainty	156
	<i>J. Ortiz, I. Pocrnić, J. Fogg, J. A. Julian Hall, G. Gorjanc</i>	
12:30	End of session	

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	<i>S. R. Chacko Kaitholil, M. H. Mooney, A. Aubry, V. Razban, F. I. Rezwan, O. Cristobal-Carballo, M. Shirali</i>	
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	<i>Y. Zhang, H. Becher, G. Gorjanc</i>	
03.18	Runs of homozygosity in a population of SRC Iberian pigs selected for birth weight uniformity	159
	<i>C. Ojeda-Marín, K. D. Arias, N. Formoso-Rafferty, F. Sánchez-Esquiliche, L. El-Ouazizi, F. Goyache, J. P. Gutiérrez, I. Cervantes</i>	
03.19	Synchrotron FTIR microspectroscopy investigation on the sperm cryopreservation of Anglo-Nubian goat	159
	<i>S. Ponchunchoovong</i>	

Session 4. **Early career competition ‘Innovative approaches to pig and poultry production’, supported by CMI Rouiller**

Room: Orangerie (Congress)

Chair: Verschuren / Chalvon-Demersay / De Grande

Session Type: Early-career Scientists's session

Theatre Session 4**Book of Abstracts page**

8:30	Genomic insights into congenital disorders in pigs: a GWAS approach	160
	<i>J. De Kort, K. Depré, R. Meyermans, S. Janssens, N. Buys, W. Gorssen</i>	
8:45	Mineral calibration and analysis of swine feces via portable X-ray Fluorescence device	160
	<i>Y. J. Manaig, E. Gourlez, M. Taris, A. Monteiro, F. De Quelen</i>	
9:00	Serum FITC-d as biomarker to investigate intestinal integrity in piglets	161
	<i>A. Middelkoop, F. Molist, R. R. Santos</i>	
9:15	Histological and Microbiota Responses to <i>Arthrospira platensis</i> in Pig Feeding	161
	<i>A. Toscano, D. Giannuzzi, Y. Ramayo-Caldas, R. Verdiglione, S. Pegolo, G. Chillemi, G. Don, S. Schiavon, L. Gallo</i>	
9:30	Influence of sex type on bone characteristics in pigs fed a phosphorus depletion-repletion strategy	162
	<i>R. Palacios-Duchicela, M. Font-I-Furnols</i>	
9:45	Nitrogen and Phosphorus reduced feeding strategies and its influence on feeding behavior, efficiency and carcass traits in pigs	162
	<i>M. F. Bellersen, E. Jonas, I. Brinke, A. Kiefer, E. Tholen, C. Große-Brinkhaus</i>	
10:00	Effects of feed processing methods on nutrient digestibility and performance in early broiler	163
	<i>P. Sessegolo Ferzola, C. Schwarz, M. A. Ebbing, M. Gierus</i>	

10:15 Coffee Break / End of session

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	<i>W. Gorssen, N. Khayatadeh, H. Pausch</i>	
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	<i>C. Winters, A. K. Hankele, S. E. Ulbrich, S. Goumon</i>	
04.10	Effect of an antioxidative stress cocktail in weaned pigs after <i>E. coli</i> challenge	164
	<i>P. A. Madsen, K. S. Jerez-Bogotá, D. Vodolazska, M. S. Hedemann, A. R. Williams, C. Lauridsen</i>	

Session 5.

Understanding the Gut-Brain and Muscle-Brain Axes in Pig Production

Room: Orangerie (Congress)
Chair: Chalvon-Demersay / Lawlor
Session Type: Theme session

	Theatre Session 5	Book of Abstracts page
10:45	The microbiota-gut-brain axis as a key regulator of physiology, brain function and behaviour: implications for human and animal health <i>invited</i> G. Clarke	165
11:15	Prolonged stress and its effects on the microbiota-gut-brain axis in the development of post-weaning diarrhea in piglets U. R. Baysi, A. A. Schönherz, M. S. Hedemann, G. L. Simpson, N. Canibe	165
11:30	Brain-Immune-Gut (BIG) benefits Milk Fat Globule Membranes (MFGM) to ensure a smooth transition during weaning. P. Ramaekers, L. Vande Maele, M. De Jong, E. Croes	166
11:45	Exploring microbiome-gut-brain axis connections in a porcine model of social stress Y. Ramayo-Caldas, R. Río-López, I. T. Voularki, A. Clavell-Sansalvador, A. Valdés, O. González-Rodríguez, M. Ballester, J. García-Gil, X. Xifró, F. X. Prenafeta-Boldú, A. Dalmau	166
12:00	The effect of the fermented component content with probiotic additives in the diet of pigs on metabolic processes including the regulation of gut-brain axis activity K. Woś, M. Wacko, K. Pachciński, A. Czech, Ł. Wlazło, B. Nowakowicz-Dębek, O. Koszła, S. Przemysław	167
12:15	Do piglets crave sweet and salty taste? O. Tej, J. Leskovec, M. Colom-Pellicer, M. Güell Saperas, M. Ferrando Cogollos, D. Torrallardona	167
12:30	End of session	
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05.07	Identification of Key Commensal Microbes Enhancing the Production of Intestinal Secretory IgA in Early-Weaned Piglets Q. Jiang, X. Zhu, L. Sun, X. Yan	168
05.08	Impact of gut microbiome composition on growth and feed efficiency in Duroc pigs K. Inoue, K. Fuchino, T. Okamura, M. Ono, T. Kikuchi, M. Tomiyama	168
05.09	Genetic analysis of feeding behavior and its relationship with key economic traits in a French male pig line C. Garcia-Baccino, B. K. Angarita-Barajas, A. Le Dreau	169
05.10	Voluntary feed intake of local Krškopolje pig breed from 30 to 100 kg: variability, sex differences and comparison to modern hybrids M. Škrlep, K. Poklukar, B. Savič, M. Čandek-Potokar	169

Session 6.

Innovative approaches to improving animal welfare on-farm

Room: Strassbourg (Congress)
Chair: Holinger / Trocino
Session Type: Discovery session

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8:30	Animal Welfare Knowledge Platform: Benefits and Challenges <i>invited</i> A. Velarde, J. Zemzmi, E. Caro, S. Ashe, Y. Van Der Stede, L. Iannetti, C. Marchitelli, V. Michel, Ó. Girardie, G. Martin-Valls, P. Llonch, F. Johansen, L. Boyle, C. Reverte	170
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Chair: Camarinha Silva / Kreuzer-Redmer

Session Type: Theme session

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Chair: Tan / Mantovani

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Session 9.

Digital solutions for rural livestock systems, how to use PLF in extensive systems for sheep, goats to optimize their management and farmer wellbeing

Room: New Orleans (Congress)

Chair: Morgan-Davies / Emsen

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Chair: Ottoboni / Gierus

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Chair: Boland

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Room: Forum 2 (Messe)
Chair: Cesarani / Kuipers
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Session 13. Data-driven science and applications: from big data to big impact, and from shared data to less burden

Room: Seminar 1+2 (Messe)

Chair: Maselyne / Odintsov Vaintrub

Session Type: Theme session

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Session 14. Livestock farming systems for the next generation: can we imagine the future?

Room: Tirol (Congress)

Chair: Lee / O'Mara / De Magalhaes

Session Type: Discovery session

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Chair: Cesarani / Kuipers
Session Type: Theme session

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Novel technologies for phenotyping and scientific trials

Room: Brussel (Congress)

Chair: Schiavo / Maroto Molina

Session Type: Theme session

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Session 17.

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Room: Orangerie (Congress)

Chair: Giagnoni / Cieslak

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Session 18.

Cattle behaviour, health and welfare

Room: Strassbourg (Congress)

Chair: Boyle / Waiblinger / Almeida

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Chair: Das / Gierus / Trocino
Session Type: Theme session

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Room: Freiburg (Congress)
Chair: Neveux / O'Driscoll
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Session 21.

Management systems and other aspects to improve lamb and kid meat production systems

Room: New Orleans (Congress)

Chair: Campion / Hernández-Castellano

Session Type: Theme session

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14:00	Meta-analysis of tannins supplementation to small ruminant diets: Effects on growth performance, serum metabolites, anti-oxidant status, ruminal fermentation, meat quality, and fatty acid profile A. Al Rharad, S. El Aayadi, C. Avril, A. Souradjou, F. Sow, Y. Camara, J. L. Hornick, S. Boukrouh	291
14:15	Body morphology of sheep in Greek farms G. Batikas, M. E. Filippitzi, E. Z. Bonova, A. Zemou, S. Vouraki, G. Arsenos	291
14:30	Ram traits benefit from divergent selection for number of lambs weaned per mating in South African Merinos S. Cloete, N. Nel, J. Cloete	292
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15:00	Greenhouse gas emission intensity of Irish Sheep meat over time T. W. J. Keady, L. Bragina, C. Buckley	293
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21.11	Growth rates of dairy lambs reared to weaning using an automatic milk feeder and milk replacer M. Uhrinčat, V. Tančin, L. Mačuhová, R. Búci, J. Škopcová, M. Herko	295
21.12	Evaluating cucumber and straw silage as a sustainable forage alternative: effects on digestibility, rumen fermentation and blood metabolites in sheep M. Hassan, D. R. Yáñez-Ruiz, I. Rivelli, A. Belanche	296
21.13	Effect of dietary vitamin E supplementation on animal performance, carcass traits and meat quality of culling Sarda dairy ewes M. F. Lunesu, S. Carta, E. Costa, A. Fenu, R. Rubattu, A. Nudda, G. Battacone	296
21.14	Antimicrobial resistance in <i>Campylobacter</i> spp., <i>E. coli</i> , <i>Enterococcus</i> spp. and <i>Salmonella</i> from ovine feedlots and crop fields fertilized with composted manure B. Lahoz, C. Calvete, M. P. Jiménez De Bagües, J. M. González, T. Juan, S. Andrés-Barranco, R. C. Mainar-Jaime, J. H. Calvo, C. M. Marín	297
21.15	Effects of Dietary Supplementation with Oyster Mushroom By-products on Lamb Performance and Meat Quality A. Karageorgou, I. Kostogianou, V. Petrovas, S. Triantafyllou, P. Mitilinis, M. Goliomytis, I. Politis, T. Massouras, P. Simitzis, D. Miltiadou, O. Tzamaloukas	297
21.16	The influence of dietary supplementation with oyster mushroom waste on antioxidant capacity and the fatty acid (FA) profile of the lamb's meat A. Karageorgou, I. Kostogianou, V. Petrovas, S. Triantafyllou, P. Mitilinis, M. Goliomytis, I. Politis, T. Massouras, P. Simitzis, D. Miltiadou, O. Tzamaloukas	298

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Room: New Orleans (Congress)

Chair: Hernández-Castellano / Campion

Session Type: Theme session

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22.07	Effect of dietary lemon essential oil supplementation on ewes' milk M. Ponte, A. Maggolino, A. Bonanno, L. Forte, M. Caroprese, P. Di Palo, A. Sevi, M. Albenzio, A. Di Grigoli, R. Marino	301
22.08	Dietary n-6 vs. n-3 PUFA. Effect on the resilience of dairy sheep to a mammary inflammatory challenge: 1) Intake and milk production E. Barrio, P. Frutos, P. G. Toral, P. A. S. Fonseca, G. Hervás	302
22.09	Targeted milk metabolomics for assessing feed efficiency in dairy sheep P. A. S. Fonseca, P. G. Toral, D. R. Yáñez-Ruiz, G. Hervás, P. Frutos	302
22.10	Impact of Birth Weight and Early Growth on Milk Yield in Ewes' First Lactation L. Mačuhová, V. Tančin, J. Mačuhová, M. Uhrinčat, J. Škopcová, R. Búci, M. Herko	303
22.11	The Cathelicidin Gene Cluster in Goats (<i>Capra hircus</i>): Organization and Diversity S. González-Acosta, M. R. López, P. Asensio-Calavia, A. Otazo-Pérez, J. M. Pérez De La Lastra, A. Morales-Delanuez	303
22.12	High dietary cation and anion ration: Reconsidering the formulation for ruminants fed under high ambient temperature S. Thammacharoen, S. Semsirboon, N. Saipin, N. Chaiyabutr, T. Nguyen	304
22.13	Effect of melatonin implants during the dry-off period on blood variables in pregnant dairy goats M. González-Cabrera, A. Morales-Delanuez, A. Argüello, J. Muñoz-Quirós-Manjavacas, A. Torres, N. Castro, L. E. Hernández-Castellano	304
22.14	Effect of milking frequency and melatonin implants during the dry-off period on milk yield and composition in pregnant dairy goats M. González-Cabrera, A. Morales-Delanuez, A. Argüello, J. Muñoz-Quirós-Manjavacas, A. Torres, N. Castro, L. E. Hernández-Castellano	305
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22.17	Changes in Fat Nutritional Indices in Cheese from Mountainous Goat Milk During Summer Grazing E. Kasapidou, Z. Basdagiani, P. Mitlianga, M. A. Karatzia	306
22.18	Simulating individual milk phenotypic curves from real data and their feedback on dairy goat herd milk production, reproduction and demography N. Gafsi, O. Martin, F. Bidan, B. Grimard, L. Puillet	307
22.19	Study on the comfort factor of wool in some local sheep breeds in Bulgaria D. Dimov, A. Mitova	307

Session 23.

Selection for Efficiency, Resilience, and Climate Adaptation

Room: Forum 1 (Messe)

Chair: Sell-Kubiak / Pszczola

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14:15	Genomic Prediction of Feed Efficiency in Boars by Deep Learning <i>O. Onabanjo, T. Meuwissen, H. Magnus, F. Al Machot, P. Berg</i>	309
14:30	Genetic Parameters of Heat Tolerance for Milk Yield in Sarda ewes raised in the Mediterranean region <i>M. G. Usai, S. Casu, S. Salaris, T. Sechi, S. Miari, G. Mulas, A. Pernisa, A. Carta</i>	309
14:45	The genetic basis of thermotolerance varies among lactations in Spanish dairy sheep breeds <i>C. Pineda-Quiroga, I. Granado-Tajada, G. Cañadas, A. Rubio-Juan, M. J. Carabaño, E. Ugarte, M. Ramón</i>	310
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15:45	Phenotypic analysis of heat stress effect on first service to conception in Canadian Holstein cattle <i>G. R. Dodd, F. Miglior, I. L. Campos, F. S. Schenkel, R. E. Jahnel, C. F. Baes</i>	311
16:00	Between Heat Tolerance and Resilience: Breeding Against Rising Heat Stress in Dutch Holstein Cattle <i>T. Pook, M. Ramon, C. Diaz, M. J. Carabano Luengo, M. L. Van Pelt, L. Zetouni, C. Orrett, J. Vandenplas, I. Adriaens, C. Kamphuis, Y. De Haas, B. Gredler-Grandl</i>	311
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16:30	Unveiling mRNA isoform signatures of feed efficiency in Jersey cattle across diverse dietary regimes <i>F. Muhammad, V. Asselstine, C. Baes, F. Miglior, F. Schenkel, A. Cánovas</i>	312
16:45	An independence test for deep phenotypes using longitudinal and fixed feed quality data <i>N. Adhikari, A. Van Der Linden, B. Gredler-Grandl, R. F. Veerkamp</i>	313
17:00	Inclusion of susceptibility and resistance to bovine paratuberculosis in the genetic selection of Spanish Holstein cattle <i>G. Badia-Bringué, J. A. Jiménez, M. Alonso-Hearn</i>	313
17:15	Current state and challenges in defining and measuring resilience indicator traits for livestock breeding <i>L. Büttgen, M. Van Der Sluis, D. Flossdorf, S. Auerbach, H. Bergmann, E. D. Ellen</i>	314
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23.15	Reproductive efficiency in females of Avileña-negra Iberica local beef cattle breed <i>C. Meneses, M. J. Carabaño, M. Ramón, C. Díaz</i>	315
23.16	Effect of selection for resilience on sperm head morphometry in rabbits <i>M. L. García, D. Serrano-Jara, I. Agea, M. J. Argente</i>	315
23.17	Impact of heat periods on dairy farming in the most affected area of Germany <i>D. Al Baqain, A. Blanco-Vogt, E. J. P. Strang, A. Al Baqain, A. Werner, C. Eck, L. M. Dale</i>	316
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23.19	Regulatory role of 8-oxoguanine (8-oxoG) in heat-stressed reproductive cells of Korean beef cattle (Hanwoo) and its implications for fertility <i>I. Shaleh, S. W. Kim, T. S. Park, J. Park</i>	317

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23.22	Examining the role of mRNA isoform expression profiles in shaping feed efficiency in Holstein cattle	318
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Session 24.

Animal nutrition in circular economy

Room: Forum 2 (Messe)

Chair: Ranilla García / Stergiadis

Session Type: Theme session

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13:45	The effect of hominy chop inclusion on diet digestibility in modern broilers	320
	<i>G. C. Josling, P. Blom, F. H. De Witt, O. B. Einkamerer</i>	
14:00	Reducing calcium and phytate interactions using marine mineral complex as a source of calcium improves phytate phosphorus digestibility, FCR and daily gain in weaner pigs	321
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14:15	Estimating the nutritional value of calcium phosphates recovered from bones for phosphorus supplementation in pigs	321
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14:30	Effects of feeding nutritionally enhanced protein (Matan XL) on growth performance in weaner/grower pigs	322
	<i>M. Quinn, M. Scott, M. Mooney, M. O'Connell, V. Beattie, G. Allan</i>	
14:45	Incorporating agar by-products in European seabass diets: A circular economy approach to sustainable aquaculture	322
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15:00	The end of win-win solutions in controlling methane emissions from ruminants?	323
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17:00	Effects of replacing corn grain with whey permeate on the dairy performance of mid-lactation cows	325
	<i>P. Denis, C. D'Amico Satriano, C. Rheault, F. Huot, M. Landry, P. Y. Chouinard, R. Petri, J. Chamberland, R. Gervais</i>	
17:15	End of session	

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24.13	Use of cocoa byproduct in beef cattle diet: effect on animal performance and health status <i>S. Carta, S. P. G. Rassu, G. Cadau, M. Lunesu, F. Correddu, A. Cesarani, G. Battacone, G. Pulina, A. Nudda</i>	326
24.14	Environmental Impact of feed concentrate: the role of by-products <i>E. Sabia, A. Braghieri, A. Di Trana, R. Paolino, L. Vignozzi, C. Cosentino, P. Freschi, C. Pacelli</i>	326
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24.17	Nutritional evaluation of carrot, leek and bell pepper as alternative ingredients for ruminant diets <i>N. Merino, C. Saro, A. Díaz, R. Garcimartín, C. Valdés, M. J. Ranilla</i>	328
24.18	Inclusion of different levels of bell pepper in dairy sheep diets: in vitro studies <i>I. Mateos, N. Merino, A. Díaz, C. Saro, R. Garciamartín, S. López, M. J. Ranilla</i>	328
24.19	By-products from the Spanish gazpacho industry as alternative ingredients for sheep diets: In vivo digestibility and N balance <i>A. M. Sanchez-Garcia, N. Pino-Lopez, A. I. Martin-Garcia</i>	329
24.20	Effect of the conservation method of Brewer's Spent Grain on nutritional and microbial composition <i>J. Daza, S. Molinett, C. Aranda, Ó. Martínez, V. González, D. Estroz</i>	329
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Session 25.**Halting the loss of diversity. Are our efforts to manage AnGR sufficient and effective?**

Room: Seminar 1+2 (Messe)

Chair: Danchin / Leroy

Session Type: Working Group session

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13:30	One big success: management of endangered livestock breeds in Austria <i>invited J. Sölkner, B. Berger, R. Potyka, M. Agyiri, G. Mészáros</i>	330
14:00	Icelandic dairy cattle: successful conservation but how can the breed keep profitable? <i>J. H. Eiríksson, Þ. Þórarinsdóttir, E. Gautason, J. R. Thomasen, H. Liu</i>	331
14:15	Genetic diversity of Türopolje and Magalica pig breeds in Austria <i>G. Mészáros, A. Leithäusl, E. Wögerbauer, J. Sölkner</i>	331
14:30	Population genomics in Reggiana cattle to manage diversity within and across farms <i>G. Schiavo, S. Bovo, F. Bertolini, M. Bolner, A. Ribani, V. Taurisano, S. Dall'Olio, J. Maranzani, M. Bonacini, L. Fontanesi</i>	332
14:45	Optimizing mating strategies in a critically endangered antelope conservation program: the case of the mhor gazelle (Nanger dama mhor) <i>S. Domínguez, J. P. Gutiérrez, E. Moreno, I. Cervantes</i>	332
15:00	Preliminary analysis of survivorship of captive-reared Northern bald ibis (Geronticus eremita) reintroduced in the wild <i>C. Ojeda-Marín, A. Gómez-Zurera, I. Cervantes, M. Cuadrado, J. P. Gutiérrez</i>	333
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15:45	Did we store sufficient genetic material in the gene bank to effectively reconstruct breeds in case of extinction? <i>invited J. J. Windig, M. A. Schoon, M. Van Der Sluis, B. Bernal Juárez</i>	333
16:15	Added value of sustainable breeding advice and use of genebank material to support conservation of Dutch native breeds <i>M. A. Schoon, C. Van Gemert, J. Windig, J. Ten Napel</i>	334

16:30	Optimizing Relatedness Penalties in Multi-Stage Optimal Contribution in Dairy Cattle Breeding Programs	334
	<i>S. Tenhunen, J. R. Thomasen, L. P. Sørensen, P. Berg, M. Kargo, H. M. Nielsen, G. Gorjanc</i>	
16:45	Effects of restructuring breeding programs to bring in external diversity - a simulation study	335
	<i>T. Niehoff, J. Ten Napel, M. Calus</i>	
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25.12	How can cryopreserved genetic resources be used in domestic animal populations?	336
	<i>A. Jacques, M. Tixier-Boichard, G. Restoux</i>	
25.13	Maximizing genetic diversity in gene banks: the examples of Dutch goats and sheep	336
	<i>C. J. Van Gemert, N. Hoorneman, J. J. Windig, M. A. Schoon</i>	
25.14	Stability of Effective Population Size Estimates: A Genomic Approach Using Different SNP Densities and Sample Sizes	337
	<i>L. Vostry, H. Vostra-Vydrova, N. Moravcikova, R. Kasarda, B. Hofmanova, V. Cubric-Curik, M. Shihabi, I. Curik</i>	

Session 26. Enhancing the quality of animal-derived foods via animal nutrition

Room: Sky Lounge (Messe)

Chair: Alvarez-Rodriguez / Manaig

Session Type: Theme session

Theatre Session 26

Book of Abstracts page

13:30	Fat quality in carcasses of organic pigs: Influencing factors in feed, farm and animal health	337
	<i>M. Holinger, C. Roth, M. Helbing</i>	
13:45	Grape stem inclusion in fattening young bull slightly modified the meat fatty acid profile	338
	<i>S. Lobón, C. Conesa, M. Joy, I. Casasús, M. Blanco</i>	
14:00	Seasonal off-flavours in milk on Swedish dairy farms	338
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Tuesday 26 August

Session 27.

Why Animal Farming Has Been Essential to Human Civilization

Room: Tirol (Congress)

Chair: Bérard

Session Type: Plenary session

8:30 Presentation of the 2025 Leroy Awardee by Joel Berard

8:40 Lecture of the 2025 Leroy Awardee by Antonella Baldi

9:10 Award Ceremony chaired by Joel Berard

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9:30 From Big Game to Animal Agriculture: How Humans Evolved to Need Animal Food <i>invited</i> M. Ben-Dor	342
10:00 The Story of the Story of Domestication <i>invited</i> G. Larson	343
10:30 Coffee Break	
11:00 Agricultural revolutions: How animals paved the way for modern civilization <i>invited</i> H. Greenfield	343
11:30 A genomic history of our pets and livestock: from ancient origins to modern breeding <i>invited</i> L. Frantz	344
12:00 Discussion	
12:30 End of session	

Session 28.

How green-finance and industry initiatives are supporting sustainability at the farm level

Room: Tirol (Congress)

Chair: Rivero / Salami

Session Type: Industry session

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16:15 The importance of accurate phenotypes to achieve sustainability goals L. Cavani, M. Harrison	346
16:30 Sustainable Dairy Production Through Effective Calf Rearing Systems C. Rodriguez, A. Gardner	347
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Chair: Manuelian / Machefert
Session Type: Theme session

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Session 30.**Standardization of PLF Tools and Methodologies for welfare assessment (SENSTARA Working Group)**

Room: Brussel (Congress)

Chair: Gautier / Foy

Session Type: Working Group session

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- 15:00 The opportunities and challenges with welfare monitoring with Precision Livestock Farming 357
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- 15:30 Data Standards in Precision Livestock: Challenges and Opportunities in Large-Scale AI Integration 357
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- 16:00 Coffee Break
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- 16:45 Data annotation for animal behavior identification and analysis 358
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- 17:00 Overcoming Hardware and Data Challenges in Sensor-Based Animal Behavior Research 359
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Chair: Manuelian / Zanon

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Session 32. Innovative approaches to improving animal welfare in-transit and at slaughter

Room: Strassbourg (Congress)
Chair: Trocino / Collin / Stadnicka
Session Type: Theme session

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Room: Grenoble (Congress)
Chair: Kenny / Stella
Session Type: Theme session

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Session 34.

Monogastric nutrition, management and product quality

Room: Freiburg (Congress)

Chair: Millet / Stadnicka / Bruggeman / De Grande

Session Type: Free communications (bottom-up)

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Session 35.

Small ruminant health & welfare

Room: New Orleans (Congress)

Chair: Podstatzky / Almeida

Session Type: Theme session

Theatre Session 35

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Session 36. Local endangered breeds of livestock: their genetics and management, Special characteristics of native and local breeds for landscape management and ecosystem services

Room: Forum 1 (Messe)

Chair: Sölkner / Berg

Session Type: Working Group session

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Session 37. 3Rs (Replacement, Refinement and Reduction) in animal nutrition studies

Room: Forum 2 (Messe)

Chair: Kreuzer-Redmer / Ranilla García

Session Type: Theme session

Theatre Session 37

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17:30	Comparing traditional forms of supplemental copper to a novel monovalent copper oxide on bacteria control and piglet performance after weaning <i>Y. J. Manaig, W. Vahjen, S. Durosoy, A. Rigo Monteiro, T. Gall, M. Parsley</i>	424
17:45	Design animal experiments with statistical power: "pwr4exp" – An R-based user-friendly tool supporting 3R principle <i>K. Wang, U. Arshad, M. Niu</i>	424
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18:15	End of session	

Poster Session 37

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37.14	Mammary epithelium cell, mammary organoid and the possibility to the develop the artificial mammary gland <i>S. Thammacharoen, S. Semsirboon, N. Saipin, T. Nguyen, C. Kakhai, N. Chaiyabutr, S. Poonyachoti</i>	425
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Session 38. Methodology: modeling GxE, additive and non-additive variances in animal breeding

Room: Seminar 1+2 (Messe)
Chair: Pocrnic / Lourenco
Session Type: Theme session

Theatre Session 38

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14:30	From the framework to the field: Simulating genotype by environment interaction in farmed animals <i>D. L. Waters, D. J. Tolhurst</i>	426
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15:00	Inbreeding depression for milk yield under heat stress in Italian Holstein cows <i>F. Tiezzi, C. Maltecca, J. C. Panetto, J. T. Van Kaam, M. Cassandro, M. Ablondi, C. Cipolat-Gotet, A. Zanotti, R. Finocchiaro</i>	427
15:15	The impact of using individual-specific genetic correlations on the ranking and genetic covariance parameters of selection candidates <i>B. Cuyabano, P. Croiseau</i>	428
15:30	Estimating heritability in small populations in the genomics era: a case study on Istrian sheep <i>I. Pocrnic, A. Kasap, J. Ramljak, D. Ceranac, Z. Barac, C. M. Rochus, D. Tolhurst, M. Špehar</i>	428
15:45	Coffee Break	
16:15	Variance components estimation with Monte-Carlo single-step genomic REML <i>A. Álvarez-Múnera, A. Legarra, I. Misztal, D. Lourenco</i>	429
16:30	Modelling genetics of the multidimensional feed intake complex of dairy cows: fitting many variance components simultaneously using factor analytical models <i>R. F. Veerkamp, B. Gredler-Grandl, M. F. Schrauf, G. De Jong, R. Bonifazi, A. R. Gilmour</i>	429
16:45	Approximation of the logarithm of the determinant of large matrices applied to animal breeding and genetics computations <i>A. Álvarez Múnera, M. Bermann, A. Legarra, I. Aguilar, I. Misztal, D. Lourenco</i>	430
17:00	Computation with a branch GRM for millions of individuals <i>B. Lehmann, H. Lee, L. Anderson-Trocme, J. Kelleher, G. Gorjanc, P. Ralph</i>	430
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17:30	Multi-trait genomic models with trait and marker specific weights can substantially increase the accuracy of genomic breeding values	431
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17:45	Genomic partition: Partitioning allele frequency trends and identifying locus contributions to genetic mean	432
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38.16	Performance of a heteroscedastic model involving both direct and maternal genetic effect on simulated data	434
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Session 39. Innovations and perspectives in horse keeping and in their roles in society

Room: Sky Lounge (Messe)
Chair: Evans / Vial
Session Type: Theme session

Theatre Session 39

Book of Abstracts page

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15:00	Body temperature monitoring in equines raised in inner areas using GPS tracking	437
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15:15	Wearable continuous fitness tracker device coupled with omics to evaluate horse resilience and adaptation to heat and exercise stresses	437
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15:30	Prevalence and risk of orthopedic diagnoses in insured Swedish Warmblood horses	438
	<i>S. Bonow, E. Hernlund, S. Eriksson, E. Strandberg, Å. Gelinder Viklund</i>	
15:45	Coffee Break	
16:15	Relationship between gastric content ecosystem, mucosal microbiota and integrity of glandular mucosa in horses	438
	<i>S. Julliand, C. Omphalius, V. Julliand</i>	

16:30	The effect of composting on anthelmintic residues in horse manure <i>M. Meyer, C. Eiberger, D. Winter, L. E. Hölzle, T. Schilling</i>	439
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17:00	Equine milk production in France: challenges and solutions <i>C. Vial, L. Legendre, V. Deneux-Le Barh</i>	440
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17:30	Horse-Assisted Priming: An Uncharted Area? The Impact of Horses on Neurobiological Reactions, Interaction, Attachment and their Potential Role in our Current Crisis-Ridden Society <i>I. Boitllehner</i>	441
17:45	End of session	

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39.14	First insights into effects of an early start of training on performance and health of German Thoroughbred horses <i>S. Weiß, J. Probst, N. Kemper, M. Venner, N. Volkmann</i>	442
39.15	Effect of feed supplement on locomotion score and joint health biomarkers in sport horses <i>M. Hilaire, J. Gely, E. Portal, I. Gaudry, E. Richard, A. Miliotis, F. Barbé, C. Villot, M. Gauthier</i>	443
39.16	The impact of yeast supplementation on horses' coat condition, hoof health and feces quality <i>A. Pawłowska, E. Jastrzębska, M. Rakebrandt, A. Sobieraj</i>	443
39.17	Occurrence and prevalence of endophyte toxins in meadows and pastures for horses across different European countries <i>R. Khiaosa-Ard, L. Lindner, V. Milojevic, Q. Zebeli, B. U. Metzler-Zebeli</i>	444

Wednesday 27 August

Session 40.

Future of the EU breeding sector

Room: Tirol (Congress)

Chair: Granados / Fontanesi

Session Type: Working Group session

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8:30	The future of animal breeding in Europe <i>invited G. Cartick, L. Fontanesi, N. Duijvestein, A. Granados Chapatte</i>	444
8:45	Link Between Academia and Industry in EU Research: can we finally close the Gap? <i>invited A. Santos Ana.santos@Animaltaskforce.eu</i>	445
9:15	The Future of the Animals Breeding Sector in the EU: The Role of Academia and the Private Sector <i>invited V. Olori, A. M. Van Neeteson, A. Kranis, S. Avendano</i>	445
9:30	How to attract top talent and shape the future of animal breeding? <i>invited G. Mészáros</i>	446
9:45	You can't pursue a career in animal science if you don't know it's an option – perspectives from a 'geriatric' student <i>invited S. Scully</i>	446

10:00	Animal breeding innovation; the need of long-term support <i>invited</i> G. Cartick, E. Eriksson, Ç. Kaya, A. Granados, V. Volcic	447
10:15	Coffee Break	
10:45	Navigating the EU academia landscape from the PhD to a career in academia with EU funding: opportunities and challenges <i>invited</i> A. Amaral	447
11:00	The Future of the European breeding Sector: Discussion and closing remarks G. Cartick, A. Granados Chapatte	448
11:45	Commission meeting (with elections and discussion on next year's program)	

Session 41. Algae, fungi, yeast, and cellular feeds, feed ingredients/additives

Room: Innsbruck (Congress)
Chair: Pinotti / Kar
Session Type: Theme session

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8:30	Valorization of co-products in the formulation of growth media for cellular foods <i>D. Lanzoni, C. M. Messina, E. Petrosillo, M. Marchant Gonzales, T. Selvi Sundaram, A. Baldi, F. Cheli, C. Giromini</i>	448
8:45	Effects of Exogenous Protease Levels on Intestinal Morphology, Tight Junction Proteins, and Inflammatory Response in Pigs Fed Reduced-Protein Diets <i>T. A. Da Cruz, G. Zigorvski, R. F. Carnevale, A. D. B. Melo, C. A. P. Garbossa, L. B. Costa</i>	449
9:00	Effect of early-life supplementation with rumen fluid inoculum and feed additives on growth performance in naturally and artificially reared goats <i>A. Mavrommatis, P. Kyriakaki, R. Andreaki, K. Petropoulos, V. Kotsampasi, C. Balaskas, E. Tsiplakou</i>	449
9:15	Acid-neutralising capacity of different commercial dietary buffers <i>M. Simoni, G. Boldrin, L. Mantovani, F. Righi</i>	450
9:30	Effects of β -mannanase supplementation on growth performance, nutrient digestibility, intestinal morphology and immunity in weanling pigs fed with low energy diet <i>P. Neves Silvestre, S. H. Ha, S. D. Choi, S. S. Lee, J. Y. Mun, J. S. Kim</i>	450
9:45	Selenium and Zinc Biofortification in Black Soldier Fly Larvae <i>A. Moradei, V. Sele, C. Jucker, A. Luciano, L. Pinotti, P. Premarajan, M. Ottoboni</i>	451
10:00	Effects of dietary supplementation with microalgae <i>Schizochytrium</i> spp and <i>Nannochloropsis gaditana</i> on rumen microbial community, enzymatic activity and fermentation of dairy ewes <i>A. Mavrommatis, D. Skliros, P. Kyriakaki, R. Andreaki, F. F. Satolias, E. Godevenou, N. V. Karakonstanti, E. Fletmetakis, E. Tsiplakou</i>	451
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10:45	The effect of a microbial cell protein on weaned piglets' growth performance <i>A. M. S. Huting, N. W. Thorringer</i>	452
11:00	Potential of selected, heat-treated peat meal as a dietary component for alleviating mycotoxin-induced challenges for pigs and poultry <i>H. Kettunen, J. Vuorenmaa</i>	452
11:15	Enhancing Growth and Nutrient Utilization of Pigs with N-Carbamylglutamate Supplementation <i>S. Ha, A. Hosseindoust, J. Mun, H. Tajudeen, S. A. Park, J. S. Kim</i>	453
11:30	Hybrid-rye as alternative cereal for feeding of dairy calves: effects on performance and rumen fermentation <i>B. Metzler-Zebeli, F. Penagos-Tabares, M. Flessner, N. Wackwitz, D. Klein-Jöbstl</i>	453
11:45	Commission meeting (with elections and discussion on next year's program)	
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41.12	Effects of astaxanthin supplementation on diarrhea and rumen fermentation in dairy calves <i>R. Fukami, Y. Osawa, D. Kuwahara, K. Murayama, S. Kushibiki, T. Sugino</i>	454

41.13	Dietary yeast hydrolysate improved production performance and reduced milk somatic cell count of dairy cows under an organic production system	454
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41.15	Maize can be partially replaced by sugar beet in the diet of goat kids in order to reduce the carbon footprint of caprine meat production systems	455
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41.18	Global environmental impacts of feed production were reduced and growing pig performance was maintained by adding phytase and reducing phosphorus, calcium and amino acids	457
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41.19	Effect of Rumiviv' phytochemicals on protein degradation using in-sacco method	457
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Session 42. Understanding complex trait: focus on phenotypic variability

Room: Brussel (Congress)

Chair: Asti / Pocnic

Session Type: Free communications (bottom-up)

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8:45	Calves and their consideration in genetic evaluation in Fleckvieh	461
	<i>B. Fuerst-Waltl, C. Fuerst</i>	
9:00	Genetic relationship between environmental variability at birth and pre-weaning weights in a selected population of Iberian pigs	462
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9:45	Potential for genomic selection against bovine spastic syndrome (Crampy)	463
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10:00	Reality check: how well do estimated breeding values predict litter uniformity and phenotypic traits	464
	<i>K. Hooyberghs, S. Goethals, R. Meyermans, L. Chapard, S. Millet, S. Janssens, N. Buys, W. Gorssen</i>	

10:15 Coffee Break

10:45	Genetics of iris pigmentation in Swiss pig breeds	464
	<i>W. Gorssen, N. K. Kadri, N. Khayatzaadeh, H. Pausch</i>	
11:00	Using Encrypted Genotypes and Phenotypes for Reproducible and Collaborative Genomic Analyses to Maintain Data Confidentiality	465
	<i>D. Li, T. Zhao, J. Dekkers, R. Mott, H. Cheng</i>	
11:15	Identifying influential observations in variance component estimation: A Gamma regression equivalent to REML	465
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11:30	Commission meeting (with elections and discussion on next year's program)	

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42.37	Genetic selection against twin births in Holstein cattle: A promising approach for improved animal welfare	479
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Session 43.

Ethics in research: does it hamper innovation?

Room: Orangerie (Congress)
Chair: Trevisi / Odintsov Vaintrub
Session Type: Challenge session

	Theatre Session 43	Book of Abstracts page
8:30	The role of ethics in research innovation <i>invited J. Van Milgen, G. Bee</i>	479
8:45	PIGWEB guidelines for enhancing experimental design in pig research <i>invited C. De Cuyper, B. Ampe, R. Westin, S. Millet</i>	480
9:00	Ethical Approval and Review in Digital Welfare Research: Navigating the Space Between Research Institutions and Industry <i>invited D. Foy</i>	480
9:15	Group discussion part 1 <i>P. Trevisi</i>	
10:15	Coffee Break	
10:45	Group discussion Part 2 <i>P. Trevisi</i>	
11:30	Commission meeting (with elections and discussion on next year's program)	

Session 44.

Challenge session: Keeping animals intact

Room: Strassbourg (Congress)
Chair: Blanco-Penedo / Waiblinger
Session Type: Challenge session

Theatre Session 44		Book of Abstracts page
8:30	Painful husbandry procedures in alternative pig farms: Frequency and farmers' perceptions <i>M. Delsart, S. Parois, E. Boudin, V. Dorenlor, F. Eono, E. Eveno, S. Kerphérique, G. Poulain, M. Souquiere, N. Rose, C. Fablet</i>	481
8:45	Effect of magnesium supplementation in the feed on blood magnesium and cortisol level as well as tail lesions in pigs <i>C. Jensen, P. Nison, T. Jacquerot, P. Sandøe, I. Czycholl</i>	481
9:00	Collaborative research to support the ban of castration in organic pig production <i>M. Aluwé, L. Romeyns, A. Van Den Broeke</i>	482
9:15	Why should farm animals be kept intact, and what does this mean for their welfare? <i>invited U. Knierim</i>	482
9:45	Challenge session: Keeping animals intact - why the lack of progress? (Part 1) <i>I. Blanco Penedo, L. Boyle, S. Waiblinger</i>	483
10:15	Coffee Break	
10:45	Challenge session: Keeping animals intact - why the lack of progress? (Part 2) <i>I. Blanco Penedo, L. Boyle, S. Waiblinger</i>	483
11:30	Commission meeting (with elections and discussion on next year's program)	

Session 45.

Livestock efficiency versus physiological limits: opportunities and constraints

Room: Grenoble (Congress)
Chair: Sauerwein / Huber
Session Type: Theme session

Theatre Session 45		Book of Abstracts page
8:30	Disproportionality in high-performing farm animals <i>K. Huber</i>	484
8:35	Keel bone fractures in egg-laying hens <i>invited I. Thøfner, P. Gretarsson, K. Kittelsen, Å. Søvik, C. C. Shih, C. Villa, R. O. Moe, I. Toftaker, J. Dahl, J. P. Christensen</i>	484
9:05	Options for improving the growth of low-birthweight piglets with optimisation of protein nutrition and functional amino acid supplementation <i>invited Q. Sciascia, C. C. Metges</i>	485
9:35	Tail tip lesions in dairy cows - a summary of what's new about the old <i>invited P. V. Kremer-Rücker, K. M. Weber</i>	485
10:05	Clustering of milk lactose dynamics across lactation in dairy cows <i>486A. Hamon, M. Arnal, S. Lemosquet, M. P. Sanchez, R. Lefebvre, L. Mériaux, J. Guinard-Flament</i>	
10:20	Coffee Break	
10:45	How harsh environmental conditions affect lifetime efficiency in ewes <i>L. S. Kierkegaard, L. Puillet, B. A. Åby, Ø. Holand, G. Klemetsdal, G. Steinheim, N. C. Friggens</i>	486
11:00	Metabolomic Profiling of Milk from Grazing Beef Cows with Divergent Residual Feed Intake <i>M. Londono-Mendez, Z. Mozduri, S. Lasso-Ramirez, V. Ramirez-Sepulveda, C. Fitzsimmons, G. Plastow, E. Bork, J. Basarab, G. Silva</i>	487
11:15	Metabolomic Profiling Reveals Growth Implant Effects on Key Metabolic Pathways in Beef Calves <i>S. Lasso-Ramirez, Z. Mozduri, M. Londono-Mendez, G. Plastow, H. A. Lardner, G. M. Silva</i>	487

11:30	Effects of mechanical milking pulses on bovine mammary cells <i>N. Zaharoni, G. Dabby, L. Toledano, E. Bar Shira, Y. Brill Karniely</i>	488
11:45	Can the milk metabolome be used to predict the health of dairy cows in relation to tail tip lesions? <i>K. M. Weber, P. V. Kremer-Rücker, K. Huber</i>	488
12:00	Commission meeting (with elections and discussion on next year's program)	

Session 46. Innovation and insect production enhancing efficiency through genetics technology and biology

Room: Freiburg (Congress)
Chair: Sandrock / Maselyne
Session Type: Challenge session

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8:30 Optimizing <i>Hermetia illucens</i> egg production <i>C. Coudron, D. Deruytter, J. Claeys</i>	489
8:45 Reproductive Performance in <i>Hermetia illucens</i> (Diptera:Stratiomyidae): The Role of Adult Body Size <i>Y. Riabtseva, B. Grodzki, M. Tejeda, M. Bolard</i>	489
9:00 Simulation of a black soldier fly breeding program considering production and inbreeding <i>L. Büttgen, A. N. Saputri, J. E. Nugroho, A. C. Bouwman</i>	490
9:15 Threshold selection for larval body weight in Black Soldier Flies <i>A. C. Bouwman, A. N. Saputri, L. Büttgen, J. Van Schelt, J. E. Nugroho</i>	490
9:30 Genetic parameters for larval size and dry matter content in the black soldier fly (<i>Hermetia illucens</i>) reveal potential for selective breeding <i>R. M. Zaalberg, L. B. Andersen, L. S. Hansen, G. Gebreyesus, M. Henryon, K. Jensen, H. M. Nielsen</i>	491
9:45 The influence of yeast and glucose supplementation on <i>Tenebrio molitor</i> progeny <i>J. Claeys, C. L. Coudron, D. Deruytter</i>	491
10:00 Improving the reproductive output in <i>Tenebrio molitor</i> by using agar-agar as nutrient carrier <i>A. Resconi, C. Adamaki-Sotiraki, L. Gasco, C. Athanassiou</i>	492
10:15 Coffee Break	
10:45 Pedigree reconstruction in honeybees using different sources of genotypic information <i>L. Strachan, J. Bubnič, A. Marinč, A. Moškrič, J. Prešern, G. Gorjanc, J. Obšteter</i>	492
11:00 Effective population size in honeybees from SNP data in simulations with examples from Central Europe <i>R. Bernstein, J. V. Huml, M. Du, G. Soland-Reckeweg, A. Hoppe</i>	493
11:15 Association Between Gut Microbiota Diversity and Varroa Mite Infestation in a Honey Bee Breeding Population <i>M. G. De Iorio, F. Tiezzi, G. Minozzi</i>	493
11:30 Using geometry, maths and computers to better understand insect nutrition <i>J. Morimoto</i>	494
11:45 Commission meeting (with elections and discussion on next year's program)	
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46.12 Optimizing Black Soldier Fly Breeding: The Role of Humidity and Facilities <i>I. C. C. Bez, K. H. Filipak, V. F. Souza, M. W. Siqueira, S. H. Weber, L. B. Costa</i>	494
46.13 Evaluation of Black soldier fly larvae (<i>Hermetia illucens</i>) production under sub-optimal low-cost conditions <i>M. Kerst, A. Raza, S. Pauling</i>	495
46.14 Navigating Climate Challenges: Future Directions for Resilient Beekeeping Practices in Slovenia <i>M. I. Smodiš Škerl</i>	495

Session 47.

Small Ruminant Genetics: Genomic and Molecular Approaches

Room: New Orleans (Congress)

Chair: Hadjipavlou / Rahmatalla

Session Type: Free communications (bottom-up)

	Theatre Session 47	Book of Abstracts page
8:30	Genome-wide and Chromosome-wise Diversity Studies in Selected Goat Breeds from Asia, Africa, and Europe <i>invited</i> U. Meyer, S. Rahmatalla, G. A. Brockmann, E. M. Strucken	496
9:00	Genomic diversity and population structure of Nubian goats: Ancestry of Anglo-Nubian S. Rahmatalla, G. B. Neuman, P. Korcuć, D. Arends, E. M. Strucken, G. Tarekegn, S. Gaouar, H. Abdel-Shafy, J. Conington, M. Reissmann, M. K. Nassar, G. A. Brockmann	496
9:15	Assessment of the connection between Manech Tête Rousse and Latxa Cara Rubia dairy sheep populations I. Granado-Tajada, E. Ugarte, J. M. Astruc, S. T. Rodríguez-Ramilo	497
9:30	Exploring the genetic diversity of fat-tailed Chios and thin-tailed Frizarta dairy sheep A. Argyriadou, S. Michailidou, G. Banos, G. Arsenos	497
9:45	Genetic diversity and population structure of local goat breeds in Burkina Faso using SNP Markers B. Akounda, D. Ouédraogo, A. Soudré, G. Mészáros, P. Burger, B. D. Rosen, C. P. Van Tassel, J. Sölkner	498
10:00	Identification of Functional SNPs Affecting Alternative Splicing in Sheep Challenged with Gastrointestinal Nematode Infections K. Sinhalage, N. Karrow, V. Asselstine, B. Mallard, A. Cánovas	498
10:15	Coffee Break	
10:45	Identification of Candidate Genes for Heat Adaptation in Hair Sheep: A Comparative Liver Gene Expression Study C. Titto, M. Pantoja	499
11:00	Commission meeting (with elections and discussion on next year's program)	

Session 48.

Gamification/Serious Games approaches to realise sustainable livestock systems

Room: Forum 1 (Messe)

Chair: Teixeira da Silva Siqueira / Martel

Session Type: Early-career Scientists's session

	Theatre Session 48	Book of Abstracts page
8:30	Definition, interests and usages of serious games in agricultural context <i>invited</i> G. Martel, M. Grillot, S. Dermat	499
8:45	Tierschutz erLeben – Enhancing Animal Welfare Education through Gamified Learning <i>invited</i> I. Iurgel, A. Waldmann, J. M. Kalb, A. Parente, A. Hariharan, D. Malinko, I. Decher, M. Covic, M. Weller, S. Wiedemann	500
9:00	Implementing circularity of agricultural products in a region: is it that easy? Raising awareness on its complexity with an educative serious game <i>invited</i> M. Grillot, G. Martin	500
9:15	COWLEARNING - The complex world of dairy and beef supply – an Alternate Reality Game <i>invited</i> C. Fischer, S. Waiblinger, A. Frangenheim, A. Rademann, M. Schneider, P. Ehmann, T. Aslan, M. Penker	501
9:30	The « farmer's and advisory journey », a tool for advisors to reflect on change in farming and their role as advisors <i>invited</i> F. Bedoin, C. Evrat Georgel	501
9:45	ARTIFICE, a serious game to boost crop-livestock integrations at local level <i>invited</i> C. Derbecq, V. Thénard	502
10:00	Dynamix serious game : a Swiss knife to co-design collaborations between neighbouring crop and livestock farmers? <i>invited</i> J. Ryschawy, M. Grillot	502

10:15 Coffee Break

- 10:45 Highlighting the services of cattle farming in Madagascar central highlands through a serious game 503
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Session 49. Dual purpose and endangered breeds: adaptation to climate change and grass-based production system

Room: Forum 2 (Messe)

Chair: Cesarani / Dohme-Meier

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Room: Seminar 1+2 (Messe)

Chair: Druyan / Gautier

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Session 51.

Advances in Equine Genomic Tools and Applications

Room: Sky Lounge (Messe)
Chair: Mantovani / Tan
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Session 53.

Technical, economic and organizational innovations to meet consumers and stakeholders expectations in the beef industry

Room: Innsbruck (Congress)
Chair: Hocquette / Pethick
Session Type: Theme session

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Room: Brussel (Congress)
Chair: Karatzia / Lebreton
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Session 55.

Supporting piglet development through early-life nutrition with special focus on colostrum/ milk supply and automated feeding systems

Room: Orangerie (Congress)
Chair: Girard / Trevisi / Metges
Session Type: Theme session

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15:45 Coffee Break

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55.13	Glutamine and glucose oxidation and intestinal absorption capacity in low and normal birthweight suckling piglets supplemented orally with glutamine at 2–15 days of age <i>D. De Leonardis, S. Goers, A. Vernunft, J. Zentek, Q. Sciascia, C. C. Metges</i>	554
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55.15	Easy and fast prediction of sow milk immunoglobulins and main milk components using mid-infrared analysis of milk and colostrum <i>C. Grelet, J. Leblois, S. Dufourny, E. Arevalo Sureda, M. Schroyen, J. Wavreille, F. Dehareng</i>	555
55.16	The importance of paternal influence on the survivability and vitality of piglets <i>S. Dicks, C. Große-Brinkhaus, M. Friedrichs, S. Lohmann, E. Tholen</i>	556
55.17	Review of technologies to measure pig body temperature <i>J. Sloomans, K. Put, J. Maselyne</i>	556

Session 56.

Production diseases in cattle

Room: Strassbourg (Congress)
Chair: Lopreiato / Morgan
Session Type: Theme session

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14:30	Production diseases reflect production intensity - consideration of the OneWelfare implications <i>invited L. Boyle</i>	557
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15:00	Sustainability in Meat Production: A Preliminary Analysis of Beef Cattle Farms in Veneto (Italy)	557
	<i>C. Marcon, A. Menini, L. Magrin, A. Stiletto, E. Giampietri, S. Trestini, F. Gottardo</i>	
15:15	Biosecurity in dairy buffalo from 2018 to 2023 assessed by ClassyFarm check list in Campania Region	558
	<i>D. Vecchio, G. Di Vuolo, F. Scali, C. D. Ambra, G. Cappelli, M. Serrapica, A. M. Maisano, G. Santucci, G. L. Alborali, V. Lorenzi, F. Fusi, M. Orrico, S. Gabriele, L. Bertocchi, M. Esposito, M. Ottaiano, E. De Carlo</i>	
15:30	Towards an effective farm evaluation: Methods, barriers and best practices of record-keeping in Indonesian smallholder dairy farmers	558
	<i>Y. Resti, W. Zollitsch, S. Indriasari, B. P. Purwanto, M. Wurzinger</i>	

15:45 Coffee Break

16:15	Self-reported dry-off procedure in 21 commercial Irish dairy herds	559
	<i>P. Silva Bolona</i>	
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	<i>P. Silva Bolona</i>	
16:45	Effects of lactoferrin on the growth and biofilm formation activities of mastitis-associated Enterobacteriaceae pathogens	560
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17:00	Antimicrobial component concentrations in milk at dry-off and postpartum and their association with new high somatic cell counts at the quarter level in dairy cows	560
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17:15	Modifications of the Dutch functional hoof trimming method may increase the risk of hoof lesions in cattle	561
	<i>E. Telezhenko, F. Åkerström, A. Nyman</i>	
17:30	Transcriptomic characterisation of cattle lameness (CHDL) susceptibility in blood and foot biopsies	561
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17:45	Investigating cattle response to digital dermatitis using single cell RNA sequencing and in vitro data	562
	<i>A. Hinsu, A. Sato, K. Bao, E. Attree, A. Anagnostopoulos, N. Siachos, A. Gillespie, D. Guest, D. Xia, D. Werling, N. Evans, G. Banos, G. Oikonomou, A. Psifidi</i>	
18:00	End of session	

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56.14	Impact of Besnoitia besnoiti Seropositivity on Seminal Quality in Beef Bulls Under Extensive Management	563
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	<i>H. Espiritu, E. J. Valet, M. H. Jung, S. S. Lee, Y. I. Cho</i>	
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	<i>L. Bartoň, M. Štolcová, E. Kašná</i>	
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56.19	Examining factors affecting Treponema phagedenis abundance in foot swabs taken from dairy heifers	566
	<i>E. Heideman, A. Anagnostopoulos, G. Oikonomou, N. Evans, V. Bay, J. Urbaniec</i>	
56.20	Autoantibodies in colostrum and plasma of cows and calves and its relation with dry period length	566
	<i>N. Mayasari, A. Van Kneegsel, E. Graat</i>	

56.21	Behavioral and production differences in Holstein cows with known severity of rumen acidosis transitioned from low to high-grain diets	567
	<i>R. M. Atif, P. Biber, T. Hartinger, E. Castillo-Lopez, N. Reisinger, Q. Zebeli</i>	
56.22	Detection of Treponemes in popliteal lymph nodes of dairy cattle with and without Digital Dermatitis lesions	567
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Session 57. Trans- and intra-generational effects and epigenetic mechanisms - (Joint with genetic)

Room: Grenoble (Congress)
Chair: Kiefer / Macciotta
Session Type: Theme session

	Theatre Session 57	Book of Abstracts page
14:30	Uses of DNA methylation data to understand variation: from studies in humans to applications in livestock <i>invited</i> P. Navarro	568
15:00	The RUMIGEN EpiChip: a versatile, medium density DNA methylation BeadChip for large population studies in cattle <i>V. Costes, A. Lopez-Catalina, A. Raja Ravi Shankar, A. Chaulot-Talmon, G. Costa-Monteiro-Moreira, Z. Cai, G. Sahana, M. Boussaha, S. Fritz, E. Ibeagha-Awemu, N. Bissonette, J. Powell, P. Navarro, S. Clarke, A. Coulton, G. Foucras, D. Rico, R. Lefebvre, K. Takeda, E. Kobayashi, C. Le Danvic, L. Schibler, H. Jammes, O. Gonzalez-Recio, C. Patry, H. Kiefer</i>	568
15:15	Harnessing RUMIGEN EpiChip data to predict dairy cow performance <i>M. P. Sanchez, F. Besnard, V. Costes, C. Fouéré, C. Patry, C. Le Danvic, G. Costa Monteiro Moreira, A. Asset, M. Boussaha, H. Jammes, S. Fritz, H. Kiefer, D. Boichard</i>	569
15:30	Applying the RUMIGEN Methylation Array to Identify Epigenetic Markers Associated to fetal development during maternal lactation in Cattle <i>A. López-Catalina, M. Gutiérrez-Rivas, Ó. González-Recio</i>	569
15:45	Epigenetic Signatures of Prenatal Heat Stress: Persistent DNA Methylation Changes in Blood of Dairy Calves <i>A. Boucher, H. Martin, M. Oudihat, J. Laporta, M. A. Sirard, V. Ouellet</i>	570
16:00	Coffee Break	
16:15	Adaptation of concepts and frameworks from human epigenetics to livestock epigenetics <i>invited</i> F. Lyko	570
16:45	Towards a comprehensive bovine lncRNA Atlas: Multi-tissue transcriptomic profiling in cattle <i>M. Bhati, J. Prendergast, A. Tenesa</i>	571
17:00	Bovine sperm sncRNAs vary according to bull fertility <i>V. Costes, C. Le Danvic, A. Bonnet, S. Marthey, A. Frambourg, H. Jammes, L. Schibler, E. Sellem</i>	571
17:15	Breed-specific small RNA profiles in pig sperm <i>A. Asratian, S. Isacson, U. Örtengren Kugelberg, C. Walsh, A. Öst</i>	572
17:30	Using the sperm methylome to predict Holstein bull fertility : creation and comparaison of machine learning-based models <i>A. Asset, V. Costes, A. Raja-Ravi-Shankar, C. Le Danvic, C. Hozé, F. Jaffrezic, H. Kiefer, D. Makowski</i>	572
17:45	DNA Methylation Dynamics during Goat Spermatogenesis <i>N. Santhanam, A. Bonnet, V. Costes, A. Chaulot-Talmon, M. André, S. Messiaen, G. Livera, B. Mandon-Pépin, M. Pannetier, H. Kiefer</i>	573
18:00	End of session	

Session 58.

The safety and sustainability of the insect sector

Room: Freiburg (Congress)
Chair: Veldkamp / Gligorescu
Session Type: Theme session

	Theatre Session 58	Book of Abstracts page
14:30	Effects of pesticide residues in substrates on reared insects <i>N. Meijer, S. Naser El Deen, T. Veldkamp</i>	573
14:45	Insect rearing on livestock residues: How to combine sustainability and safety? <i>M. C. Lecrenier, M. Dallaire-Lamontagne, M. Gosselin, M. Dieu, A. Anselmo, O. Fumière, P. Renard, M. H. Deschamps</i>	574
15:00	Research as a foundation for legislative decision-making: utilizing canteen waste as a substrate for black soldier fly <i>S. Bellezza Oddon, Z. Loiotine, R. L. Passaro, D. Nucera, I. Biasato, J. P. Salvatico, L. Gasco</i>	574
15:15	Comprehensive screening of different mixtures of agricultural by-products for black soldier fly larval performance, body composition and microbial landscapes across production scales <i>C. Sandrock, G. Rossi, J. Wohlfahrt, M. Wittwer, F. Schindler, L. Rossi Ribeiro, T. Stadlander, A. Lemme, J. Kowalczyk, A. Abdelfattah, O. Schlüter, C. Lambertz</i>	575
15:30	Authentication of insect-derived products by real-time PCR and High-Throughput Sequencing <i>B. Dubois, A. Marien, S. Guillet, J. F. Morin, B. Lorrette, G. San Martin, F. Debode</i>	575
15:45	Coffee Break	
16:15	Authentication of insect-based products : use of Near Infrared Microscopy to highlight inconsistent labelling <i>A. Anselmo, A. Marien, J. A. Fernández Pierna, V. Baeten</i>	576
16:30	Rice by-products as rearing substrates for black soldier fly <i>Z. Loiotine, S. Bellezza Oddon, A. Resconi, R. L. Passaro, T. Silvetti, M. Brasca, J. Bacenetti, L. Gasco, I. Biasato</i>	576
16:45	Assessment of the interest price of three products from black soldier fly larvae used to feed fast-growing broilers <i>B. Méda, P. Belloir, T. De Rauglaudre, E. Baéza, C. Trespeuch</i>	577
17:00	StayPrime: Revolutionizing Black Soldier Fly Larvae (BSFL) Juvenile Logistics for Decentralized Production <i>F. Schubert, A. Katsanis, A. Gligorescu</i>	577
17:15	End of session	

Session 59.

Restoring small ruminant populations after natural disasters and pandemics and effectively supporting farmers (Challenge session in collaboration with Med WG)

Room: New Orleans (Congress)
Chair: Dadousis / Wurzinger
Session Type: Challenge session

	Theatre Session 59	Book of Abstracts page
14:30	Restoring Ruminant Herds After Disaster Events <i>invited G. Vroegindewey</i>	578
15:00	Navigating Epidemics Amidst Climate and Livestock Restoration Challenges: Lessons from the recent PPR and Capripox Outbreaks in Greece <i>invited G. Valiakos</i>	578
15:30	Balancing biosafety and free-range farming: Contribution of an action research on biosafety for pig farming in Corsica <i>invited B. Trabucco, F. Casabianca</i>	579
16:00	Coffee Break	
16:15	Improving Food Security and Pandemic Preparedness in livestock <i>invited C. Dadousis, A. D. Whetton, S. K. Armstrong, N. Geifman</i>	579

16:30	An Entrepreneurial Ecosystem Approach for Climate-Smart Small Ruminant Production in Pastoral Communities	580
	<i>invited J. Ojango, W. Sila, I. Mukalo, J. Okoth, E. Oyieng, N. Ndiwa, J. Rao</i>	
16:45	Community-Based Breeding Programs Enhance Farmer Adaptation to Climate Change in Ethiopia	580
	<i>E. Rekik, H. Ouerghemmi, Z. Abate, M. Wurzinger, J. Sölkner, T. Getachew, B. Rischkowsky, D. Solomon, S. Besufkad, A. Haile</i>	
17:00	End of session	

Session 60. Future proofing our livestock species using crossbreeding strategies

Room: Forum 1 (Messe)

Chair: Kargo / Schiavo

Session Type: Theme session

	Theatre Session 60	Book of Abstracts page
14:30	Improved competitiveness of dairy producers through systematic crossbreeding – a holistic view <i>J. R. Thomasen, J. B. Clasen, A. Fogh, S. Østergaard, H. M. Nielsen, M. Kargo</i>	581
14:45	Accurate determination of breed origin of alleles in a simulated smallholder crossbred dairy cattle population <i>B. Welderufael, I. Houaga, R. C. Gaynor, G. Gorjanc, J. M. Hickey</i>	581
15:00	Crossbreeding strategies for improved adaptability and productivity in small-scale cattle systems <i>S. F. U. Vanvanhossou, T. Yin, G. Gorjanc, S. König</i>	582
15:15	Evaluating genotype-by-environment Interactions in Ethiopian Dairy Systems: Implications for Crossbreeding Strategies <i>M. Spoelstra, G. Dhuguma, A. Ebro, J. Van Der Lee, J. Ten Napel</i>	582
15:30	The importance of trait stability in crossbreeding: uncovering the impacts of genotype-by-environment interaction <i>G. Mafra Fortuna, D. Tolhust, G. Gorjanc</i>	583
15:45	Coffee Break	
16:15	Consequences of including CO2 taxes in the selection index of the Danish Blue line used for beef on dairy crossbreeding <i>M. G. Magnussen, A. Bouquet, H. M. Nielsen, J. R. Thomasen, L. Hjortø, J. L. Voergaard, M. Kargo</i>	583
16:30	Genetic correlations between feed efficiency, methane emission and the traits in the Danish BeefxDairy evaluation <i>L. Hein, K. K. Johansen, A. J. Buitenhuis, H. Liu, E. Karaman</i>	584
16:45	Dynamic breed definition for admixture Nordic Red dairy cattle – An ad-hoc approach for modelling heterosis in genomic evaluation for production traits <i>T. Pitkänen, M. Koivula, M. Taskinen, J. Pösö, U. Nielsen, M. Lidauer</i>	584
17:00	Deep Learning for Crossbred Genomic Prediction: Integrating Transfer Learning and Heterosis Effects <i>F. Shokor, P. Croiseau, H. Gangloff, S. Fritz, T. Mary-Huard, B. Cuyabano</i>	585
17:15	Harnessing Genetic Selection to Combat PRRS: Evidence from a Multiyear, Multiline Study <i>C. A. Sevillano, E. F. Knol, J. R. Dunkelberger</i>	585
17:30	Improving efficiency and robustness of introgression by the use of haplotype-based founder detection <i>J. Geibel, C. M. Sun, C. Reimer, M. Schmutz, D. Caverio, R. Preisinger, H. Simianer, S. Weigend</i>	586
17:45	The role of dominance in laying hen breeding schemes including crossbreeding information <i>M. Sánchez Díaz, N. Ibañez Escriche, D. Lopez Carbonell, L. Varona</i>	586
18:00	End of session	
	Poster Session 60	Book of Abstracts page
60.13	Farmers' views on production systems, management and breeding strategies for beef on dairy cattle crosses in Sweden <i>V. Ekenberg, L. Rydhmer, M. Jardestedt, C. Bengtsson, F. Fikse, E. Strandberg, S. Eriksson</i>	587
60.14	Fast and accurate estimation of breed origin of alleles in crossbred populations <i>D. Boichard, I. Croué, L. H. Maugan, R. Saintilan, S. Fritz, P. Croiseau</i>	587

Session 61.**Strategies in animal nutrition impacting animal health and carry over effects**

Room: Forum 2 (Messe)

Chair: Bruggeman / Alvarez-Rodriguez

Session Type: Theme session

Theatre Session 61		Book of Abstracts page
14:30	Influence of an active form of Vitamin D combined with triterpenes on lactating sows productive performance, plasma calcitriol status, immunity markers and serum proteome <i>L. Marchetti, R. Rebucci, C. Piantoni, G. Tedeschi, E. Maffioli, V. Bontempo</i>	588
14:45	Tributyrin: a solution to enhance growth performance in low mature pigs <i>T. Hulshof, M. O. Wellington, L. Fabà</i>	588
15:00	The SID Thr and total dietary fibre (TDF) ratio in piglet diet affects intestinal development and mucin secretion <i>M. Wellington, T. Hulshof, H. Van Hees</i>	589
15:15	The effect of dietary micelle quercetin supplementation on growth performance, nutrient digestibility, gas emission, fecal score, and blood profile in growing-finishing pigs <i>E. Ko, J. Eom, G. S. Ahammad, K. Han, I. H. Kim</i>	589
15:30	Nitrogen and Phosphorus reduced feeding strategies and its influence on bone related traits in Landrace boars <i>C. Große-Brinkhaus, M. Hoffmann, E. Jonas, R. Lohmayer, D. Brüggemann, E. Tholen</i>	590
15:45	Coffee Break	
16:00	Supplementation of Energy-Reduced Diets with Enzy Carboplus Shows a Positive Impact on Growth Performance and Nutrient Digestibility of Fattening Pigs <i>R. Khurana, R. Janßen, K. Männer, J. Zentek</i>	590
16:15	Metabolomic Analysis of Obesity-Related Changes and the Effects of an Anti-Obesity Supplement in Beagle Dogs <i>B. S. Yu, M. Yu, Y. Choi, Y. Oh, Y. Park, Y. Cho, I. H. Kim, K. Han</i>	591
16:30	Effect of 25-OH-cholecalciferol on performance and mineral metabolism of Holstein cows during the transition period <i>S. Lashkari, N. B. Kristensen, T. D. Turner, M. Larsen, S. K. Jensen</i>	591
16:45	The effect of buffering dairy cow diets with micronised calcite coated with stearic acid on milk yield, ruminal pH, and blood gases <i>C. Uyarlar, E. E. Gültepe, H. Köse, D. Güler</i>	592
17:00	A specific magnesium oxide blend improves ruminal pH, milk production and milk quality in lactating dairy cows on grazed grass <i>A. Courillon, M. Baudon, J. Le Cour Grandmaison, M. Newman, C. J. Byrne</i>	592
17:15	Effect of time of application of ethyl esters of polyunsaturated fatty acids of linseed oil on growth performance of dairy calves <i>M. K. Baba, J. Flaga, Z. M. Kowalski</i>	593
17:30	The effect of saponins and citroflavoids based-feed additive in managing cryptosporidiosis in calves <i>H. Bui, N. Sharapova, A. Benarbia</i>	593
17:45	Supplementing a Bacillus-based probiotic improves rumen digestibility and fermentation responses in growing beef heifers <i>R. Cooke, I. De Souza, B. Cappellozza</i>	594
18:00	Effect of isoquinoline alkaloids on health, blood parameter, gut inflammatory status and growth in beef cattle during the adaptation period <i>S. Grossi, M. Dell'Anno, C. A. Sgoifo Rossi</i>	594
18:15	End of session	
Poster Session 61		Book of Abstracts page
61.15	Assessing the impact of <i>Saccharomyces cerevisiae</i> boulardii CNCM I-1079 on performance in healthy – non-antibiotic treated pre-weaned calves <i>A. M. Hanzek, G. Arsenos, E. Raffrenato, J. H. C. Costa, E. Chevaux, C. Villot</i>	595

61.16	Nutritional interventions to alleviate heat stress in dairy cows: A meta-analysis	595
	<i>A. Irawan, Y. Yanza, A. F. M. Azmi, M. A. Rahman, H. A. Hassim, A. Cieslak, A. Sofyan, A. Jayanegara, M. Gao</i>	
61.17	Corn-wheat diets supplementation with β -Mannanase enhances reproductive performance of lactating sows and growth performance of suckling piglets	596
	<i>W. Zhao, T. X. Li, L. Pu, K. Han, I. H. Kim</i>	
61.18	Daily-Phase Feeding Strategy Modulates Gut Microbiota and Metabolic Pathways to Improve Feed Efficiency in Growing-Finishing Pigs	596
	<i>Q. Jiang, L. Chen, H. Xiao, Z. Xie, X. Yan</i>	
61.19	A Sustainable Approach to Boost Growth and Mitigate Nitrogen Emissions in Pigs by a low protein diet supplemented with probiotics	597
	<i>T. X. Li, W. Zhao, D. K. Kang, I. H. Kim</i>	
61.20	Effects of hydroxytyrosol, undernutrition in late gestation and breed on tocopherols, retinol and cholesterol in colostrum and milk	597
	<i>N. Escalera-Moreno, B. Serrano-Pérez, E. Molina, M. J. Martín-Alonso, L. López De Armentia, A. Noya, A. Sanz, J. Álvarez-Rodríguez</i>	
61.21	Guanidinoacetic acid and its impact on carcass traits of Nellore young bulls finished in the feedlot	598
	<i>L. C. B. Soares, L. K. Huang, G. D. Ramírez-Zamudio, M. E. Ramos, M. G. D. Nascimento, L. P. Maraus, M. G. D. Santos, N. R. B. Cônsolo, S. L. Silva, P. R. Leme</i>	

Session 62. European research infrastructures to support livestock science: whom and how?

Room: Seminar 1+2 (Messe)

Chair: Boichard / Cartick

Session Type: Challenge session

	Theatre Session 62	Book of Abstracts page
14:30	European Research Infrastructures to Support Livestock Science: Whom and How? <i>M. Tixier-Boichard, G. Cartick, E. Clark</i>	598
14:35	The Current Landscape of European Research Infrastructures: Where Do Livestock, Aquaculture, and Insect Science Fit In? <i>invited E. Clark</i>	599
14:55	Biobanking for a Healthier World – introducing BBMRI-ERIC <i>invited J. Kostenzer, J. Pavlic-Zupanc, S. Abdulghani, B. Halmova, P. Holub, E. Shember, T. Steger, A. Wutte, J. K. Habermann, & On Behalf Of The Bbmri-Eric Community</i>	599
15:10	INFRAFRONTIER: Cutting-Edge Human Disease Modelling <i>invited E. Infrafrontier, Y. Herault</i>	600
15:25	SmartCow in the AgroServ project: Giving access to research services to advance the agroecological transition of cattle husbandry <i>invited R. Baumont, M. Jędryczka, B. Kowalik, R. Delagarde</i>	600
15:40	Open Science needs a more open livestock research community – the view of the coordinator of the PIGWEB project <i>invited J. Van Milgen</i>	601
15:55	Coffee Break	
16:10	GenoPHENix – a European research infrastructure to study genome and phenome interactions for sustainable animal production <i>invited R. Baumont, K. Wimmers, M. Boichard, E. Clark, T. Hartwig, E. Labussière, C. Larzul</i>	601
16:25	Platforms and Methods for Sharing and Collaboration on Agricultural Genome to Phenome Using Public and Confidential Data <i>invited H. Cheng, J. Dekkers, J. Steibel, G. De Los Campos</i>	602
16:45	Creating common structure and data access services for animal agriculture in Europe in collaboration with ELIXIR <i>invited A. Sokolov, P. Chua, C. Larzul, E. Clark</i>	602
17:00	Strengthening Collaboration Between European Research Infrastructures and the Private Sector <i>invited G. Cartick, Ç. Caya, A. Granados</i>	603

17:15	The EuroFAANG Research Infrastructure as platform to support new projects in farmed animal G2P research	603
	<i>invited E. Giuffra, H. Acloque, G. Cartick, C. Kühn, S. Lien, D. Macqueen, D. Morgavi, E. Pailhoux, F. Pitel, D. Rocha, T. Zerjal, M. Tixier-Boichard, J. Robertson</i>	
17:40	Challenges to be addressed by a European Research Infrastructure for livestock science	604
	<i>M. Tixier-Boichard, E. Clark, R. Baumont, G. Cartick, A. Granados Chapatte</i>	
18:05	End of session	

Session 63.

Speed-dating session. Abstracts by invitation only

Room: Sky Lounge (Messe)

Chair: Adriaens / Gislou / Obsteter

Session Type: Early-career Scientists's session

	Theatre Session 63	Book of Abstracts page
14:30	Young EAAP session – supervision, work-life balance	604
	<i>J. Obsteter, G. Gislou, I. Adriaens</i>	
18:00	End of session	

Thursday 28 August

Session 64.

Genetics of novel health and welfare traits in species other than dairy cattle

Room: Tirol (Congress)

Chair: Egger-Danner / Sell-Kubiak

Session Type: Theme session

	Theatre Session 64	Book of Abstracts page
8:30	A genetic pathway to reduce the impact of eosinophilic myositis in French cattle breeds	605
	<i>H. Leclerc, C. Grohs, S. Arriudare, M. Drouet, N. Oudot, A. Baur, R. Salesses, P. Plasse, P. Martin, S. Fritz</i>	
8:45	Prospection of resilience indicators and genetic analyses using longitudinal data in dairy sheep	605
	<i>R. Arribas-Gonzalo, P. A. S. Fonseca, R. Pelayo, J. J. Arranz, A. Suárez-Vega, B. Gutiérrez-Gil</i>	
9:00	Genome-wide associations and potential candidate genes for additive-genetic and dominance effects of tail and body characteristics in Merinoland sheep	606
	<i>I. Giambra, J. Mainzer, X. Zhang, T. Yin, S. König</i>	
9:15	Genetic analysis of detection and movement traits in laying hens using ArUco marker-based video tracking data	606
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Session 65.

Nutrigenomics - chances and challenges in animal production

Room: Innsbruck (Congress)

Chair: Kreuzer-Redmer / Kar

Session Type: Theme session

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Session 66.

From Genomic Applications to Societal Perception

Room: Brussel (Congress)

Chair: Kaya / Harlizius

Session Type: Project session

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	<i>M. Courbariaux, O. Rogier, R. Seraphin, S. Eynard, S. Leroux, L. Lagoutte, F. Jaffrezic, A. Rau, T. Burlot, F. Pitel, S. Lagarrigue, T. Zerjal</i>	
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Session 67. Feeding strategies, measurement techniques, and sustainability in mitigating livestock environmental impact

Room: Orangerie (Congress)
Chair: Foggi / Stergiadis
Session Type: Theme session

Theatre Session 67

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8:45	Automated Head-Chamber System (GreenFeed) to Measure Methane Emissions from Dairy Cows Fed Fresh Pasture in Metabolism Stalls <i>K. Garrett, E. Minnee, K. Verhoek, D. Dalley, J. Kay</i>	630
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Session 68.

Future pig and poultry production systems (1)

Room: Strassbourg (Congress)

Chair: Lawlor / Stadnicka / Holinger / Druyan

Session Type: Theme session

Theatre Session 68

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Session 69. Genetic, feeding and management strategies to improve health and reduce the antimicrobial use in calves

Room: Grenoble (Congress)

Chair: Meier / Miglior

Session Type: Theme session

Theatre Session 69

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	<i>J. Urbaniec, P. Davies, N. Noyes, J. Neary</i>	
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69.19	Influence of artificial nipple characteristics on milk intake behavior and quantity in suckling calves	659
	<i>J. Kurek, S. Kaindl, S. Mochkina, A. M. Vorndran, J. Steinhoff-Wagner</i>	
69.20	Tetracycline use on dairy farms influences the presence of tetracycline resistance in commensal <i>E. coli</i> isolated from pre-weaned calves	659
	<i>C. Firth, T. Werner, S. Köberl-Jelovcan, W. Obritzhauser, C. Egger-Danner, A. Käsbohrer</i>	
69.21	The impact of extended versus short duration colostrum feeding and milk replacer type on maiden heifer fertility performance	660
	<i>A. Coates, J. Cooke, A. Anagnostopoulos, J. Neary, J. Graham-Brown, G. Oikonomou</i>	

Session 70. Challenges for livestock physiology: perturbations and adaptation (1)

Room: Freiburg (Congress)
Chair: Montanholi / Zachut
Session Type: Theme session

	Theatre Session 70	Book of Abstracts page
8:30	Histological and molecular signature of in utero hyperthermia in the mammary fat pad of newborn heifers <i>M. C. Guenther, M. N. Myers, J. Daddam, G. A. Contreras, Z. Zhou, J. Laporta</i>	660
9:00	Heat load at birth has a carryover effect on Holstein heifers' age at first calving <i>J. Vegni, G. Visentin, M. De Marchi, B. Merlo, E. Iacono, A. Costa</i>	661
9:15	The negative effect of heat load on the intercalving length in Italian Holstein cows <i>A. Costa, G. Visentin, J. Vegni, B. Merlo, D. Bucci, G. Ballotta, S. Sterup Moore, M. De Marchi</i>	661
9:30	Associations Between Changes in Body Condition Score During the Transition Period and the Milk Fatty Acid Profile <i>R. El Hawat, C. Rovetta, M. A. Mauricio Ramirez, V. Bisutti, A. Vanzin, G. Giannotta, A. Toscano, S. Massaro, D. Giannuzzi, L. Gallo, S. Pegolo, S. Schiavon, A. Cecchinato, F. Tagliapietra</i>	662
9:45	Effect of feed restriction on dynamics of feed intake, milk yield and energy balance in dairy cows <i>Y. Huang, L. Delaby</i>	662
10:00	Impact of various LPS doses on dry matter intake, milk yield and rectal temperature in lactating Holstein cows <i>F. Petrocchi Jasinski, J. E. Mayorga, U. Bernabucci, L. H. Baumgard</i>	663
10:15	Coffee Break	
10:45	Effects of incorporating tributyrin and tricaproin in milk replacer on plasma metabolome and lipoprotein profiles of calves <i>M. H. Ghaffari, H. Sauerwein, L. N. Leal, J. N. Wilms</i>	663
11:00	Rumen-protected grape extract supports milk production in high-producing dairy cows in early lactation under heat stress conditions <i>P. Engler, A. Roques, M. E. A. Benarbia</i>	664
11:15	Metabolic and oxidative stress responses to dietary changes in plasma and milk of Holstein cows in mid to late lactation <i>A. Malik, W. Consortium</i>	664
11:30	Impact of heat stress-derived small extracellular vesicles on bovine immune cell function <i>L. G. De Matos, O. Balbi, G. Salvi, Y. Dadi, M. Penati, F. Cecilian, V. Martini, A. Agazzi, A. Maggolino, P. Depalo, C. Lecchi</i>	665
11:45	Development of a protocol for the Purification and Characterization of S. uberis-derived Extracellular Vesicles associated with bovine mastitis <i>M. Penati, L. G. De Matos, O. Balbi, Y. Dadi, G. Salvi, C. Lecchi, F. Cecilian</i>	665
12:00	Urinary biomarkers as indicators of heat stress in dairy cows <i>S. Magro, M. Penasa, F. Righi, A. Costa, M. De Marchi</i>	666
12:15	End of session	

Session 71. Feeding the critters

Room: New Orleans (Congress)
Chair: Deruytter / Bellezza Oddon
Session Type: Theme session

	Theatre Session 71	Book of Abstracts page
8:30	Mapping, manipulating and mining the microbiota of industrially produced insects: Where do we stand and where do we need to go? Lessons from the black soldier fly <i>invited J. De Smet</i>	666
9:15	Nutritional Modulation in Black Soldier Fly Larvae: Insights into Diet-Insect-Microbe Interactions <i>C. Picard, M. Smith, H. Walt, E. Harris, S. Mcpeek, F. Meyer, F. Hoffman, S. Behmer, J. Tomberlin, H. Jordan</i>	667

9:30	Optimizing Rearing Substrates for Black Soldier Fly Larvae: Hydration and Macronutrient Effects	667
	<i>L. Frootinckx, L. Broeckx, S. Berrens, S. Goossens, C. Ter Heide, A. Wuyts, M. Dallaire-Lamontagne, S. Van Miert</i>	
9:45	Black Soldier Fly (<i>Hermetia illucens</i> L.) Larvae Growth Performance on Composted and Fermented High-Fibrous Residual Streams	668
	<i>T. Veldkamp, E. De Lange, L. Francuski, R. Zheng, S. Naser El Deen</i>	
10:00	BSF under the magnet: $^1\text{H}/^2\text{H}$ -NMR as tool to measure lipid synthesis in black soldier fly larvae	668
	<i>P. Duarte, O. M. C. C. Ameixa, M. Palma, M. Louzado, D. Rodrigues, M. Pinho, I. Viegas</i>	

10:15 Coffee Break

10:45	Nitrogen and amino acid deposition in <i>Tenebrio molitor</i> larvae fed barley-based substrates supplemented with lysine and isoleucine	669
	<i>G. Fondevila, H. Fatmi, P. Fernando, C. Dapoza, M. Fondevila</i>	
11:00	Growth performance and composition of <i>Tenebrio molitor</i> larvae fed on barley substrate supplemented with lysine and isoleucine as limiting amino acids	669
	<i>P. Fernando, H. Fatmi, G. Fondevila, M. Fondevila</i>	
11:15	Nutritional recommendations to optimise growth and survival of young yellow mealworms	670
	<i>T. Añon, M. Cambra-López, B. Fasce, M. D. C. López, J. Franch, J. J. Pascual</i>	
11:30	Optimizing Yellow Mealworm Diets: The Viability of Composted and Ensiled Organic Residual Streams	670
	<i>S. Naser El Deen, C. Ricciardi, T. Veldkamp, N. Steeghs, E. De Lange</i>	
11:45	Evaluating Dairy Waste as a Feed Source for <i>Tenebrio molitor</i> , <i>Alphitobius diaperinus</i> and <i>Hermetia illucens</i> : A Sustainable Approach to Waste Valorization	671
	<i>G. Baliota, S. Zafeiriadis, A. Resconi, C. Adamaki-Sotiraki, G. Karagiorgis, C. Rumbos, C. Athanassiou</i>	
12:00	Antioxidant activities and total polyphenolic content of mealworm growth on herb containing substrates	671
	<i>A. Moradei, T. Spranghers, D. Deruytter, P. Premarajan, L. Pinotti, M. Ottoboni</i>	
12:15	Evaluation of balanced diets with Greek agricultural by-products for growth and development of <i>Tenebrio molitor</i> larvae	672
	<i>F. Kokonaki, C. Adamaki-Sotiraki, C. Rumbos, C. Athanassiou</i>	
12:30	End of session	

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71.13	Effects of feed composition and environmental factors on performance parameters in <i>Tenebrio molitor</i> – a meta-analysis	672
	<i>A. Lucke, A. Liesegang</i>	
71.14	Growth curves: Fundamentals for determining the optimal time of harvest of <i>Hermetia illucens</i>	673
	<i>Y. G. Hernandez Castañeda, C. Pincet, M. Tejeda, M. Bolard</i>	
71.15	Evaluation of pollen availability and quality during a two-year monitoring of a sub-urban area apiary	673
	<i>P. P. Danieli, F. Lazzari, F. Manganello, F. Petrocchi-Jasinski</i>	
71.16	Supplementary nutrition and energy content in honey bees: A comparative study of feeding approaches	674
	<i>M. I. Smodiš Škerl, A. M. Kovač, A. Majoroš, I. Tlak Gajger</i>	
71.17	Effects of varying dietary gross energy levels on growth performance and nutrient deposition in house crickets	674
	<i>S. Khempaka, S. Okrathok, J. T. Schonewille, C. Pukkung, M. Sirisopapong, O. Jantasaeng, P. Pasri</i>	

Session 72.

Wildlife-livestock-human interactions, risks and opportunities

Room: Forum 1 (Messe)

Chair: Pouloupoulou

Session Type: Theme session

Theatre Session 72

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8:30	Knowing how to coexist: a voyage of discovery on the movement of animals in an anthropized world	675
	<i>invited F. Ossi</i>	
9:00	New perspectives on large herbivores in northern Europe	675
	<i>C. G. Thulin, M. Hetta</i>	

9:15	Human–carnivore conflict in North–Eastern Italy: Is coexistence really achievable?	676
	<i>M. Franchini, P. Sartor, A. Zuliani, M. Corazzin, D. Pasut, G. Cozzi, S. Bovolenta</i>	
9:30	Wild ungulates and livestock coexistence in mountain ecosystems: a case study from the Italian Alps	676
	<i>G. Zeni, F. Ossi, C. Vanderlocht, F. Cagnacci, E. Tasser, I. Pouloupoulou</i>	
9:45	Characterisation of the risks to agro-pastoral farming systems linked to the interface with wildlife	677
	<i>M. Virapin, E. Sturaro, G. Brunschwig</i>	
10:00	Factors affecting livestock-wild ungulates co-occurrence in extensive silvo-pastoral system	677
	<i>P. Viola, P. Girotti, G. Bernabucci, F. Spada, S. Compagnucci, C. M. Rossi, B. Ronchi, R. Primi</i>	
10:15	Coffee Break	
10:45	Vulnerability to Wildlife Predators in Extensive Livestock Farming Systems Across Europe	678
	<i>invited D. Martín-Collado, A. Bernués, M. V. Boiani, I. Casasús, F. Marino, F. Marucco, M. Mayer, V. Salvatori, E. Torres, J. Linnell</i>	
11:15	Assessing socio-ecological dynamics: shifts in human attitudes and wolf management alongside recolonisation	678
	<i>C. Schaltegger, L. Andres, V. L. Alessandrello, N. Gerber, A. Ozgul, I. Pouloupoulou, J. Rüdisser, M. Von Arx, G. Cozzi, D. Behr</i>	
11:30	Dog predation on sheep flocks in wolf-free mountains: a synthesis based on surveys carried out in France	679
	<i>G. Brunschwig, A. Pinot, E. Brosse-Genevet, L. Garde, M. Virapin</i>	
11:45	Farmers, Wildlife, and Tourism: Navigating Bio-Cultural Frictions in Alpine Protected Areas of Piedmont, Italy	679
	<i>N. Imoli, L. Zola, L. Battaglini</i>	
12:00	Sensor technology and public engagement ideas to help bridge the Urban / Rural divide over livestock-wolf conflicts in Colorado	680
	<i>C. Isenhardt</i>	
12:15	External biosecurity in outdoor pig farms: Gaps in fencing and wildlife control	680
	<i>M. Delsart, M. Souquiere, E. Boudin, V. Dorenlor, F. Eono, E. Eveno, S. Kerphérique, G. Poulain, N. Rose, C. Fablet</i>	
12:30	End of session	

Session 73. **Feeding, beef semen use, marketing strategies to improve health, well-being, productivity, and climate impact of dairy beef calves in various beef production systems**

Room: Forum 2 (Messe)
Chair: Vestergaard / Devant
Session Type: Theme session

	Theatre Session 73	Book of Abstracts page
8:30	Effect of breed and colostrum quantity fed at birth on carcass traits, meat chemical composition and fatty acid profile in Holstein and Holstein-Angus steers	681
	<i>invited T. Chapelain, M. Kovacs, H. McCarthy, K. M. Wood, M. Duarte, D. L. Renaud, M. A. Steele</i>	
8:45	Understanding the key management strategies to improve health of calves in the veal husbandry	681
	<i>F. Marcato, J. Osaro John, M. Wolthuis-Fillerup, A. Brinkman, K. Van Reenen</i>	
9:00	The effect of origin on calves' health at the rearing farms	682
	<i>S. Marti, L. Llonch, C. García-Vázquez, M. Campàs, Y. Saco, A. Bassols, M. Devant</i>	
9:15	The effect of varying transport and feed withdrawal durations on the physiological status of unweaned calves	682
	<i>L. Van Dijk, S. Siegmann, N. Field, K. Sugrue, C. Van Reenen, E. Bokkers, M. Conneely, G. Sayers</i>	
9:30	Effects of transport and early administration of antibiotics on health of veal calves	683
	<i>F. Marcato, D. Schokker, N. Stockhofe, C. Jansen, J. Osaro John, M. Wolthuis-Fillerup, M. Gilbert, W. Gerrits, K. Van Reenen</i>	
9:45	Modelling antigenic drift of bovine coronavirus in beef-on-dairy calves during a controlled commingling event	683
	<i>J. Urbaniec, P. Davies, J. Neary</i>	
10:00	Milk feeding plan and type of milk fed at the dairy farm is linked to entry weight and performance of veal calves	684
	<i>P. Mölder, A. Willemsma, I. De Carvalho, M. Van De Vosse</i>	

10:15 Coffee Break

10:45	Partial replacement of skim milk powder in calf milk replacer with enzyme treated soybean meal improves nitrogen utilization	684
	<i>N. Anglade, M. Mazur-Kušnerek, T. F. Pedersen, K. Lipinski</i>	
11:00	Skim milk-based or whey-based milk replacer for calves from 4 weeks of age	685
	<i>M. Vestergaard, B. Muhlig, L. B. Gildbjerg, H. L. Martin</i>	
11:15	Predicting feed composition eaten by beef cattle using rumen metagenomic data	685
	<i>S. N. Saez Torillo, T. Q. Nguyen, J. Lima, R. Roehe, M. Martínez Álvaro</i>	
11:30	Use of sunflower (oil and/or seeds) as dietary fat in fattening dairy beef bulls fed high-concentrate diets: performance and enteric CH ₄ emissions	686
	<i>L. Llonch, S. Martí, J. Riera, C. Medinyà, J. Cucurull, A. Pérez, M. Devant</i>	
11:45	Farming system is the main driver of enteric methanogenesis in grass-based veal calves	686
	<i>G. Mesbahi, A. K. Steiner, F. Leiber, J. Werner</i>	
12:00	Increasing slaughter weights of crossbred heifers for higher self-sufficiency of beef increases environmental impacts	687
	<i>invited S. Hietala, K. Manni, A. Huuskonen</i>	
12:15	Profitability and greenhouse gas emissions of dairy-beef steers of divergent beef genetic merit in pasture-based systems	687
	<i>N. Byrne, D. Purfield, N. Mchugh, P. Crosson</i>	
12:30	End of session	

Poster Session 73

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73.15	Effect of breed and colostrum quantity fed at birth on growth, nutrients digestibility and serum profile of Holstein and Holstein-Angus steers from birth to slaughter	688
	<i>T. Chapelain, M. Kovacs, H. McCarthy, K. M. Wood, M. Duarte, D. L. Renaud, M. A. Steele</i>	
73.16	Effect of pasture type on bio-economic dairy-beef heifer system performance	688
	<i>P. Crosson, R. Fox, J. Cardiff, N. Byrne</i>	
73.17	Effects of an intake promoter based on cow's milk aromas on concentrate consumption, growth, and health condition in rearing Holstein dairy beef calves from marketing	689
	<i>M. Verdú, X. Soldevila, J. Cucurull, F. J. Crespo, A. J. Galindo, M. Paniagua</i>	
73.18	Assessment of hydrolyzed yeast as an alternative protein source in milk replacers: Effects on calf health, growth and carcass quality	689
	<i>A. M. Hanzek, D. Bastien, M. Chanteperdrix, M. Gauthier, C. Villot</i>	
73.19	Can sunflower (oil, seeds or by-products) reduce CH ₄ emissions when substituting palm oil on dairy beef calves fed high-concentrate diets? In vitro screening	690
	<i>L. Llonch, S. Martí, G. Verge, J. Riera, C. Medinyà, J. Cucurull, A. Pérez, B. Fernández, M. Devant</i>	
73.20	Which physical form of starter (mash vs. pelleted) is more recommended to promote the intake and optimize performance in rearing Holstein dairy beef calves?	690
	<i>X. Soldevila, J. Cucurull, Y. Saco, R. Peña, M. Verdú</i>	
73.21	Effect of pellet diameter on ruminal fermentation, animal behavior, and performance in fattening Holstein bulls fed with high-concentrate diets	691
	<i>M. Verdú, X. Soldevila, D. Villalba, J. Cucurull</i>	
73.22	Effects of L-carnosine on heat stress-induced oxidative damage, proliferation, and myogenic differentiation in bovine skeletal muscle-derived cells	691
	<i>J. H. Lee, W. S. Kim, X. C. Jin, B. M. Kim, J. S. Lee, H. G. Lee</i>	

Session 74.

Welfare and behaviour measurements using precision livestock farming tools and big data: from validation to application (1)

Room: Seminar 1+2 (Messe)
Chair: Foy / Cartick / Franchi
Session Type: Theme session

Theatre Session 74

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8:30	Opportunities and challenges in automated objective detection of farm animal behavior	692
	<i>invited T. D. Parsons</i>	

9:00	Computer vision based monitoring of fattening pigs: how do pigs move? <i>J. Sloomans, A. Parmiggiani, D. Liu, T. Norton</i>	692
9:15	A computer vision approach to monitor animal-animal interactions in group-housed pigs <i>D. Liu, A. Parmiggiani, T. Norton</i>	693
9:30	Advancing automated detection of social interactions in gestating sows through image analysis <i>A. Blanc, A. Poissonnet, J. Thomas, V. Courboulay, M. Simon, C. Gaillard</i>	693
9:45	Multi-block analyses reveal that standing activity on the day of farrowing and newborn aggression are main factors contributing to litter survival and growth in primiparous sows <i>O. Girardie, D. Laloe, J. Bailly, Y. Billon, I. David, M. Bonneau, L. Canario</i>	694
10:00	Efficiently recording of sow's activity patterns through embedded computer vision <i>J. Magadray, T. Cochou, L. Canario, C. Chesnet, A. Le Dreau, M. Loury, G. Lenoir, B. Ligonesche, J. F. Bompa, M. Bonneau, M. Banville</i>	694
10:15	Coffee Break	
10:45	Effectiveness of a custom-trained model for pose estimation analysis to detect snout-tail interactions under field conditions <i>K. Ivanov, T. Bergamasco, R. Urbani, G. Di Martino, S. Faggion, V. Bonfatti</i>	695
11:00	Study of automated identification of dairy cows using computer vision and RFID technologies <i>C. Giannone, M. Bovo, C. A. Perez Garcia, D. Cavallini, M. Lamanna, A. Formigoni, P. Tassinari, D. Torreggiani</i>	695
11:15	Automated Monitoring of Dairy Cow Behaviour and Feed Competition Using Computer Vision <i>E. McRobert, C. Davison, C. Michie, D. Das, H. J. Ferguson, L. Shewbridge Carter, L. T. Dickson, C. Tachtatzis</i>	696
11:30	Tracking and Behavior Classification of Individual Dairy Cows in a Multi-Camera Setting <i>C. Post, K. Pigulla, T. Wilder, J. Henrich, I. Traulsen</i>	696
11:45	Stress indicators in cow-bonded calf rearing after a short-term separation of cow and calf on day 8 <i>J. Kurek, A. Kurek, S. Huber, E. Zeiler, J. Harms, H. Bernhardt, J. Steinhoff-Wagner</i>	697
12:00	AI That Sees Pain: A Transparent Approach to Equine Welfare <i>M. Feighelestein, O. Bibi, O. Rozenbaum, N. Adrielli Agassi De Sales, G. Camargo Ferraz, I. Shimshoni, C. Spadavecchia, E. Dalla Costa, A. Zamansky</i>	697
12:15	End of session	

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74.13	The Road to Enhancing Poultry Behavior Analysis Through Mechanistic Modeling <i>M. Penney, J. Cant, T. Widowski</i>	698
74.14	Data Acquisition And Training Of An Automatic AI System For Scoring Tail Lesions of Pigs at the Abattoir <i>P. Trevisi, E. Golunova, A. Romano, A. Capobianco Dondona, N. Bernabò, D. Luise, G. Marruchella</i>	698
74.15	Smart sips: sensor-based monitoring of daily water consumption to identify heat stress in weaned piglets <i>C. Meyer, P. Hesecker, E. Gallmann, I. Traulsen, U. Hartmann, M. A. Lieboldt, N. Kemper, J. Probst</i>	699
74.16	Listen for welfare: detection of welfare issues using a pig-scream detector in weaner pigs <i>P. Hesecker, T. Bergmann, M. Scheumann, I. Traulsen, U. Hartmann, N. Kemper, J. Probst</i>	699
74.17	Application of drones in health monitoring of beef cattle <i>B. Szymik, G. Skrzyński</i>	700
74.18	Multistage Ear Tag Detection – An AI-Based Approach for the Automatic Identification of Individual Animals Based on Ear Tags in Pigs <i>M. Wutke, D. Debiasi, J. Probst, N. Kemper, K. Gevers, M. A. Lieboldt, I. Traulsen</i>	700
74.19	Use of animal body temperature measurements in monitoring heat stress <i>B. Szymik, G. Skrzyński, P. Wójcik</i>	701

Session 75.

Sustainability assessment of livestock farming systems

Room: Tirol (Congress)
Chair: Sturaro / Boyle / Collin
Session Type: Theme session

Theatre Session 75

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14:00	When is a livestock system sustainable? Insights from transdisciplinary research <i>invited P. Manzano</i>	701
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14:30	The Environmental Assessment Landscape: Toward Comprehensiveness or Fragmentation? <i>invited F. Joly</i>	702
15:00	From the classical “three-pillars” vision of sustainability to new frameworks for assessing the effects of farming systems enhancing poultry welfare <i>invited B. Méda, F. P. Johansen, K. O'Driscoll, L. Warin, A. Foreau, A. Collin, R. Botreau</i>	702
15:30	DairyMix: multicriteria assessment for circular mixed dairy farming systems <i>F. Dragoni, M. Seyedalmoosavi, L. Balaine, S. Bonizzi, A. Sandrucci, N. Alessi, G. Ragaglini, K. Mittenzwei, L. Kokemohr, A. Wilfart, E. Soulé, J. Frątczak-Müller, X. Díaz De Otálora, M. Suchowska-Kisielewicz, G. Jørgensen, B. Amon</i>	703
15:45	Coffee Break	
16:15	Exploring the drivers of productivity in organic multi-species livestock farms across Europe <i>E. Muñoz-Ulecia, M. Grillot, M. Benoit, G. Martin</i>	703
16:30	Assessing the sustainability and ecosystem services of farming practices of dairy cattle farms <i>A. Mantino, F. Biagiotti, M. Finocchi, A. Ripamonti, S. Righi, M. Moretti, A. Silvi, G. Foggi, M. Mele</i>	704
16:45	Semi-extensive dairy sheep farming and environmental impact: the key role of fresh forage and purchased feed in affecting environmental performance <i>M. Finocchi, F. G. Cella, R. Villani, A. Cappucci, F. Vichi, G. Conte, A. Mantino, M. Mele</i>	704
17:00	Towards developing a shared methodology for the joint assessment of animal welfare and sustainability in livestock <i>F. Johansen, B. Méda, R. Botreau, L. Boyle, A. Boissy, S. Dippel, K. O'Driscoll</i>	705
17:15	Sustainability of grassland-based dairy farms: a case study <i>A. Ceppatelli, M. Seiringer, W. Zollitsch, B. Fuerst-Waltl, S. Hörtenhuber, E. Sturaro</i>	705
17:30	Carbon footprint is weakly linked with ecosystem services of dairy farms <i>M. Seiringer, S. J. Hörtenhuber, E. I. Tasser, W. J. Zollitsch</i>	706
17:45	Assessing the vulnerability of French livestock production to climate and socio-economic change <i>L. Coré--Brazier, P. Veyssset, F. Accatino</i>	706
18:00	End of session	

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75.12	Integrating Animal Welfare into Sustainability Assessments: Insights from the European Partnership on Animal Health and Welfare (EUPAHW) Network <i>G. Aubin-Houzelstein, A. Boissy, M. Perard, E. Fabrega, S. Dippel, K. O'Driscoll, A. Wallenbeck, L. J. Pedersen, M. Podaliri, G. Vaccari, F. Fusi, A. Collin</i>	707
75.13	Split-feeding as a sustainable feeding strategy for improving egg production and quality, nutrient digestibility, and environmental impact in laying hens <i>J. Eom, W. Zhao, E. Ko, I. H. Kim</i>	707
75.14	Life Cycle Assessment of equine production in marginal areas <i>L. Ferraro, J. Bacenetti, E. Salimei, A. Fatica, G. Pastorelli, F. Fantuz, A. Guerrini, D. Tedesco</i>	708
75.15	Carbon Footprint of dairy small ruminant and cattle production systems in Greece <i>A. Mavrommatis, V. Psiroukis, G. Papadopoulos, S. Fountas, E. Tsiplakou</i>	708
75.16	Development of consequential life cycle assessment methods for evaluation of European livestock systems <i>D. Sun, M. Vilain Rørvang, L. Smith</i>	709
75.17	A conceptual framework of integrating animal welfare into life cycle assessment of livestock systems <i>D. Sun, L. Smith, M. Vilain Rørvang</i>	709
75.18	Environmental impact of fattening beef production on different flooring systems in Veneto region <i>O. Martinic, L. Magrin, F. Gottardo</i>	710
75.19	Challenges and best practices towards higher welfare standards in beef cattle: results from the European Partnership for Animal Health and Welfare <i>S. Bruzzese, L. Magrin, E. Fàbrega, E. Mainau, S. Marti, X. Boivin, F. Fusi, T. Bernardo, S. Rota Nodari, A. Boissy, E. Hvidtfeldt Jensen, L. J. Pedersen, S. Ashe, C. Forte</i>	710

Session 76.**Advances in Value Chain Assessments for Sustainable Livestock Systems - a joint session by the INTAQT, CODE-REFARM, mEATquality and PATHWAYS projects**

Room: Innsbruck (Congress)
 Chair: Smith / Martin
 Session Type: Project session

	Theatre Session 76	Book of Abstracts page
14:00	Territorial indicators of circularity and ecosystem carrying capacity for redefining livestock's role in the food system <i>C. Pfeifer, R. Winterberg, R. Borek, A. Van Den Pol-Van Dasselaar</i>	711
14:15	Behind the Scores: Evaluating Sustainability Constructs and Farm Structural Factors in European Livestock Systems <i>J. Campos-González, S. Cicek, P. Goglio, J. Helming, A. Hessle, M. Muller, S. Moakes, A. Oosterwijk, S. Pelaracci, N. Roehrig, C. Van Wagenberg, L. Smith</i>	711
14:30	Multiscale scoring method for socioeconomic sustainability assessment of value chains <i>L. Forzoni, M. Moretti, S. Righi, S. Van Schoubroeck</i>	712
14:45	Relationship between livestock intensification and feed-food competition in diverse European broiler and cattle farms <i>E. Bailly-Caumette, M. Berton, R. Eppenstein, L. Rey-Cadilhac, M. Coppa, M. Lozano-Jaramillo, E. Sturaro, C. Berri, I. Veissier, B. Martin, F. Leiber</i>	712
15:00	Economic resilience of broiler farms in two different countries <i>L. Giglio, P. Ferrari, S. Soffiantini</i>	713
15:15	Life Cycle Assessment of European broiler chicken systems <i>M. Berton, E. Bailly-Caumette, M. Lozano-Jaramillo, B. Tonn, E. Sturaro, F. Leiber, B. Martin, C. Berri</i>	713
15:30	A Living Lab to address heat stress in dairy goats: impact of a nutritional intervention on milk yield and quality <i>M. Romero Huelva, A. Gomez, I. Rivelli, E. Romera, A. Hernández, M. Baños, D. Yañez Ruiz</i>	714
15:45	Coffee Break	
16:15	Effects of quantity and quality of space on hair cortisol, hair dehydroepiandrosterone (sulphate) and their ratio in growing-finishing pigs <i>B. De Bruijn, I. Reimert, M. Giombolini, T. Peric, B. Kemp</i>	714
16:30	Monitoring grassland biodiversity using farmer-derived data: opportunities and challenges <i>T. Staton, L. Norton, M. Wagner, K. Farley, L. Smith</i>	715
16:45	Joint assessment of milk quality, its environmental impacts and ecosystem services: emerging concepts and methods <i>L. Allart, A. Ferlay, M. Eugène, F. Joly, V. Monteils, C. Laurent, B. Martin</i>	715
17:00	Exploring the nutrient density of animal sourced foods on environmental footprint: a systematic review of functional units <i>L. Bothwell, L. Perkins, R. McGuire, A. Nugent, N. Scollan</i>	716
17:15	From Coop to Table: How Genetics and Environment Influence Broiler Meat Quality <i>J. Składanowska-Baryza, E. Sell-Kubiak, P. Sztandarski, J. Marchewka, A. Ludwiczak</i>	716
17:30	Meat quality traits of pigs housed with increasing space availability <i>P. Ferrari, A. Bertolini, A. Garavaldi, A. Pinna, C. Loffi, R. Virgili</i>	717
17:45	End of session	
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76.14	Lower stocking density in pigs: welfare, growth rate, and meat quality <i>E. Sell-Kubiak, A. Zaworska-Zakrzewska, A. Cieślak, M. Kasprówicz-Potocka, G. Cieleń, D. Łodyga, J. Składanowska-Baryza, A. Ludwiczak</i>	717
76.15	Evaluating manure impact methodologies within Life Cycle Assessments (LCA) of livestock systems and products <i>S. Pelaracci, P. Goglio, S. Moakes, M. Pauselli, E. Lilli, M. Romero-Huelva, D. Yanez-Ruiz, L. Smith</i>	718
76.16	Improved welfare vs. meat quality: impact of enrichment and stocking density on broiler chicken <i>G. Cieleń, A. Ludwiczak, P. Sztandarski, J. Składanowska-Baryza, K. Szulc, A. Jaszczuk, M. Solka, G. Pogorzelski, J. Horbańczuk, J. Marchewka, E. Sell-Kubiak</i>	718

76.17	More Meat, Fewer Cows: How Detailed and Context-Specific Herd Modeling Unlocks Unexplored Synergies in the European Food System	719
	<i>C. Pfeifer, M. Huonder, F. Leiber</i>	
76.18	Participatory approaches for sustainable livestock production	719
	<i>A. Van Den Pol-Van Dasselaar, C. Pfeifer, J. Yngvesson</i>	

Session 77. Welfare and behaviour measurements using precision livestock farming tools and big data: from validation to application (2)

Room: Brussel (Congress)
Chair: Foy / Cartick / da Silva
Session Type: Theme session

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14:00	Responsible Development and Deployment of AI and IoT in the Dairy Industry, bridging gaps between research and implementation: The WELL-E Initiative	720
	<i>invited E. Vasseur, A. B. Diallo</i>	
14:30	ICAR/IDF initiative: Guidelines and reference standards for using rumination sensor data in animal health and welfare recording	720
	<i>C. Egger-Danner, I. Klaas, L. Brito, J. Bewley, V. Cabrera, N. Gengler, M. Haskel, B. Heringstad, M. Hostens, M. Iwersen, A. Schodl, K. Stock, A. Stygar, E. Vasseur</i>	
14:45	Optimizing Machine Learning (ML) models for automated detection of calf behaviors	721
	<i>D. Foy, M. Brause, T. Smith, J. Reynolds, T. Parsons</i>	
15:00	Development and validation of a triaxial accelerometer for behavior monitoring in Murciano-Granadina goats	721
	<i>F. Estellés, B. Fajardo, D. A. Méndez, A. Villagrà, S. Calvet</i>	
15:15	Heavy breathing by accelerometer-based recordings is associated with body temperature, rumen and blood metabolites of Fleckvieh dairy cows during heat stress: A cluster-analytic approach	722
	<i>A. Amato, C. Cavallo, E. Trevisi, A. Minuti, M. Ghaffari, L. Liotta, V. Lopreiato</i>	
15:30	Improving individual energy requirement prediction in dairy cows by the integration of physical activity data	722
	<i>M. Danglot, O. Martin, C. Gaillard</i>	
15:45	Coffee Break	
16:15	Identifying shade-seeking behavioural triggers in Holstein heifers for improved heat stress management and welfare	723
	<i>X. Díaz De Otálora, D. A. Méndez, S. Sanjuan, R. Arnau, J. M. Calabuig, A. Villagrà, S. Calvet, F. Estellés</i>	
16:30	Detection and characterization of disturbances in the trajectory of production and behavioral data for dairy cows	723
	<i>A. Rouillard, A. Boudon, T. Rohmer, M. Danglot, C. Gaillard</i>	
16:45	Validation of a new textile sensor band for heart rate variability assessment in calves	724
	<i>L. Turini, G. Pesenti Rossi, G. Sala, G. Foggi, G. Gislon, S. Mondini, E. Canali, F. Bonelli, M. Mele</i>	
17:00	The Potential of Infrared Thermography in Precision Dairy Farming	724
	<i>T. Bobić, N. Raguž, P. Mijić, D. Kranjac, M. Oroz, M. Oroz, B. Lukić</i>	
17:15	Enhancing Livestock Welfare to Heat Stress characterizing physiological responses in Marchigiana trough PLF and omics combination	725
	<i>R. Ratto, D. Pietrucci, F. Renzi, M. Milanese, S. Mecocci, S. Bergagna, G. Acuti, C. Guasco, G. Chillemi, K. Cappelli</i>	
17:30	Impact of birth timing and heat stress on milk production in dairy cattle: a comprehensive analysis	725
	<i>L. M. Dale, E. J. P. Strang, A. Werner, A. Al Baqain, S. Fritsch, C. Bertrand, C. Goos, J. Wittmann, C. Eck</i>	
17:45	Comparison of novel object test in cattle performed individually or as a group in the home pen	726
	<i>T. Wilder, P. Hasenpusch, K. Dannen, A. Seidel, G. Thaller, J. Krieter</i>	
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Session 78.**Dairy and beef production systems enhancing societal appreciation and farmers well-being: analysis, insights and initiatives**

Room: Orangerie (Congress)

Chair: Klopčič / Hocquette

Session Type: Theme session

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14:00	Work satisfaction as a component of social sustainability – results from Austrian dairy farmers <i>A. Rademann, M. L. Schneider, S. Hörtenhuber, S. Waiblinger</i>	726
14:15	Dairy farm systems analysis <i>A. Kuipers, I. Blanco Penedo, L. Leso, M. Klopčič</i>	727
14:30	Consumer Perception of Climate Adaptation Strategies in PDO Cheese Production in France <i>D. Neumeister, F. Bedoin</i>	727
14:45	Operationalising “One Welfare”: challenge and opportunities <i>invited L. Mirabito, X. Boivin, P. Spoljar, E. Delanoue, B. Mounaix, M. Larue, C. Couzy, R. Lardy</i>	728
15:00	Dairy farm concepts targeting at societal appreciation: two cases in the Netherlands <i>invited G. Van Duinkerken, A. Aalberts, F. Brinke, K. De Koning</i>	728
15:30	The movement towards socially responsible dairy farming in the USA <i>A. De Vries</i>	729
15:45	Coffee Break	
16:15	Dairy sector in Ukraine <i>invited M. Matvieiev, S. Ruban, A. Getya, H. Lavreniuk, D. Nosevych, R. Kononenko</i>	729
16:30	What Breeding Goal Should Organic Dairy Farmers Pursue? Results from a Willingness-To-Pay Study Among Consumers in Denmark, Germany, and Sweden <i>T. B. Lund, T. Christensen, S. Denver, S. B. Olsen, H. M. Nielsen, M. Kargo, P. Sandøe</i>	730
16:45	Farmers' perspectives on grazing: a comparative study across eight European countries <i>invited A. Van Den Pol-Van Dasselaar, E. Ankersmit, D. Dumitras, L. Fracchetti, L. Af Geijersstam, I. M. Jitea, C. Looney, N. Nilsdotter-Linde, G. Peratoner, C. Ramos, S. Schetelat, D. Thielecke</i>	730
17:15	Scientific research must contribute to a more objective vision of livestock farming <i>A. Neveu, R. Polkinghorne, J. F. Hocquette, H. Cuthbertson, J. Wierzbicki</i>	731
17:30	How future breeders and advisers understand their position in relation to society's expectations <i>M. Fuselier, E. Delanoue, P. Villate, G. Brunschwig</i>	731
17:45	Integrating animal welfare as part of sustainability assessments <i>E. H. Jensen, L. Mogensen, L. J. Pedersen</i>	732
18:00	End of session	
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78.13	Consumer knowledge and market challenges for sustainable and artisanal cheese in Spain and France <i>M. Ayala, P. Ugarte-Nuin, M. Sarasua, L. Vega</i>	732
78.14	New recommendations for housing and rearing calves in dairy cattle herds: Opinions of breeders and experts in Slovenia <i>T. Perčič, J. Klopčič, M. Bric, M. Klopčič</i>	733
78.15	Minor hoof trimming errors were associated with hoof lesions, but softer flooring in walking alleys mitigated their impact in dairy cows <i>E. Telezhenko, F. Åkerström, M. Magnusson</i>	733
78.16	Preliminary results from a survey on environmental perceptions of inner areas <i>A. Fatica, L. Ferraro, D. E. A. Tedesco, G. Pastorelli, L. Todini, F. Fantuz, E. Salimei</i>	734
78.17	Dairy Cattle Breeding Simulation Program (DCBSP) V.6.03: A Dynamic Environment for Teaching Animal Breeding and Genetic Improvement <i>J. Casellas, J. F. Medrano, A. Abbas, A. Cánovas</i>	734

Session 79.

Future pig and poultry production systems (2)

Room: Strassbourg (Congress)

Chair: Lawlor / Stadnicka / Holinger / Druyan

Session Type: Theme session

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14:00	Future-proof housing of hyper-prolific lactating sows <i>invited</i> V. A. Moustsen	735
14:45	Impacts of three types of farrowing pens (crate, temporary confinement with lift crate and temporary confinement) on the performance and behaviour of sows and piglets V. Courboulay, S. Boulot	735
15:00	Animal welfare inspections in organic pig farms in Germany: Measures, Thresholds and Training S. Lühken, C. Nyanzi, A. Höhne, E. Hofinger, A. Schubbert	736
15:15	The effect of social experience on aggressive interactions and play behaviour when introduced to a large group of unfamiliar pigs E. Karlsson, J. Yngvesson, K. H. Jeppsson, R. Westin	736
15:30	Impact of housing design and animal level ventilation on pig growth and air quality N. Hlel, B. Fajardo, C. Cano, L. Piquer, S. Calvet, F. Estellés, X. Díaz De Otálora	737
15:45	Coffee Break	
16:15	Greenhouse gas emissions and slurry pollutants across different pig genetic lines A. Arrazola, B. Fernández, M. Andon, D. Torrallardona, J. P. Sánchez, R. Quintanilla	737
16:30	Exposure to ammonia and particles: how to prevent and protect workers in pig farms from respiratory risks? N. Guingand, S. Lagadec, C. Depoudent, J. Kerdoncuff, D. Bellanger, L. Leroux, P. Lecorguille, C. Delaqueze, V. Legall	738
16:45	Pig growth, body composition and nutrient balance with local protein sources no mineral phosphate, but with amino acid and phytase supply P. Lin, M. Tretola, L. Pinotti, G. Bee, P. Schlegel	738
17:00	Association between litter of birth traits and sow longevity J. A. Calderón Díaz, J. Camp Montoro, E. Parlato, S. Casiro, I. Huerta, C. Lewis	739
17:15	Metabolomics identifies novel biomarkers for fat deposition, feed efficiency and growth in Italian Large White pigs F. Bertolini, M. Bolner, S. Bovo, G. Schiavo, P. Zambonelli, M. Gallo, M. Cappelloni, L. Fontanesi	739
17:30	Rethinking boar taint and quality detection towards a more sustainable pig production L. Morgan, M. Font-I-Furnols, N. Panella-Riera, R. I. D. Birkler	740
17:45	Towards an automated analysis of climatic influences on outdoor area usage by fattening pigs D. Debiasi, S. Küster, U. Höne, M. Wutke, J. Wahmhoff, M. Filipiak, S. Götz, I. Traulsen	740
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Session 80.

Pig and misc health and welfare

Room: Grenoble (Congress)

Chair: Blanco-Penedo / Waiblinger / Lopreiato

Session Type: Free communications (bottom-up)

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14:00	Effect of supplementary water provision to weaned piglets on performance and behavior B. Garré, J. Defoort, M. Aluwé, D. Maes	741
14:15	Evaluation of the attractiveness of an alfalfa ball and its effectiveness in interrupting post-weaning tail-biting episodes D. Coulmier, A. Poissonnet, V. Courboulay	741
14:30	Facial expressions of lactating sows reveal greater well-being and more appeased situations in pen than in crate N. Barry, J. Bailly, W. Hebrard, L. Rydhmer, L. Canario	742

14:45	Impact of cleaning and disinfection protocol on health and performance in French pig farms <i>E. Vanbergue, C. Lachevêque, P. Y. Conan, C. Cador</i>	742
15:00	Impact of PRRSV and Streptococcus suis co-infection on the respiratory microbiome and mortality in piglets <i>D. Schokker, S. Commandeur, S. Van Hemert, N. Stockhofe-Zurwieden</i>	743
15:15	Exploring the effects of dietary amino acids levels on the behaviour and performance of pigs <i>E. Hewett, L. Zaragoza, C. Lewis, J. Houdijk, A. Wilson, S. Turner</i>	743
15:30	Effects of protease supplementation on growth performance and intestinal function in weaned piglets fed low digestible protein sources <i>G. Tactacan, L. Lahaye, O. Babatunde</i>	744

15:45 Coffee Break

16:15	Effect of lauric acid on sow and piglet performance pre- and post-weaning <i>X. Benthem De Grave, X. Guan, F. Molist</i>	744
16:30	Impact of dietary electrolyte balance on lactating sow performance, inflammation, and gut integrity under heat stress <i>J. Y. Mun, A. Hosseindoust, H. Tajudeen, P. Neves Silvestre, S. D. Choi, J. S. Kim</i>	745
16:45	Effect of a sensory functional feed additive on the behavior and feed consumption of piglets at weaning <i>E. Arnaud, A. Auvray, J. F. Gabarrou</i>	745
17:00	Towards a comparative approach on animal and plant parasitology: assessing convergences and perspectives and preparing an international symposium <i>L. Zenner, G. Marliac, O. Fernandes, G. Brunschwig</i>	746
17:15	Reframing salivary oxytocin as a biomarker: a bibliometric analysis of research trends, theoretical frameworks and future directions <i>C. Winters, S. E. Ulbrich, S. Gourmon</i>	746
17:30	Domains of greatest threat to welfare and potential best practices for mitigation in rabbit farming: results from the European Partnership for Animal Health and Welfare <i>C. Tolini, A. Miolo, S. Rota Nodari, Z. Sudiak, G. Aubin-Houzelstein, E. Fàbrega, G. Xiccato, A. Trocino</i>	747
17:45	The Effect of Environmental Enrichment on Selected Physiological and Immunological Stress-Related Markers in Dairy Goats <i>Y. Wein, S. J. Mabjeesh, O. Vaidenfeld, C. Sabastian, E. Bar Shira, H. Tagari, A. Friedman</i>	747
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Poster Session 80

Book of Abstracts page

80.15	Microplastics in Agriculture: Linking Environmental Pollution to Animal Health Challenges <i>M. Đidara, M. Šperanda, K. Zmaić, B. Popović, M. Pucarević, N. Stojić</i>	748
80.16	Influence of different light colours on the resting behaviour of nursery piglets <i>T. Nicolaisen, F. Lohkamp, J. Buchallik-Schregel, I. Hennig-Pauka, C. Visscher</i>	748
80.17	Effect of butyric acid salts on the intestinal permeability of weaned piglets <i>W. Kozera, K. Karpiesiuk, A. Woźniakowska, U. Czarnik, K. Dobiesz, G. Żak, M. Szyndler-Nędza, A. Mucha</i>	749
80.18	Effect of butyric acid salts on biochemical and haematological indices in the blood serum of piglets <i>K. Karpiesiuk, A. Woźniakowska, W. Kozera, U. Czarnik, K. Dobiesz, G. Żak, M. Szyndler-Nędza, A. Mucha</i>	749
80.19	Body condition and rearing performance of sows in organic production <i>K. Schlegel, A. S. Schintag</i>	750
80.20	Botanical bioactives against Ascaris suum, the potential of tannin-rich plants <i>S. Kerros, A. R. Williams, S. Guillaume</i>	750
80.21	The European Partnership on Animal Health and Welfare and its strategy for communication and dissemination. <i>L. Sepe, V. Filipello, R. La Ragione, A. Käsbohrer</i>	751
80.22	Analysis of crossing of differentiated gradient angles by breeding goose <i>H. Scholz, J. Mühle, S. Twieg, J. Schmidt, S. Switalla</i>	751

Session 81. Challenges for livestock physiology: perturbations and adaptation (2)

Room: Freiburg (Congress)
Chair: Montanholi / Zachut
Session Type: Theme session

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14:00	Transcriptome analysis of milk fat globules in cows: insights into gene expression patterns and β -casein genetic variants <i>L. Jiménez Montenegro, L. Alfonso Ruiz, B. Soret Lafraya, J. A. Mendizabal Aizpuru, O. Urrutia Vera</i>	752
14:15	Metabolic stress in laying hens and its immune-mediated resolution <i>Y. Wein, E. Bar-Shira, A. Friedman</i>	752
14:30	How does stress due to water restriction and parasitic infection affect plasma hormone levels in high and low tolerance Rasa Aragonesa ewes fed with sainfoin? <i>S. Lobón, S. Pérez, M. Joy, J. H. Calvo, C. Calvete</i>	753
14:45	Metabolic resilience in goats: Insights from nutritional challenge with metabolomic analysis <i>C. Brosse, J. Pires, C. Migne, M. Brandolini-Bunlon, S. Durand, E. Pujos-Guillot, S. Emery, M. Bonnet, R. Rupp, N. C. Friggens</i>	753
15:00	Metabolic indicators of short-term nutritional stress in goat milk <i>C. Brosse, M. Bonnet, C. Migne, M. Brandolini-Bunlon, S. Durand, E. Pujos-Guillot, S. Emery, R. Rupp, N. C. Friggens, J. Pires</i>	754
15:15	Changing the physiology of ruminants through genetic selection is a long-term solution for reducing methane emissions <i>invited M. Aldridge, D. Brown, S. Miller</i>	754
15:45	Coffee Break	
16:15	Automated monitoring of beef cattle ingestive behaviour under heat stress <i>I. Casaus, M. Blanco, J. Ferrer, D. Villalba</i>	755
16:30	Diurnal influences on reticulorumen temperature and pH in fattening bulls measured by rumen sensors for early prediction of heat stress conditions <i>K. Fromm, C. Ammon, T. Amon, G. Hoffmann</i>	755
16:45	Long-term effect of postnatal photoperiod on muscle development and histone modifications in Japanese Black cattle <i>R. Matsuo, T. Gotoh, K. Ikegami, S. Yasuo</i>	756
17:00	Influence of piglet birth weight on cell populations and gene expression of skeletal muscle, perirenal and subcutaneous adipose tissues <i>A. Vincent, C. Trefeu, F. Dessauge, I. Louveau</i>	756
17:15	Describing adaptation to heat stress through untargeted metabolomics in pig genetic resources <i>M. Bolner, A. Ribani, S. Bovo, G. Schiavo, V. Taurisano, F. Bertolini, S. Dall'olio, J. Vegni, P. Zambonelli, M. Gallo, M. Pszczola, E. Sell-Kubiak, L. Fontanesi</i>	757
17:30	Proteomic analysis of blood monocytes from dairy cows that were supplemented ex vivo with cannabinoid receptor 2 ligand beta caryophyllene after inflammatory challenge <i>M. Zachut, Y. Butenko, B. Shtatenstein, P. Dos Santos Silva, L. Hubner</i>	757
17:45	The knowledge of experts with key skills in livestock species resilience traits studies <i>A. Crisà, M. Ballester, R. Quintanilla, J. Tarres, L. Tusell, K. Żukowski, P. Topolski, M. Świątkiewicz, A. Arczewska-Włosek, M. Małopolska, W. Młoczek, M. H. Pinard-Van Der Laan</i>	758
18:00	End of session	
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81.14	Effects of adding chenopodium formosanum seed extract on porcine oocyte <i>Y. F. Zheng, Y. Z. Chen, Y. Liang, H. Li, P. C. Shen, S. Y. Peng</i>	758
81.15	Lactacisibacillus rhamnosus Peptidoglycan Suppresses TLR2/1-Mediated Inflammation in Bovine Endometrial Epithelial Cells <i>E. Waehama, A. Mansouri, M. Hulugalla, I. Akthar, M. S. Yousef, K. Fukuda, A. Miyamoto</i>	759
81.16	Fasting-Induced Changes in Plasma Metabolites and Muscle Composition in Marbled Sleeper (<i>Oxyleotris marmorata</i>) <i>S. Boonanuntanasarn, N. Sridee</i>	759

Room: New Orleans (Congress)

Chair: Biasato / Naser El Deen

Session Type: Theme session

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14:00	When ruminants eat insects: possibilities and constraints of a potentially sustainable practice <i>invited</i> M. Renna	760
14:45	Dietary Inclusion of Black Soldier Fly (<i>Hermetia illucens</i>) Oil Alters Serum Metabolome in Dairy Cows G. Liu, M. Renna, L. Rastello, M. Coppa, A. Kenez	760
15:00	Replacing palm distillate fatty acids by <i>Hermetia Illucens</i> oil in the diet of lactating sheep: effects on performance and milk fatty acids C. Baila, G. Hervás, M. Renna, L. Gasco, L. Rastello, E. Barrio, P. González-Merino, V. Bolletta, C. Trespeuch, R. J. Bessa, S. Alves, P. Toral, P. Frutos	761
15:15	Do consumers like milk and butter obtained from dairy cows fed black soldier fly oil? L. Rastello, A. Brugiapaglia, L. Vernetti-Prot, M. Coppa, M. Gerbelle, A. Galli, C. Trespeuch, L. Gasco, M. Renna	761
15:30	Black soldier fly oil replaces soybean oil and beef tallow; their comparative efficacy on reproductive hormones, connexin expression, and performance in laying hens H. Tajudeen, A. Hosseindoust, P. Neves Silvestre, J. Y. Mun, S. S. Lee, S. A. Park, J. S. Kim	762
15:45	Coffee Break	
16:15	Larval meal of the black soldier fly (<i>Hermetia illucens</i>) is suitable for feeding the white leg shrimp (<i>Litopenaeus vannamei</i>) under practical conditions in a modern recirculation system C. Sandrock, K. Deininger, F. Schindler, B. Wecker, G. Rossi, J. Wohlfahrt, A. Lemme, C. Lambertz, T. Stadtlander	762
16:30	Use of <i>Acheta domesticus</i> meal in diets for piglets during the post-weaning phase Z. Loiotine, G. Perona, F. G. Foglia, C. Caimi, R. L. Passaro, K. Y. Mendez Rondo, S. Bellezza Oddon, L. Gasco, E. Pontonio, I. Ferrocino, I. Biasato	763
16:45	Live <i>Tenebrio molitor</i> larvae as feed ingredient for native chickens: a multi-perspective view on egg quality I. Biasato, V. Bongiorno, Z. Loiotine, S. Bellezza Oddon, R. Passaro, M. Kießling, F. Schilling, J. Petrusan, F. Gai, A. Schiavone, A. Brugiapaglia, L. Gasco	763
17:00	Pilot-scale refinement and application of industrially produced black soldier fly larvae lipids O. Höglinger, M. Gold	764
17:15	Beyond Authorized Insect Species: Unveiling the Potential of Native Coastal Insects for Sustainable Aquafeed O. Ameixa, F. Lourenço, P. Duarte, M. J. González, M. Pinho, M. R. Domingues, I. Medina, R. Calado	764
17:30	The fluctuation in functionality of frass as fertilizer D. Deruytter, J. Claeys, C. Coudron	765
17:45	End of session	
Poster Session 82		Book of Abstracts page
82.12	Innovation in piglet nutrition – use of black soldier fly meal A. C. Monteiro, T. Mariano, R. Pereira, R. Fortunato, D. Murta, V. Pinheiro, D. Monteiro	765
82.13	Study on the Growth and Nutritional Composition of the Black Soldier Fly (<i>Hermetia illucens</i>) Fed with Korean melon waste (<i>Cucumis melo</i> var. <i>makuwa</i>) B. Koo, K. Park, Y. Kim, J. Y. Park, S. Ji, J. H. Song, S. Y. Kim, E. Kim	766
82.14	Effect of diet supplementation with chitin and two types of chitosan from <i>tenebrio molitor</i> on in vitro ruminal fermentation C. Baila, P. Frutos, M. Hassanien, E. Barrio, G. Hervás, P. Toral	766
82.15	Conservation of <i>Hermetia illucens</i> larvae via co-ensiling for use as protein feed T. Hartinger, K. Schedle, R. Resch, K. Hartinger, R. Khiaosa-Ard	767
82.16	Introducing LIFE4Waste Growth: Biostimulating organic fertilizers from insect frass K. Bohm, A. Yarali Paisios, L. Muskat, M. Gold	767
82.17	<i>Hermetia illucens</i> pupal exuviae and extracted chitin as functional feed for laying hens: application of artificial senses for evaluating the organoleptic quality of eggs F. Accetta, A. R. Di Rosa	768

Room: Forum 1 (Messe)

Chair: Egger-Danner / Malchiodi

Session Type: Theme session

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14:00	Using data from sensors and other precision farming technologies to enhance the sustainability of dairy cattle breeding programs <i>invited</i> L. F. Brito, I. I. Sensor Initiative, C. Egger-Danner	768
14:30	Dairy cow resilience: data driven detection and quantification of perturbations using daily milk weights R. Fourdraine, F. Peñagaricano, K. Weigel	769
14:45	Analysing lactation curves to define resilience indicator traits in Austrian Fleckvieh M. Agyiri, R. Onzima, A. Costa, B. Fuerst-Waltl, F. Steininger, G. Mészáros, J. Sölkner	769
15:00	Heritabilities for sensor-derived traits and their genetic relationship with early lactation ketosis K. Schodl, B. Fuerst-Waltl, F. Steininger, D4Dairy Consortium, C. Egger-Danner	770
15:15	Advancing metabolic health: Genomic evaluation of energy status indicator traits in Finnish dairy cattle R. Kempe, E. Negussie, T. Pitkänen, M. Koivula, J. Pösö, M. Lidauer	770
15:30	Estimation of variance components for selected metabolic traits in Fleckvieh Cattle H. Schwarzenbacher, J. Himmelbauer, C. Fuerst, A. Koeck, B. Fuerst-Waltl, C. Egger-Danner	771
15:45	Coffee Break	
16:15	Genome-wide association study on differential somatic cells in Italian Simmental A. Cesarani, L. Degano, G. Gaspa, R. Negrini, D. Vicario, C. Dimauro, N. P. Macciotta	771
16:30	Identification of functional SNPs and INDELs within lncRNA associated with mastitis in Holstein dairy cows V. Asselstine, J. F. Medrano, C. F. Baes, P. Stothard, F. Miglior, F. S. Schenkel, A. Cánovas	772
16:45	Functional genetic variants associated with subclinical intra-mammary infection in Holstein cattle A. Vanzin, V. Bisutti, D. Giannuzzi, A. Cecchinato, L. Gallo, A. Cánovas, S. Pegolo	772
17:00	Novel lncRNA in milk somatic cells of dairy cows with subclinical mastitis caused by <i>Streptococcus agalactiae</i> and <i>Prototheca</i> spp S. Pegolo, V. Bisutti, A. Vanzin, A. Cecchinato, A. Cánovas, V. Asselstine, D. Giannuzzi	773
17:15	Single-step genomic evaluation of calf health traits in Holstein breed C. Lynch, J. Jamrozik, A. Fleming, C. Baes, B. Van Doormall, F. Miglior	773
17:30	Exploring the genetic basis of calf health and vitality traits in Holstein Friesians L. Stahmer, L. Engel, K. Voß, G. Thaller	774
17:45	The Relationship Between Telomere Length, Health, Welfare and Production Performance in Holstein Cattle M. Cohen-Zinder, S. Elbag, E. Shor-Shimoni, F. Garcia, A. Shabtay	774
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83.15	Genetic correlations of Resilience Indicators with Production, Fitness and Welfare Traits in Austrian Fleckvieh Cattle R. B. Onzima, M. Agyiri, A. Costa, B. Fuerst-Waltl, F. Steininger, G. Mészáros, J. Sölkner	775
83.16	Genetic relationships between milk lactose content, lactosaemia, udder health and metabolic status in dairy cows R. Lefebvre, A. Bordas, F. Launay, M. Gaborit, D. Boichard, J. Flament, M. P. Sanchez	776
83.17	Transcriptome analysis for heat and cold stress exposure in Romanian Spotted breed D. E. Ilie, A. E. Mizeranschi, L. T. Csiszter, C. V. Mihali, R. I. Neamț, D. Gavojdian	776
83.18	Genome-Wide Association Studies for Milking Reactivity in Romanian Spotted Cattle M. Mincu-Iorga, A. E. Mizeranschi, D. Gavojdian, I. Nicolae, D. E. Ilie	777
83.19	Assessing the Impact of Pharmacological Treatments on profiling Resilience Indicators in Dairy Cows Using PLF Data C. Punturiero, A. Delledonne, C. Ferrari, M. J. Carabaño, C. Díaz, M. Ramon, A. Bagnato, M. G. Strillacci	777
83.20	Susceptibility of cows to Reproductive and Metabolic Diseases in Slovakia M. Chalupková, L. Zavadilová, A. Costa, N. Moravčíková, A. Halvoník, R. Kasarda	778

Room: Forum 2 (Messe)

Chair: Manaig / Alvarez-Rodriguez

Session Type: Free communications (bottom-up)

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14:00	Evaluation of enzymatically hydrolysed hemoglobin (Peptein) in dairy cows diet <i>N. Prat, D. Sabrià, C. Rodríguez, J. Polo</i>	778
14:15	Forage Value as Production Factor: a new tool for estimating forages productive and economic value <i>G. Mantovani, P. Treccani, R. Pitino, M. Simoni, T. Danese, F. Righi</i>	779
14:30	Assessment of rumen solubility of global feed grade magnesium sources using acid titration and rumen simulation <i>B. Naughton, O. Demehin, A. Lawlor, B. Wenner, S. O Connell</i>	779
14:45	The effect of hydroxy-Zn as a trace mineral source on the performance, carcass characteristics and wool quality of finishing lambs <i>C. A. Naser, M. Brink, G. C. Josling, E. D. Cason, A. Hugo, A. J. Strauss, O. B. Einkamerer</i>	780
15:00	Comparative analysis of precision complementation and standard complementation in dairy cattle <i>V. Landais, J. Jurquet, A. Fischer</i>	780
15:15	Low-level DON and ZEA contamination in animal feed in Lombardy <i>P. Premarajan, E. Pacifico, T. Fearn, M. Ottoboni, E. Grandi, F. Cheli, L. Pinotti</i>	781
15:30	Effects of a phytogenic feed additive on chewing behavior, ruminal variables, and immune response of cows <i>E. Castillo-Lopez, T. Hartinger, S. Ricci, N. Reisinger, S. Kreuzer-Redmer, Q. Zebeli</i>	781
15:45	Coffee Break	
16:15	Supplementing Fattening Pigs With a Precision Biotic Can Reduce Stress Response and Agonistic Behavior <i>E. Huenul, D. Solà-Oriol, E. Pérez-Calvo, W. Ren, J. F. Pérez, S. Martin-Orúe</i>	782
16:30	Excretions and performance of fattening pigs with strongly reduced trace mineral level in feed <i>H. Lichtenstein, S. Rothstein, A. Schlagheck, B. Landwehr</i>	782
16:45	Effect of lignans and tannins on performance, organ profile and intestinal histology of heat stressed rats <i>C. Schwarz, A. Baidlowi, M. Gierus</i>	783
17:00	Geometry and nutrition: an unlikely but long-lasting marriage that can help drive nutrition research to new dimensions <i>J. Morimoto</i>	783
17:15	End of session	
Poster Session 84		Book of Abstracts page
84.12	Effects of supplementation with a clay mineral-based product on immune response capacity of transition dairy cows <i>E. Castillo-Lopez, T. Hartinger, S. Ricci, N. Reisinger, Q. Zebeli, S. Kreuzer-Redmer</i>	784
84.13	How does transition from an indoor feeding system to part-time grazing affect dairy cow performance? <i>P. Fant, M. Vadroňová, G. Mantovani, M. Joch, J. Chagas, M. Ramin, E. Detmann</i>	784
84.14	Feed efficiency in dairy cows: Characterization, relationship to chemical composition and feed value of diets and prediction <i>A. R. Guadagnin, I. Kok</i>	785
84.15	Impact of dry matter estimates on animal production <i>F. Touitou, A. Ponter</i>	785
84.16	Decades of change : the evolving composition and energy values of major feed ingredients <i>G. Tran, T. Chalvon-Demersay, V. Heuzé</i>	786
84.17	Effect of supplementing a protected form of potassium carbonate in diets of dairy cows in heat stress conditions on milk production and mineral absorption <i>C. Gerard, A. Bach</i>	786
84.18	Impact of Different Plant-Based Ingredients on Dairy Cow Performance <i>A. Dall-Orsoletta, L. Chamoux, L. Jaguelin, A. Yverneau, M. Panheleux</i>	787

Session 85.**Understanding complex trait: Genetic variability, GWAS and structural variation**

Room: Seminar 1+2 (Messe)

Chair: Hüneke / Tiezzi

Session Type: Free communications (bottom-up)

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14:00	Structural variant imputation and association with dairy traits in a large cattle population <i>I. Macleod, X. Wang, T. Nguyen, J. Wang, C. Vander Jagt, M. Goddard, R. Xiang, A. Chamberlain</i>	787
14:15	Identifying reciprocal translocations in pigs through offspring genotypes <i>A. Boshove, M. F. L. Derks</i>	788
14:30	Integrating copy number variants to improve the resolution of genome-wide association analyses for milk production traits in Croatian Istrian sheep <i>C. Rochus, M. Špehar, A. Kasap, Z. Barać, D. Ceranac, J. Ramljak, I. Pocrnić</i>	788
14:45	Genome-wide association studies explain introgression pattern of Red Holstein in Fleckvieh cattle <i>J. Schröder, M. Upadhyay, N. Krattenmacher, R. Emmerling, C. Edel, I. Medugorac, G. Thaller</i>	789
15:00	Geometrical Linkage Disequilibrium for QTL and Gene Mapping <i>L. Gomez-Raya, R. Peiró, W. M. Rauw</i>	789
15:15	Integrative Data Fusion Approach Reveals the Genetic Architecture of Mastitis: Identification of Causal SNPs and Key Immune Molecules Using the 1000 Bull Genomes Dataset <i>M. Jawad, F. Heinrich, A. Schmitt, M. Boelhauve, M. Gültas</i>	790
15:30	Detecting genetic load: A GWAS model accounting for identity by descent <i>G. Restoux, T. Tribout, R. Bonifazi, T. H. Meuwissen, J. J. Windig, A. Barbat, S. Minery, J. Vandenplas, P. Croiseau</i>	790
15:45	Coffee Break	
16:15	A weighted genomic gametic model for an accurate estimation of parent-of-origin effects <i>D. López-Carbonell, Z. G. Vitezica, I. Aguilar, G. Gorjanc, A. Legarra, L. Varona</i>	791
16:30	Differences in crossover count and genetic shuffling in two pig lines with contrasting selection histories <i>O. Katz, Y. Wientjes, A. Jansen, T. Druet, A. Boshove, M. Calus</i>	791
16:45	Signatures of selection using ROH island in a commercial rainbow trout population <i>C. Hervás-Rivero, J. Fernández, B. Villanueva</i>	792
17:00	Evaluating Selection History Models in Animal Breeding: A Comparative Study of BayesS and Ghat <i>A. C. M. Jansen, Y. C. J. Wientjes, O. Katz, M. P. L. Calus</i>	792
17:15	Differences in Genomic and Conventional Inbreeding Trends – Reasons and Implications <i>C. Edel, E. C. Pimentel, C. Anglhuber, R. Emmerling</i>	793
17:30	Analysis of inbreeding depression and genetic purging on litter size traits of Pannon Ka Rabbits using animal models <i>I. Nagy, I. Curik, Z. Gerencsér, A. T. Nguyen, G. Kövér, J. Farkas, Á. Bokor</i>	793
17:45	Combining selection strategies to efficiently manage genetic diversity and maximize short- and long-term genetic gain <i>T. Pook, M. Schrauf, T. A. M. Niehoff, A. Hassanpour, J. Vandenplas, M. P. L. Calus</i>	794
18:00	End of session	
Poster Session 85		Book of Abstracts page
85.15	Assessing cheese bacterial taxonomy and resistance genes using whole genome sequencing <i>I. Baroja-Careaga, B. L. Leire, S. Maialen</i>	794
85.16	Histamine and tyramine concentrations in commercial cheeses and their relationship to bacterial population <i>L. Bravo-Lamas, I. Baroja-Careaga, M. Sarasua</i>	795
85.17	Sequence-based GWAS identify genomic regions associated with resistance to gastrointestinal strongyles in Holstein heifers <i>P. Croiseau, P. Martin, D. Boichard, D. Aubriot, A. Delafosse, V. Debelhoir, A. Boishardy, N. Ravinet, N. Cesbron, M. P. Sanchez, H. Leclerc</i>	795

85.18	Population Genomics of Peruvian and European Alpacas: Insights into Diversity, Structure, and Selection	796
	<i>K. Tan, O. O. Adeniyi, A. Letko, E. Manz, H. Wagner, P. Zanolari, M. More, G. Gutiérrez-Reynoso, C. Drögemüller, G. Lühken</i>	
85.19	Metadata Challenges: An explorative analysis of the 1000 Bull Genomes Project	796
	<i>J. S. Schlüter, F. Heinrich, M. Gültas, A. O. Schmitt</i>	
85.20	Estimating genetic diversity parameters with traditional and novel metrics based on the metafounders methodology	797
	<i>H. Wilmot, M. Bermann, D. Lourenco</i>	
85.21	Detection of deletion impacting fertility, stillbirths and juvenile mortality in the European population of the Holstein breed by leveraging genotype datasets	797
	<i>J. Jourdain, A. Capitan, F. Guillaume, L. Piedfer, C. Wesenauer, J. Körte, H. Pausch, S. Meier</i>	
85.22	Genetic variability in five dog breeds analyzed using 22 genetic markers in a single PCR multiplex	798
	<i>L. Borreguero, M. R. Maya, Á. Trigo, I. Bonet, R. Tarifa, J. A. Bouzada</i>	
85.23	Designing a breeding programme for brine shrimp (<i>Artemia franciscana</i>)	798
	<i>B. Santana, C. Rochus, H. Becher, R. Gratacap, G. Gorjanc, I. Pocrnic</i>	
85.24	Identification of developmental stages of bovine embryos using high-throughput transcriptome sequencing	799
	<i>K. Żukowski, K. Mietkiewska, P. Kordowitzki, C. Pareek</i>	
85.25	Genetic correlations between slaughter loss and other economically important traits measured on live pigs in DanBred Yorkshire	799
	<i>R. L. Hastrup, A. J. Buitenhuis, O. F. Christensen, A. C. Sørensen</i>	
85.26	Opposite inbreeding load for reproductive traits in lines of mice divergently selected population	800
	<i>D. Perdomo-González, C. Ojeda-Marín, N. Formoso-Rafferty, L. El-Ouazizi El-Kahia, L. Varona, I. Cervantes, J. P. Gutiérrez</i>	
85.27	Identification of recessive genetic defects in the Abundance regional cattle breed using routine genotyping and life history information	800
	<i>C. Escoufflaire, C. Hozé, M. Boussaha, A. Barbat, S. Aguerre, F. Besnard, M. Ben-Braiek, D. Boichard, G. Foucras, S. Fritz, A. Capitan</i>	
85.28	Early Detection of Chromosomal Abnormalities in Cattle using SNP beadchip intensity data	801
	<i>C. Escoufflaire, V. Costes, M. C. Deloche, A. Bonnet, A. Bonnet-Garnier, D. Boichard, A. Capitan, S. Fritz, D. Le Bourhis</i>	
85.29	Copy number variations among draught and milk type zebu cattle of South Asia by whole genome sequencing	801
	<i>T. K. Mavunga, J. Sölkner, G. Mészáros, R. Pichler, Y. Ressaissi, M. B. Malima, M. Barbato, K. Periasamy</i>	
85.30	Long-read Pangenome of Holstein Cattle to Resolve Difficulties in Simultaneously Calling Structural Variations and SNPs	802
	<i>Y. Zheng, C. Reimer, A. Weigend, C. Klein, S. Weigend, C. Kuehn, J. Geibel</i>	
85.31	Identification of genomic regions with transmission ratio distortion associated with potential lethal alleles in beef cattle	802
	<i>G. R. D. Rodrigues, L. F. Brito, L. F. M. Mota, J. N. S. G. Cyrillo, J. B. Silva Neto, M. A. F. Campos, L. El Faro, L. G. Albuquerque, M. E. Z. Mercadante</i>	
85.32	Incorporating Breed-Specific Recombination Maps in Selection Signature Analysis of Cattle Breeds	803
	<i>N. Abdollahi Sisi, D. Wittenburg, H. Schwarzenbacher, F. Seefried</i>	
85.33	Further characterization of the structural variant upstream of the KIT gene underlying head depigmentation across a diverse panel of cattle breeds	803
	<i>V. Sorin, M. P. Sanchez, L. Drouilhet, G. Tosser-Klopp, M. M. Naji, D. Boichard, H. Pausch, M. Boussaha, A. Leonard</i>	
85.34	Metafounders and accuracy of genomic prediction in tropical dairy herds for milk yield	804
	<i>E. Negussie, M. Lidauer, I. Strandén, S. Meseret, B. Jufar, G. Gebreyohanes, M. Hassan, O. Mwai, R. Mrode</i>	

The European Federation of Animal Science - EAAP

The main aims of the EAAP are to promote, by means of active co-operation between its members and other relevant international and national organizations, the advancement of scientific research, sustainable development and production systems; experimentation, application and extension; to improve the technical and economic conditions of the livestock sector; to promote the welfare of farm animals and the conservation of the rural environment; to control and optimize the use of natural resources in general and animal genetic resources in particular; to encourage the involvement of young scientists and technicians. More information on the organization and its activities can be found at www.eaap.org.

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The European Federation of Animal Science (EAAP) has close established links with its sister organizations of American Society of Animal Science (ASAS), American Dairy Science Association (ADSA), Canadian Society of Animal Science (CSAS) and Asociación Latinoamericana de Producción Animal (ALPA) and is also member of the World Association for Animal Production (WAAP).



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- Julia Unseld, Federal Ministry for Agriculture, Forestry, Regions and Watermanagement (BML)
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Agriculture and Forestry, Climate
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EAAP Workshops and Conferences in 2026

TITLE	WHERE	WHEN
Livestock farming and the environment: emissions and solutions	Angra do Heroismo, Azores Islands (Portugal)	19-21 April 2026
4th Regional Meeting – Mediterranean region	Sassari (Italy)	20-22 May 2026
Livestock Mountain Farming	Landquart (Switzerland)	15-17 June 2026
2nd Artificial Intelligence for Animal Science Conference	Ghent (Belgium)	29-30 June 2026 (not confirmed)
77th Annual Meeting	Hamburg (Germany)	7-11 September 2026
One Nutrition	Rome, FAO (Italy)	November 2026 (to be decided)

Industry Members Club



EAAP started in 2023 a new initiative to create closer connections between European livestock industries and the animal science network. Therefore, the “EAAP Industry Club” was shaped with the specific aim of bringing together the important industries of the livestock sector with our European Federation of Animal Sciences. All companies dealing with animal production (nutrition, genetic, applied technologies, etc.) are invited to join the “EAAP Industry Club” because industries will have opportunity to increase their visibility, to be actively involved in European animal science activities, and to receive news and services necessary to industries. In addition, through the Club, industries will enlarge their scientific network and will receive specific discounts on sponsoring activities.

The Industries that already joined the “EAAP Industry Club” are:

illumina®

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The Club gives:

Visibility • Company name and logo at EAAP website and all relevant documents • Slides with name and logo at Official Events • Priority links with EAAP Socials • Invite, through EAAP dissemination tools and socials, people to events organized by your company • Information disseminated through a brand new Industry Newsletter • Networking • Joining the Study Commissions and Working Groups • Suggest topics to be considered for Annual Meetings Scientific Sessions • Organize Professional Panel through the EAAP platforms • One free registration to each Annual Meeting and at every meeting organized by EAAP • Five individual memberships at no cost • Many possible discounts (-30%) to sponsor and to increase company visibility through: EAAP Newsletter, EAAP website, EAAP Annual Meetings and workshops • Support young scientist by sponsoring scholarships named by the company • Co-Organize and sponsor webinars

Make yourself more visible within the livestock industry via the animal science network!

For more information please contact eaap@eaap.org

YoungEAAP



What is the YoungEAAP?

YoungEAAP is a group of young scientists organized under the EAAP umbrella. It aims to create a platform where scientists during their early career get the opportunity to meet and share their experiences, expectations and aspirations. This is done through activities at the Annual EAAP Meetings and social media. The large constituency and diversity of the EAAP member countries, commissions and delegates create a very important platform to stay up-to-date, close the gap between our training and the future employer expectations, while fine-tuning our skills and providing young scientists applied and industry-relevant research ideas.

Committee Members at a glance

- Ines Adriaens (President)
- Jana Obsteter (Vice President)
- Giulia Gislon (Secretary)

YoungEAAP promotes Young and Early Career Scientists to:

- Stay up-to-date (i.e. EAAP activities, social media);
- Close the gap between our training and future employer expectations;
- Fine-tune our skills through EAAP meetings, expand the special young scientists' sessions, and/ or start online webinars/training with industry and academic leaders;
- Meet to network and share our graduate school or early employment experiences;
- Develop research ideas, projects and proposals.

Who can be a Member of YoungEAAP?

All individual members of EAAP can join the YoungEAAP if they meet one of the following criteria: Researchers **under 38 years of age** OR within **10 years after PhD-graduation**.

Just request your membership form (info@eaap-youngclub.org) and become member of this network!!!

Thanks to the 76th Annual Meeting of The European Federation of Animal Science

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Welcome to Austria!

We are honored to host the EAAP annual congress once again — more than two decades since it was last held in Austria. Welcoming guests from around the world is always a joy, especially when we get to showcase our unique landscape in combination with local agriculture and food production in the alpine setting of Innsbruck.

“Future-Proof Livestock Farming,” resonates with our national focus on circular economy and site-adapted agriculture in Austria. Favourable locations for fruit and vegetable cultivation, such as arable farming and fattening, alpine mountain regions skilfully used by ruminants for landscape maintenance and high-quality dairy products, as well as careful growth of beef cattle and animal-friendly husbandry in mother-bound calf rearing. Austrian agricultural systems combine both tradition and innovation.

As a member of the EAAP, the Federal Ministry of Agriculture is keen to share the latest research findings with the scientific community, particularly with regard to the transfer into practice, feasibility and profitability for production agriculture.

With a shared commitment to sustainable livestock farming, we are especially pleased to have the ‘Sustainable Animal Husbandry Austria’ association at our side as a competent and industry-recognised partner in the preparations leading up to the EAAP Annual Meeting here in Innsbruck as well as the Tyrolean Chamber of Agriculture – we thank our partners for their support!

We look forward to offering you enjoyable moments, interesting encounters and space for informative dialogue throughout the event.

Warm regards,
The Local Organizing Committee



Josef Wiesböck
BMLUK



Julia Unseld
BMLUK



Johanna Prodingner
NTÖ



Stefanie Zottl
NTÖ



Roland Taferner
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Christa Egger-Danner
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Republic of Austria

Federal Ministry of Agriculture
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As a member of the EAAP we are grateful for the great international exchange regarding science and research, further development and innovation, as well as learning from each other and talking to each other.

While agriculture, forestry and water management remain at the forefront, our agency has newly incorporated the agendas of climate, environment, and nature conservation

Especially with the takeover of climate and environmental agendas, it is a concern of our house to present agriculture - and especially animal husbandry - as an important factor with regard to circular economy, food safety, and food security.

But that's not all. As a sector that is heavily affected by climate change, we also contribute to mitigating the consequences proactively through our actions, behavior, and consumption, and support climate change adaptation measures in various ways, strengthen their resilience, work in a future-oriented manner, and take into account new requirements for agriculture without jeopardizing their competitiveness.

Agriculture is part of our identification and culture, creates jobs, shapes the rural landscape, contributes to the economy, and provides security. One of our main concerns is to create trust in the quality of our products, administration, and transparency.



Sustainable Animal Husbandry Austria
NTÖ – Nachhaltige Tierhaltung Österreich

As an umbrella organisation, Sustainable Animal Husbandry Austria (NTÖ) represents all producer associations and industry representatives of livestock farming in Austria. As well as acting as a communication platform, we are also a contact point for farmers' concerns and offer support in implementing various agricultural guidelines, drafting them and representing agricultural interests in various committees. We also provide education to farmers, and our close relationship with research partners helps us to shape the course programme and the interests of farmers.

It is essential to us that new scientific information is made accessible to farmers and linked to practice. Only in this way can ongoing developments be implemented directly on farms. NTÖ has a strong focus on public relations work and the creation of numerous teaching materials, information brochures, appealing short videos, and informative social media content to increase transparency and improve the public image of modern, innovative agriculture. Our vision is to strengthen the link between animal husbandry and consumers once again.



Set the Standard, Not the Guesswork.

GreenFeed™ Delivers Proven Accuracy.

A Global Market Leader in Ruminant
Emissions Monitoring.

Researchers across the globe rely on GreenFeed™ to deliver accurate insights on ruminant emissions that not only help protect the planet but build profitability and boost productivity. GreenFeed is a game-changer for agriculture.

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GreenFeed allows you to quickly determine how often each animal is visiting a system. You can easily distinguish which of your cattle are using GreenFeed and how often. You will be alerted if an animal has not visited.

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GreenFeed is portable and adaptable to your individual needs in real-world production settings. You can connect via a Wi-Fi or cellular connection depending on what works best for your operation.

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GreenFeed is trusted by top universities, leading researchers, and innovative farmers in 48 countries. Why? Because it's proven to work by over 500 peer-reviewed studies. You can trust it too.

Scan the QR code to learn how you can secure this technology and transform your operation.



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Why Innsbruck



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Innsbruck, the picturesque capital of the Austrian province of the Tyrol, is embedded in a breathtaking Alpine panorama. Nature, culture, science, research and business come together in Innsbruck and the Tyrol region: traditional customs meet modern innovations, old meets new, regional specialties meet international discoveries. Innsbruck promotes and lives diversity at all levels. The quality of life in Innsbruck is exceptionally high: the Tyrolean capital is regularly rated as an excellent place to live. Clear mountain air, the purest spring water, outstanding safety, high standards and state-of-the-art infrastructure contribute to people's satisfaction. The Tyrolean economy is one of the strongest in Austria. The universities in the provincial capital are among the most renowned in Europe and, with over 350 years of history, are also the richest in tradition. Over 35,000 students ensure that the city always remains fresh and young.

But tradition also has a history. Especially when it comes to alpine farming, there is probably no better place in Austria than here to bring the world together to not only discuss the future of animal husbandry, site-adapted agriculture and, above all, animal husbandry as part of a functioning circular economy, but also to experience it at first hand.

About Austria

Austria is renowned for their diverse and high-quality agricultural products. The region around Innsbruck is particularly famous for its dairy products, with about 35 to 40% of the agricultural production value coming from the milk industry. This sector includes around 4,200 farms that produce approximately 350,000 tons of milk annually. The region also boasts 44,300 dairy cows, 2,376 sheep, and 6,075 goats, all contributing to the rich dairy heritage of the Tyrol.

Tiroler Bergkäse is a protected designation of origin for a traditionally produced, matured hard cheese made from the milk of cows that graze in the Tyrolean mountains. Similarly renowned are the Tyrolean bacon specialties, which acquire a distinctive aroma through the unique climate and traditional smoking process. Additionally, the Tyrol is known for its direct marketing of agricultural products, with over 4,000 farms selling their produce directly to consumers through various channels such as farmers' markets, farm shops, and home delivery services.

In addition, Austria is renowned for the quality of agricultural products, like beef, grains, and wines. The country's beef industry is an important part of its agricultural landscape. In addition to livestock, Austria also produces a variety of high-quality grains such as wheat, barley, and corn that are crucial to the nation's food and feed production which gives us an high percentage of homegrown feed for animal production.

Beyond meat and grains, Austria's winemaking tradition dates back centuries, with renowned wine regions like Lower Austria, Burgenland, and Styria producing world-class vintages like the famous Grüner Veltliner. These diverse agricultural products highlight the breadth and excellence of Austria's food and beverage industries. Some of these production and marketing systems will be subject of technical visits organized at the end of the technical session.

©InnsbruckTourismus/Markus Mair



Agriculture in Austria



©InnsbruckTourismus/Markus Mair

Austria covers a total area of 8.4 million hectares. Of this, around 2.55 million hectares are used for agricultural purposes according to INVEKOS (2022). This area is made up of 1.32 million hectares of arable land and 1.17 million hectares of permanent grassland. The agricultural landscape is characterised by numerous small to medium-sized family farms, which play a crucial role in Austria's food security. On average, a farmer in Austria cultivates an area of 44.9 hectares. Particularly noteworthy is the strong focus on organic farming, which makes Austria one of the world's leading countries in this area, accounting for around 25% of total agricultural land.

Austria has the largest proportion of Alpine land of all Alpine countries, with 63% of the country's surface area being high Alpine mountains. Livestock farming, dairy farming and forestry dominate in these regions due to the geographical conditions of relief and climate. Arable farming, on the other hand, is mainly practised in areas north of the Danube, in Burgenland and in southern Styria, with the main crops being wheat, barley, maize, potatoes and sugar beet. Viticulture and fruit growing are widespread in climatically favoured locations, particularly in the foothills of the Alps, in Lower Austria and in the Danube valley.

Austrian agriculture makes a significant contribution to global food security, as shown by the high Global Food Security Index, which places Austria in 12th place with a score of 78.1%. The level of self-sufficiency is also impressive, with wheat grain (145%), wine (100%), drinking milk (178%), veal and beef (147%) and pork (108%) are produced in the country. It is important to note that around 70% of Austria's agricultural land is located in less-favoured areas, particularly in mountainous regions.

Almost half of the country's total area, namely 47.9 per cent, is covered by forest, more than 80 per cent of which is privately owned. Around 145,000 families own forests and pass them on from generation to generation, ensuring the diverse and sustainable services provided by the forest in a long-term and responsible manner. The forest owners thus not only secure the habitat for animals and plants, but also the income for around 300,000 people. With an area share of around 46.2 per cent, spruce is the most important tree species in Austria, followed by beech with a share of 10.5 per cent. The country's abundance of forests has contributed to the development of modern forestry and an extensive timber and wood processing industry with a high export quota.

Places to see in Innsbruck



© Innsbruck Tourismus / Markus Mair

A SYMBOL OF INNSBRUCK: THE GOLDEN ROOF

The “Goldenes Dachl” in Innsbruck is an iconic landmark of the city. Built in 1500, the late Gothic oriel adorns the old town and is characterised by its roof made of 2,657 fire-gilded copper shingles. It was originally built for Emperor Maximilian I as a grandstand from which he could watch festivals and tournaments. Today, the Golden Roof houses a museum that offers insights into the history and culture of the Tyrol.

LEARN ABOUT TYROL'S FREEDOM FIGHTERS

In 1809, Andreas Hofer led the Tyrolean rebellion to the Battle of Bergisel. The TIROL PANORAMA is an impressive 360° work of art covering almost 1,000 square metres and depicting scenes from the legendary Tyrolean fight for freedom. Visit the museum and combine it with a hike on the Bergisel circular trail to Drachenfels to experience history up close.



© Innsbruck Tourismus / Alexander Haiden



© Innsbruck Tourismus

SPARKLING SPLENDOUR

Over a hundred years ago, Daniel Swarovski (1862-1956) revolutionised the world of jewellery by developing a method of cutting and polishing glass in a way that it glitters and sparkles like diamonds. The Swarovski Crystal Worlds in Wattens, open since 1995, invite visitors into the fascinating world of these sparkling stones. Multimedia artist André Heller has created a unique place of fantasy: Ancient history and contemporary works of art come together in 18 sparkling rooms. The exhibition of EAAP2025 will be located in the Kristall Foyer, a place that has certainly earned its name as it has a wall relief covered in thousands of crystals from the Tirolean company Swarovski.

CENTURIES OF SPLENDOUR IN THE IMPERIAL RESIDENCE

In 1500, during the reign of Emperor Maximilian I, the Imperial Palace in Innsbruck was completed. The magnificent building not only served as the residence of the imperial family, but also fulfilled representative purposes.

Over the centuries, the palace was remodelled several times. Alongside the Vienna Hofburg and Schönbrunn Palace, the Innsbruck Hofburg is one of the most important cultural buildings in Austria.



© Innsbruck Tourismus / Christian Vorhofer



© Innsbruck Tourismus / Markus Mair

SPECTACULAR VIEWS OF THE CITY

More than 133 steps lead up to the viewing platform of the Innsbruck city tower. After its construction in 1450, it was used as a watchtower and offered a comprehensive view of the entire city. Whenever a threat arose, be it from enemies or fire, the citizens were warned quickly. Today, the viewing platform, which towers 31 metres above the ground, offers both locals and tourists wonderful views of Innsbruck and the surrounding mountains.

DISCOVER THE ALPINE FLORA AND FAUNA

At Innsbruck Alpine Zoo, visitors can experience the fascinating animal world of the Alps up close and discover many rare Alpine animals. With its magnificent location above the city, the zoo not only offers unique insights into the diversity of Alpine fauna, but also a breathtaking view of the surrounding mountain landscape. A visit to the Alpine Zoo is an unforgettable experience for nature lovers and families alike.



© Innsbruck Tourismus / Alpenzoo



© Innsbruck Tourismus

THE EXCITING WORLD OF SKI JUMPING

The Bergisel ski jump in Innsbruck has already hosted Olympic ski jumping competitions and Nordic World Championships and is part of the annual Four Hills Tournament. The ski jump impresses with its modern architecture by star architect Zaha Hadid and offers a breathtaking panoramic view of the city from a viewing platform with adjoining restaurant. Visitors can discover the historical significance of the facility and experience the fascination of ski jumping up close.

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solution to
monitor CH₄ and
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[Tecnosens.it/moologger](https://tecnosens.it/moologger)

Contact us: +39 030 3534144
Email: moologger@tecnosens.it

How to get to Innsbruck

PRACTICAL INFOS

Official Language

We use English as an official language at the conference. There won't be a provision of translation.

Time Zone

CET – UTC +2h

Climate

Innsbruck generally has a temperate climate, but with a partly alpine character. August is usually the hottest month of the year in Innsbruck. The average minimum temperature in Innsbruck in August is 13.5°C (56.3°F), the maximum daytime temperature lies around 27°C (80.6°F). Evenings tend to be cooler.

HOW TO GET TO INNSBRUCK / CONGRESS INNSBRUCK

As the capital of the Tyrol, Innsbruck has excellent transport connections by plane, train and car, making the city easy to reach both by public transport and by car. Within the city, you can get around comfortably and safely on foot, by bike, bus or tram.

By plane

Innsbruck Airport is located around four kilometres from the city centre and can be reached by car in 10 to 15 minutes. It offers national and international flight connections, including several daily direct flights to and from Frankfurt, London, Rotterdam and Vienna. In addition to scheduled flights, there are also seasonal charter flights. There are six car hire companies at Innsbruck Airport offering a wide range of vehicles. Thanks to its excellent location, the city centre is also easy and convenient to reach by public transport in only 15 minutes (bus line F), stop central station.

By train

Innsbruck's main railway station is an important hub for European north-south and east-west rail traffic. International long-distance trains from Munich, Vienna, Zurich, Venezia, Bologna and Verona as well as all regional trains stop at Innsbruck main station. Congress Innsbruck can be reached from the main railway station in just 5 minutes by taxi, bus or S-Bahn. Alternatively, you can take a relaxing walk that will take you to Congress Innsbruck in about 15 minutes.

By car

A guidance system leads you easily and directly from the motorway exits through Innsbruck to Congress Innsbruck. The entrance to the Congress underground car park is right next to the main entrance (Herrengasse / Rennweg entrance). Two charging stations for electric vehicles are also available there.

By tram & bus

Innsbruck has a well-developed network of trams and buses that connect the city and the surrounding regions. The lines cover the city districts and connect them with the main railway station, the airport and other central points.

Bus line F runs between Innsbruck Airport and Innsbruck Central Station (journey time approx. 15 minutes). From the central station, you can take regional bus line 540 directly to the congress venue's main entrance ("Congress / Hofburg" bus stop) or you can walk (approx. 15 minutes). Other bus and tram stops on various lines are also within walking distance of Congress Innsbruck.

By bike

It is particularly easy to get around Innsbruck with the "Stadtrad" hire bikes. Simply register at www.stadtrad.ivb.at or via the "nextbike" app. There you will find all the details about the hire and return stations. Bicycle parking spaces are available at the main entrance and in front of the Haus der Musik.

Technical tours on 29 August 2025

Together with our partners in Tirol we are happy to offer you 7 outstanding technical tours. Each tour aims to highlight regional breeds, farming best practices and expert knowledge as well as cultural and gourmet highlights in an alpine setting.

Appropriate footwear and gear is advised.

Busses leave at 08:00 AM from Congress Innsbruck
Return by 5:00 PM to Congress Innsbruck

Tiroler Bergschaf: Alle Infos zur bedrohten Schafrasse bei Gottstein



TOUR 1

Price: € 90,00

Sheep farming on traditional pastures in the Ötztal

Keywords: *Sheep, genetic conservation, Alpine Pastures, biodiversity*

Visit sheep pastures in the Ötztal valley, where traditional farming methods help to preserve cultural landscape and biodiversity.

Hengstalm Erlebnisstag



TOUR 2

Price: € 90,00

The Tyrolean Haflinger

Keywords: *Horses, Breeding, Alpine Pasture and Valley*

The Tyrolean Haflinger, known for their typical chestnut color and flaxen mane, are well known across Europe. Visit the stud farm in Ebbs and get direct insights into the breeding and selection process. In good weather we will also visit the Alpine Pasture for Haflinger stallions.

Unsere Tirol Milch Märkte | Tirolmilch



TOUR 3

Price: € 90,00

Tirol Milch Dairy Tour and Dairy Farm

Keywords: *Dairy Farm, Milk and Cheese production, Dairy Tour*

Tirol Milch dairy produces some of the most popular dairy products in Austria. At Stefan Lindner's dairy farm, we get insight into high animal welfare standards. Then we visit one of Tirol's biggest dairy producers to see how the milk gets refined into prize-winning cheese specialties.

TOUR 4**Price: € 90,00**

Original Braunvieh

Brown Swiss Cattle and Bergisel Ski Jump**Keywords:** *Brown Swiss Cattle, Ski Jump, Innsbruck valley*

Brown Swiss are especially popular in the west of Austria, due to their robustness and adaptability to difficult terrain. We will visit a Brown Swiss breeder in the Innsbruck Valley. Whether or not you are a fan of winter sports – the Bergisel Ski Jump is one of the famous sights of Innsbruck. Get a unique view of Innsbruck from above – for all Adrenaline seekers it is possible to experience sitting “Zitterbalken” from which ski jumpers take off.

TOUR 5**Price: € 90,00**

Seltene Nutztierassen – Handbuch der Vielfalt

Archehof Neuwirt – Conservation of endangered breeds**Keywords:** *genetic conservation, alpine pasture, agrotourism*

Ark farms are havens for genetic conservation: here many endangered animal breeds are kept in the environment they were originally bred for. Learn more about how cows, pigs, chickens and sheep live together on the mountain pasture and how their symbiosis can be beneficial in many ways.

TOUR 6**Price: € 90,00**

Engalm – Engalm

Agriculture meets Tourism at the Eng Alm**Keywords:** *Agrotourism, mountain pastures, traditional farming, dairy*

Nestled in the Alps, the Eng Alm nature reserve offers unspoiled beauty and authentic Tyrolean charm. Explore a show dairy, shop for local specialties, and experience the perfect blend of alpine farming and tourism. Discover the alpine pasture's motto: “Unlimited discovery, amazement, and lots of cheese!” A valid travel document (passport) is required to bring with you to this tour.

TOUR 7**Price: € 90,00**

Tiroler Edle* – Schokolade für edle Genießer

Tyrolean Grey – Fine milk makes fine chocolate**Keywords:** *Cattle, genetic conservation, chocolate*

Visit the Tyrolean Grey cattle farm of Family Pittl, where the small herd is kept on the original farm as suckler cows. Next door we visit the chocolate factory, that refines the milk of Tyrolean Grey into a multi-faceted range of the finest chocolate with raw materials directly from the Austrian Alps.

Social programme

Accompanying program

These tours are also available for booking by EAAP Congress participants.



Innsbruck City Tour

Monday 25th August

Start: 09:00 AM

Return by: 11:30 AM

Discover the charm of Innsbruck on a 2-hour guided city tour, exploring its rich history, stunning architecture, and iconic landmarks like the Golden Roof and Imperial Palace, all set against a breathtaking alpine backdrop.

Price € 14

Swarovski Crystal Worlds

Tuesday 26th August

Start: 09:00 AM

Return by: 01:00 PM

Explore the magical Swarovski Crystal Worlds in Wattens, where art, design, and dazzling crystals come together in breathtaking installations and a sparkling garden of wonder. A truly enchanting experience for everyone! The fee includes the entrance ticket and bus transportation.

Price € 33



Zillertal Dairy

Wednesday 27th August

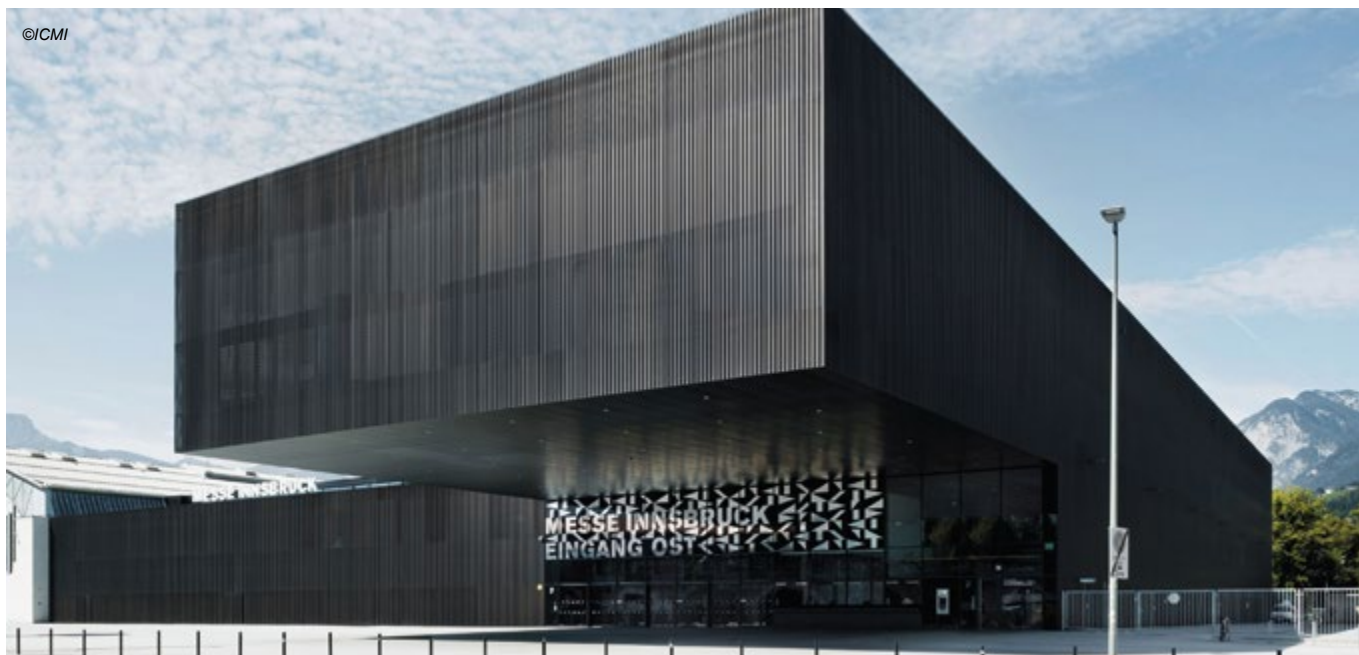
Start: 09:00 AM

Return by: 03:00 PM

The Erlebnissenerei Zillertal offers a unique experience where visitors can discover the art of traditional dairy production, explore interactive exhibits, and enjoy regional delicacies surrounded by stunning alpine scenery. A perfect destination to spend the day in the heart of the Zillertal! The fee includes the entrance ticket and bus transportation.

Price € 36

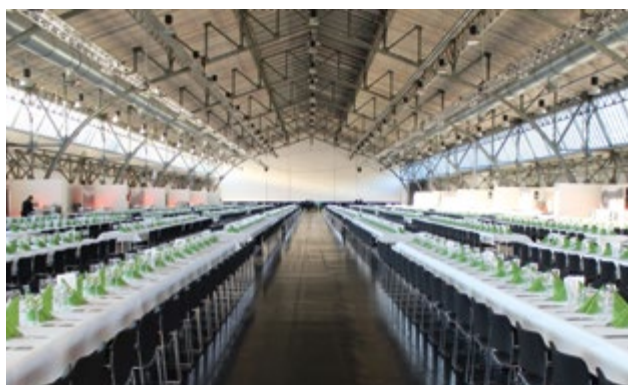
Evening programme



Welcome Ceremony

With a traditional Tyrolean Ceremony we will welcome all participants of the EAAP Annual Meeting 2025! The event will open with a greeting from the President of the EAAP, followed by a special appearance by the Tiroler Schützen, a ceremonial honour traditionally reserved for the most distinguished guests. In the foyer, guests can enjoy a showcase of Austrian agriculture featuring two iconic local breeds: Haflinger horses and Tyrolean grey cattle. Our local partner organisations warmly invite you to network and learn more about Austrian Agriculture!

AUSTRIAN DINNER Monday, 25th August



© Messe Innsbruck B1 - die Bildermacher

Experience the taste of Austria! Join us for a traditional **Austrian Dinner** as part of the EAAP 2025 evening program. Enjoy regional culinary specialties that reflect Austrian hospitality and culture. All meat and dairy products served are from Austria.

Traditional Austrian live music will provide the perfect atmosphere to kick-off the congress week.

GALA DINNER Thursday, 28th August



© dogana_gala_03_die_fotografen

Join us for the official **Gala Dinner** of the EAAP 2025 Congress in one of Innsbruck's most prestigious venues: the **historic Dogana Hall**. Located in Congress Innsbruck, this historical setting provides the perfect backdrop for an unforgettable evening with fine dining and international networking.

All meat and dairy products served are from Austria.

The evening will be accompanied by **live music**.

Information for Participants

LANGUAGE

The official language of the conference is English. No translation will be provided.

WIFI

There is free Wi-Fi access at Congress Innsbruck and Messe Innsbruck:

Network name: congress

User name: ILLUMINA

Password: ILLUMINA

Opening Hours Registration (Congress Innsbruck only)

Sunday, August 24th	08:00 am – 08:00 pm
Monday, August 25th	07:30 am – 05:30 pm
Tuesday, August 26th	07:30 am – 06:30 pm
Wednesday, August 27th	08:00 am – 06:30 pm
Thursday, August 28th	08:00 am – 06:30 pm

Opening Hours Speaker Ready Room

Sunday, August 24th	05:00 pm – 07:30 pm
Monday, August 25th	07:30 am – 05:30 pm
Tuesday, August 26th	07:30 am – 06:00 pm
Wednesday, August 27th	07:30 am – 06:00 pm
Thursday, August 28th	07:30 am – 06:00 pm

REGISTRATION FEES

On-site registration is possible at the NEW REGISTRATION desk at Congress Innsbruck.

Payments are allowed only by credit card or cash payment (EURO). Payment by bank transfer will not be accepted on site.

Registration fee includes: congress kit, access to the sessions, admission to the exhibition and poster area, certificate of attendance, coffee breaks and working lunch as indicated in the program, Welcome Ceremony on August 25th (registration required).

BADGES

Participants and exhibitors are kindly requested to wear their name badge during the entire conference and social events. No admittance to the scientific sessions and to the social events is allowed without badge. No exception will be made. The Registration desk is in Congress Innsbruck. Please collect your badge prior to the conference at Congress Innsbruck, Rennweg 3.

CATERING AREA

There will be multiple Coffee points inside Congress Innsbruck and Messe Innsbruck

Catering area for lunches will be arranged only at Congress Innsbruck, there is no lunch provided at Messe Innsbruck. Please make yourself familiar with the directions to the Congress Center. Special requirements buffet stations will be indicated.

MOBILE APP

The EAAP mobile app is available with information and extended programme: www.eaap.org/app

CERTIFICATE OF ATTENDANCE

Certificates of attendance will be available for download soon after the event at the following link: <https://meetings.eaap.org/certificate-of-attendance-for-eaap-events/>

Guidelines for Oral Communication Authors and Speakers

The Organising Committee of the 76th EAAP Annual Meeting will do its utmost to help authors with their presentations and to facilitate their arrival and stay at the congress.

To ensure smooth and timely handling of all oral presentations, please read the instructions below and submit your final presentation via email to: media-eaap2025@cmi.at

1. File Format and Technical Requirements

All presentations must be prepared in Microsoft PowerPoint (.pptx) format.

Please make sure your file meets the following specifications:

- Format: PowerPoint (.pptx)
- Aspect ratio: 16:9, landscape orientation
- Use only standard Windows fonts
- Insert images using the “Insert image from file” function (JPG or PNG format recommended)
- Videos should be in MP4 or WMV format
- All media must be embedded directly in the PowerPoint file

Mac users: Please export your presentation to PowerPoint format and test it on a Windows 10 computer with PowerPoint 2019 or a later version.

2. File Naming Convention

To ensure presentations are correctly organized, please use the following file name format when submitting your presentation:

Day_Hall_SessionStartTime_TalkNumber_LastName_OriginalTitle.pptx

- Day: Abbreviated day of your session – Mo, Tu, We, Th
- Hall: Name of your presentation room (if not yet known, leave blank or write TBD)
- Session Start Time: Start time of the session in 24-hour format (e.g. 0830 for 8:30 AM)
- Talk Number: Your presentation’s number (e.g. 01, 02, 03)
- Last Name: Your surname
- Original Title: The original title of your presentation file

Example 1:

Dr. Jane Doe presents on Monday in Hall Tirol at 08:30, her presentation number 01, and her original file is called MyPresentation.pptx: Mo_Tirol_0830_01_Doe_MyPresentation.pptx

3. How and When to Submit

Please email your correctly named presentation file to media-eaap2025@cmi.at

If the file is too large for email, please use WeTransfer and send it to the same address.

Deadline:

Please send your presentation by August 18, 2025.

If, for any reason, submission by email is not possible, you may deliver your presentation to the Speaker Ready Room at Congress Innsbruck (Main) or Messe Innsbruck on site.

However, email submission is strongly preferred and highly recommended to avoid delays.

If submitting on site:

- Submit your presentation at least 3–4 hours before your scheduled session
- For morning sessions, please submit the day before
- Early submission helps prevent bottlenecks and allows time for necessary technical checks

4. Important Notes

- You cannot use your own laptop in the session rooms
- Presentations cannot be uploaded directly in the halls
- All presentations must be submitted via email or, in exceptional cases, in person at the Speaker Ready Room

POSTER PRESENTATIONS

Posters will be presented in portrait format (100 cm high and 70 cm wide) with the title, the addresses of authors, the picture of the presenting author and the scientific content (introduction, methods, results, discussion, conclusion).

The poster should be printed by the participants.

The poster number will be displayed at the top of the designated panel. Mounting materials will be provided. If you encounter any issues while hanging your poster, please contact the on-site staff for assistance.

During the poster session authors should be in attendance at their poster.

Posters	Room	Poster Presentation	Poster Session
Sess. 1 to 26	Congress Innsbruck Tirol Foyer – Floor 1	Aug. 25th, 08:30 am to Aug. 26th, 03:00 pm	Aug. 26th, 01:30 pm to 02:30 pm
Sess. 27 to 39	Congress Innsbruck Künstler Foyer – Floor 2	Aug. 25th, 08:30 am to Aug. 26th, 03:00 pm	Aug. 26th, 01:30 pm to 02:30 pm
Sess. 40 to 73	Congress Innsbruck Tirol Foyer – Floor 1	Aug. 26th, 05:00 pm to Aug. 28th, 03:00 pm	Aug. 27th, 01:30 pm to 02:30 pm
Sess. 74 to 85	Congress Innsbruck Tirol Künstler – Floor 2	Aug. 26th, 05:00 pm to Aug. 28th, 03:00 pm	Aug. 27th, 01:30 pm to 02:30 pm

Please note the following deadlines for poster removal:

- Posters presented on Tuesday must be taken down by Tuesday, August 26th at 3:00 PM. Any posters remaining after this time will be discarded.
- Posters presented on Wednesday must be taken down by Thursday, August 28th at 3:00 PM. Any posters remaining after this time will be discarded.

Poster Printing – Optional Service for Conference Participants

If you prefer not to travel with your poster, we recommend using the local printing service offered by **Studia Buchhandlung und Copyshop**, located at **Innrain 52f, Innsbruck**. You can submit your poster file in advance and collect the printed poster upon arrival in Innsbruck.

Below you will find the details for file submission and production:

File Format and Print Size

Only PDF files in the final print size (A0) are accepted. PowerPoint or Apple Keynote files cannot be processed.

Paper Options and Pricing

- Matte photo paper: 17 € per A0
- Semi-glossy paper: 30 € per A0

A processing fee of 1.90 € per order applies. This covers file verification and any necessary adjustments to the print size.

Production Time

Please send your files as early as possible. Production may take up to two working days.

Pick-Up Location and Opening Hours

Printed posters can be collected at:

Studia Buchhandlung und Copyshop

Innrain 52f, Innsbruck

Opening hours:

Monday: 07:45 am – 06.00 pm

Tuesday to Thursday: 08:30 am – 06:00 pm

File Submission and Payment

Please email your PDF file to copy@studia.at. Include the name of the person who will collect the poster, so it can be properly labeled.

Payment is made upon collection, either in cash or by card.

Uploading presentations on the EAAP website

The Book of Abstracts containing all abstracts presented at the conference will be available on the EAAP 2025 website (www.eaap2025.org).

PDF files of contributions will also be available following the conference for downloading from the EAAP website (www.eaap.org).

This site will enable delegates to obtain more detailed information about work being presented at the meeting. A password, given only to registered participants, will be required.

To authors

If authors do not wish to give permission to have the pdf presentation or poster available on the EAAP website, they must inform EAAP before September 30th (after the conference) by sending an email to eleonora@eaap.org.

After this date, EAAP will assume permission and include your presentation/poster on the EAAP website.

Congress venue



Congress Innsbruck

Rennweg 3, 6020 Innsbruck

Congress Innsbruck: 13 halls and the functionally diverse foyers on 3 levels of Congress Innsbruck fulfil a wide range of requirements and can be used flexibly. The venue is suitable for international and national congresses, conferences and corporate events for up to 3,300 people. The venue's special features include its proximity to the Imperial Gardens, Innsbruck's old town with its alpine-urban charm, a crystal-clear alpine river running through it (the Inn) and encircling mountains.





©CMI

Messe Innsbruck

Ing. Etzel-Straße 31, 6020 Innsbruck

Messe Innsbruck: Located just a few minutes' walk from the Congress Innsbruck and the Imperial Gardens. Tyrol's largest exhibition centre is an easily accessible venue spanning an overall area of more than 56,000 square meters.



GEPRÜFTE

QUALITÄT



Das hat einen Wert.

amainfo.at

EAAP Study Commissions



Commission on Animal Genetics

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