

Session 01 "Horse keeping and Society"

Monday, Ago 25th , 08:30 - 12:30

Chairpersons: Markku Saastamoinen (Fin) and Rhys Evans (No)

Overview abstracts session "Horse keeping and society"

Session description

This session welcomes papers and posters on topics related to the structures and systems within which we keep horses and on the impact of these on the environments and societies in which we are located, and on those which surround us. Proposals are welcome on (but not limited to) the following indicative topics: -The built environment of horse keeping (e.g. re-purposing of farm buildings; resolving conflicts in multi-use areas; utilizing horse manure; riding out facilities). -The physical environment of horse keeping (e.g. grazing for biodiversity; impacts of horses on trails and bridle ways; improving physical environments for horse welfare). - Systems of horse keeping (e.g. single stalling and common stalling; keeping outdoors vs. indoors; feed, water and waste systems; impacts of horse activities).

Theatre presentations

1. Abstract # 19114

The equine industry in Canada: Developing resiliency in a diverse and complex landscape.

B.L. Wilton

University of Guelph, School of Environmental Design and Rural Development, 50 Stone Rd. East, Guelph, N1G 2W1, Canada; bwilton@uoguelph.ca

2. Abstract # 18381

Horse breeding in Europe - Quo vadis?

S. Wägeli, H. Jörg, C. Herholz

Bern University of Applied Sciences, School of Agricultural, Forest and Food Sciences HAFL, Länggasse 85, 3052 Zollikofen, Switzerland; salome.waegeli@bfh.ch

3. Abstract # 18425

Equine Society or Not? The cultural hegemony of horse keeping at home versus at livery

J. Mckeown

Aberystwyth University, School of Management and Business, Llanbadarn Fawr, Aberystwyth, SY23 2AL, United Kingdom; jum1@aber.ac.uk

4. Abstract # 19492

Why do you have so many horses? Horse culture in Iceland

G. Helgadóttir, I. Sigurðardóttir

Hólar University College, Rural Tourism, Hólar, 551 Sauðárkrókur, Iceland; gudr@holar.is

5. Abstract # 18772

Horses in the Society 2012-2014-project in Finland

S. Mäki-Tuuri, A. Laitinen

Hippolis, Opistontie 10a2, 32100 Ypäjä, Finland; info@hippolis.fi

6. Abstract # 18383

Sport horse breeding and agriculture: The end of a relationship?

S. Wägeli¹, T. Wülser¹, J. Grossniklaus¹, C. Herholz¹, H. Jörg¹, H.R. Bracher², H.R. Häfliger², A. Lüth²

¹Bern University of Applied Sciences, School of Agricultural, Forest and Food Sciences HAFL, Equine Sciences, Länggasse 85, 3052 Zollikofen, Switzerland, ²Swiss Sport Horse Breeding Association, Les Longs Prés, Postfach 125, 1580 Avenches, Switzerland; salome.waegeli@bfh.ch

7. Abstract # 18606

Equine Triads: Horse, Owner and Partner. Who loves ya baby?

J. Mckeown¹, K. Dashper², C. Wallace³

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8. Abstract # 18862

The aging of equestrian recreation sport and tourism

J. Gillett, D. Nichiporuk

McMaster University, 1280 Main Street West, L8S 4M4, Canada; gillett@mcmaster.ca

9. Abstract # 19060

Home off the range: Managing wild horse herds and public land users' rights

C.J. Stowe

University of Kentucky, Agricultural Economics, 307 CE Barnhart, Lexington, KY 40546, USA; jill.stowe@uky.edu

10. Abstract # 18818

Perspective of the use of cold-blooded horses in Poland - illusions or reality?

G. Polak, J. Krupinski

National Research Institute of Animal Production, National Focal Point, Wspolna 30, 00-930 Warsaw, Poland; grazyna.polak@izoo.krakow.pl

11. Abstract # 18951

Natural values on semi-natural and permanent pastures grazed by horses

I. Herzon¹, M.T. Saastamoinen², S. Särkijärvi², M. Myllymäki², C. Schreurs¹

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12. Abstract # 19010

A web tool helping horse stables to improve manure management

I. Riipi¹, A. Reinikainen¹, S. Särkijärvi², M. Saastamoinen², M. Myllymäki², M. Järvinen³, L. Rantamäki-Lahtinen³

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S17 - Welfare, behaviour and health in horse management

Monday, Ago 25th , 14:00 - 18:00

Chairperson: Rhys Evans (No)

Theatre presentations

1. Abstract # 18478

Time management in stable routines

T. Thuneberg¹, L. Väitalo¹, A. Teppinen²

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2. Abstract # 19067

Shelter use by Icelandic horses in the winter period

J.W. Christensen, K. Thodberg

Aarhus University, Animal Science, Blichers alle 20, 8830, Denmark; JanneWinther.Christensen@agrsci.dk

3. Abstract # 18724

Testing of a wood pellet product as bedding material in horse stables

C.U.P. Herholz, S. Wägeli, M. Feuz, C. Häni, T. Kupper, A. Burren, B. Reidy

University of Applied Sciences, School of Agricultural, Forest and Food Sciences HAFL, Länggasstrasse 85, 3052 Zollikofen, Switzerland; Conny.Herholz@bfh.ch

4. Abstract # 18901

Do horses prefer to drink the water that they are used to?

P. Michanek

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5. Abstract # 19052

Equine cortical bone: in vivo and ex vivo properties assessment

M.J. Fradinho¹, A.C. Vale², N. Bernardes³, R.M. Caldeira¹, M.F. Vaz², G. Ferreira-Dias¹

¹CIISA, Faculdade de Medicina Veterinária, ULisboa, Av. Univ. Técnica, 1300-477 Lisboa, Portugal, ²ICEMS and Departamento de Engenharia Mecânica, IST, ULisboa, Av. Rovisco Pais, 1049-001 Lisboa, Portugal, ³Faculdade de Medicina Veterinária, ULisboa, Av. Univ. Técnica, 1300-477 Lisboa, Portugal; amjoaofradinho@fmv.ulisboa.pt

6. Abstract # 19179

Comparison between equestrian simulator training and training on horses

M. Von Lewinski¹, N. Ille¹, C. Aurich¹, R. Erber¹, M. Wulf¹, R. Palme¹, B. Greenwood², J. Aurich¹

¹Vetmeduni, Veterinärplatz 1, 1210 Vienna, Austria, ²Racewood, Park Road, Tarporley, United Kingdom; mareike.lewinski@vetmeduni.ac.at

7. Abstract # 18728

Field study on saddle pressure distribution in healthy horses

M. Glaus¹, S. Witte², S. Wägeli¹, A. Burren¹, C.U.P. Herholz¹

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3052 Zollikofen, Switzerland, ²Vetsuisse Faculty Bern, ISME Equine Clinic, Länggasstrasse 124, 3012 Bern, Switzerland; m.glaus1@gmx.ch

8. Abstract # 19224

Riders' Motivation, Involvement and Their Behavioural Intentions

J. Wu

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9. Abstract # 19175

Stress response and interaction with the horse of male and female riders in equestrian show jumping

N. Ille, J. Aurich, M. Von Lewinski, R. Erber, M. Wulf, R. Palme, C. Aurich

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Posters

Abstract # 18605

Feeding behaviour of free ranging Lusitano mares in an irrigated pasture

A.S. Santos^{1,2}, R.J.B. Bessa³, M.A.M. Rodrigues¹, M.P. Cotovio¹, E.G. Mena¹

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Abstract # 18850

Effect of antioxidant supplementation to horses on muscle integrity and resistance to training.

F. Barbe¹, A. Sacy¹, P. Bonhomme²

¹LALLEMAND, 19 rue des Briquetiers, 31702 Blagnac, France, ²ECOPHAR, 48 av. Pierre Piffault, 72 000 Le Mans, France; fbarbe@lallemand.com

Abstract # 19264

The influence of load to the heart frequency of the sport horses

E. Mlyneková, M. Halo, K. Vavrišínová

Slovak University of Agriculture, Department of Animal Husbandry, Tr. A. Hlinku 2, 94976 Nitra, Slovak Republic; klara.vavrisinova@uniag.sk

Abstract # 19304

Shelter preferences of horses during summer

E. Hartmann¹, R. Hopkins², K. Dahlborn¹

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Abstract # 19322

Behavioural differences in Italian Heavy Draught Horse foals fed different protein levels

C. Sartori¹, N. Guzzo^{1,2}, S. Normando², L. Bailoni², R. Mantovani¹

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Abstract # 19353

Slow feeding systems for horses: Does a net placed over the forage reduce the feed intake?

G. Gerster, A. Zollinger, C. Wyss, B. Strickler, I. Bachmann

Agroscope - Swiss National Stud Farm, Les Longs Prés 191, 1580 Avenches, Switzerland;

gabriela.gerster@agroscope.admin.ch

Abstract # 18694

Horse meat composition and properties from adult horses slaughtered in Lithuania

R. Sveistiene, V. Razmaite

Lithuanian University of Health Sciences, Institute of Animal Science , R.Zebenkos 12, Baisogala, LT-82317, Lithuania; ruta@lgi.lt

Abstract # 18977

Effect of storage time on the acceptability of foal meat

M.V. Sarries¹, M.J. Beriain¹, K. Insausti¹, J.A. Mendizabal¹, M. Ruiz¹, E. Valderrama¹, A. Perez De Muniain², A. Purroy¹

¹ETSIA, DEPARTAMENTO PRODUCCION AGRARIA, CAMPUS ARROSADIA S/N, EDIF. LOS OLIVOS, UNIVERSIDAD PUBLICA DE NAVARRA, 31006, PAMPLONA, Spain, ²ASCANA, c/ Ainziburu S/N, 31170, IZA, Spain; vsarries@unavarra.es

S32 - Discovery session: The horse as key player of local development: looking to the future in the 3rd millennium

Wednesday, Ago 27th , 14:00 - 18:00

Chairpersons: Nicoletta Miraglia (I) and Anna-Lena Holgersson (SWE)

Theatre presentations

1. Abstract # 19410

The horse as key player of rural development in Europe

N. Miraglia

Molise University, Agriculture, Environment, Feed Sciences, Via De Sanctis, 86100 Campobasso, Italy; miraglia@unimol.it

2. Abstract # 19495

New formations and understandings of horse and society in the Nordic countries

R. Evans

Høgskulen for landbruk og bygdeutvikling, 213 Postvegen, 4353, Klepp Stasjon, Rogaland, Norway; rhys@hbl.no

3. Abstract # 19442

The equine power in Mediterranean countries: is there a place for it?

A.S. Santos^{1,2}, M.J. Fradinho³, I. Cervantes⁴, N. Miraglia⁵

¹CECAV-UTAD, Vila Real, 5001.901, Portugal, ²EUVG, Lordemão, Coimbra, Portugal, ³CIISA-FMV, ULisboa, Lisboa, Portugal, ⁴UCM, Dep. Animal Production, Madrid, Spain, ⁵Molise University, Dep. Agriculture, Environment and Feed Sciences, Campobasso, Italy; assantos@utad.pt

4. Abstract # 19543

The horse as a key player of local development in the United States in the 3rd millennium

C.J. Stowe

University of Kentucky, Agricultural Economics, 307 C. E. Barnhart, Lexington, KY 40546, USA; jill.stowe@uky.edu

5. Abstract # 19395

The horse as key player of local development in Brazil: from past to future.

A.A.O. Gobesso

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6. Abstract # 18765

Role of the horse industry in the regional development in France

G. Bigot¹, X. Dornier², E. Perret¹, C. Vial³, N. Turpin¹

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7. Abstract # 19319

New strategies in genetic evaluations and tools to preserve the diversity in horse breeds. A review.

I. Cervantes

Departamento de Producción Animal, Universidad Complutense de Madrid, 28040 Madrid, Spain;

icervantes@vet.ucm.es

8. Abstract # 19003

Mare's milk in cosmetics - preliminary tests

D. Gavrič¹, M. Kovačič¹, M. Pliberšek¹, P. Keršmanc¹, K. Žmitek^{1,2}, K. Potočnik³

¹Higher School of Applied Sciences, Department of cosmetics and Institute of cosmetics, Gerbičeva 51a, 1000 Ljubljana, Slovenia, ²Nutrition Institute, , Ljubljana, Tržaška 40, 1000 Ljubljana, Slovenia, ³University of Ljubljana, Biotechnical Faculty, Department of Animal Sciences, Groblje 3, 1230 Domžale, Slovenia; Klemen.Potocnik@bf.uni-lj.si

9. Abstract # 18988

A new promising approach for donkey (*Equus asinus*) sperm freezing

P. Milon¹, I. Couty¹, F. Mea², A. Garot², Y. Gaude¹, F. Reigner¹, M. Magistrini¹

¹Institut National de la Recherche Agronomique, UMR Physiologie de la Reproduction et des Comportements, 37380 Nouzilly, France, ²Institut Français du Cheval et de l'Équitation, Haras National de Blois, 41043 Blois cedex, France; Pierre.Milon@tours.inra.fr

Discussion and round table will follow

S46 - Horse genetics free communications

Thursday, Ago 28th , 08:30 - 11:30

Chair: Isabel Cervantes (Spain)

Theatre presentations

1. Abstract # 19409

Joint Nordic genetic evaluation of sport horses increase accuracies of breeding values for stallions

S. Furre¹, Å. Viklund², J. Philipsson², B. Heringstad¹, O. Vangen¹

¹Norwegian University of Life Sciences, Department of Animal and Aquacultural Sciences, P.O. Box 5003, N-1432, Ås, Norway, ²Swedish University of Agricultural Sciences, Animal Breeding and Genetics, P.O. Box 7023, SE-75007 Uppsala, Sweden, Sweden; siri.furre@nmbu.no

2. Abstract # 19352

Genetic parameters for eventing in Irish Sport Horses

K.M. Quinn-Brady, D. Harty, A. Corbally

Horse Sport Ireland, Beech House, Millennium Park, Osberstown, Naas, Co. Kildare, Ireland; kbrady@horsesportireland.ie

3. Abstract # 19008

Estimation of breeding values and genetic changes of Posavje horse in Slovenia

B. Bračič, K. Potočnik

University of Ljubljana, Biotechnical Faculty, Department of Animal Science, Groblje 3, 1230 Domžale, Slovenia; Klemen.Potocnik@bf.uni-lj.si

4. Abstract # 19344

Genetics of lifetime reproductive performance in Italian Heavy Draught Horse mares

R. Mantovani¹, F. Folla¹, G. Pigozzi²

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5. Abstract # 18963

Systematization of recording and use of equine health data and its potential for horse breeding

K.F. Stock¹, S. Sarnowski¹, E. Kalm², R. Reents¹

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6. Abstract # 19100

SNPs associated with osteochondrosis in horses on different stage of training

D. Lewczuk¹, M. Hecold², A. Ruś³, M. Frąszczak⁴, A. Bereznowski², A. Korwin-Kossakowska¹, S. Kamiński³, J. Szyda⁴

¹IGAB PAS Jastrzębiec, ul.Postępu 36A, 05-552 Magdalenka, Poland, ²Warsaw University of Live Sciences-SGGW, ul.Nowoursynowska 166, 02-787 Warszawa, Poland, ³University of Warmia and Mazury Olsztyn, ul.M.Oczapowskiego 2, 11-041 Olsztyn, Poland, ⁴Wrocław University of Environmental and Live Sciences, ul.C.K.Norwida 25, 50-375 Wrocław, Poland; d.lewczuk@ighz.pl

7. Abstract # 18567

Morphological characterization in Ayvacik Pony: a nearly extinct horse breed in Turkey

O. Yilmaz¹, M. Ertugrul²

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8. Abstract # 19136

Tools to better manage the genetic variability of French breeds

S. Danvy¹, M. Sabbagh¹, C. Blouin², A. Ricard²

¹IFCE, Recherche et Innovation, 61310 Exmes, France, ²INRA, UMR1313, 78352 Jouy-en-Josas, France; sophie.danvy@ifce.fr

9. Abstract # 18990

France commits in the preservation of its horses and donkeys genetic resources

M. Magistrini¹, P. Milon¹, M. Caillaud², M. Sabbagh³, F. Mea⁴, S. Danvy³

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Posters

Abstract # 19408

Morphometric evaluation of Arabian horses in Algeria: proposal of equation for body weight estimate

S. Tennah^{1,2}, N. Antoine-Moussiaux^{1,3}, N. Kafidi², D.D. Luc⁴, N. Moula^{1,3}, C. Michaux¹, P. Leroy^{1,3}, F. Farnir¹

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Abstract # 18807

Relationship between linear conformation traits and Dressage performance scores in Pura Raza Español

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Abstract # 18783

The use of Thurstonian models in genetic evaluations of ranking in endurance races

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Abstract # 19099

A genome wide association study applied in sport horses

E. D'agaro, F. Costa

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Abstract # 18727

Genetic diversity of Slovak Sport Pony based on genealogical information

O. Kadlečík, R. Kasarda

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Abstract # 18872

Pedigree analysis of Old Kladruber horse

H. Vostra-Vydrova^{1,2}, L. Vostry^{1,2}, B. Hofmanova², I. Majzlik²

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Abstract # 19007

Population study of three breeds of cold blooded horses in the Czech Republic

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