



HAL
open science

Panel discussion 2: user needs and applications

Marie-Hélène Pinard-van Der Laan, Jaap J. van Milgen

► **To cite this version:**

Marie-Hélène Pinard-van Der Laan, Jaap J. van Milgen. Panel discussion 2: user needs and applications. 69. Annual Meeting of the European Federation of Animal Science (EAAP), Aug 2018, Dubrovnik, Croatia. hal-02734982

HAL Id: hal-02734982

<https://hal.inrae.fr/hal-02734982>

Submitted on 2 Jun 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Experiences in estimation of metafounders ancestral relationships of dairy sheep 616
A. Legarra and J.M. Astruc

Session 67. Multidisciplinary approaches for improving sustainable livestock production: user application needs

Date: Thursday 30 August 2018; 14.00 – 18.00

Chair: M.H. Pinard-Van Der Laan / J. Van Milgen

Theatre Session 67

invited Innovations for sustainable animal nutrition 616
L.A. Den Hartog and F. Brinke

invited Expectations of breeding industry from research projects 617
J.A.M. Van Arendonk

invited The importance of research for developing standards to control animal diseases: the role of the OIE 617
S. Messori and E. Erlacher-Vindel

Effects of protein restriction on rumen metagenome and metabolic profile in Holstein calves 618
S. Costa, J. Balcells, G. De La Fuente, J. Mora, J. Álvarez-Rodríguez and D. Villalba

Genetic and environmental influence on colostrum quality and absorption in Swedish dairy cattle 618
J.M. Cordero-Solorzano, J.J. Wensman, M. Tråvén, A. Larsson, T. De Haan and D.J. De Koning

A systems genetics approach reveals potential regulators of feed efficiency in pigs 619
Y. Ramayo-Caldas, M. Ballester, J.P. Sánchez, R. González-Prendes, M. Amills and R. Quintanilla

The PEGaSUS project: phosphorus efficiency in *Gallus gallus* and *Sus scrofa* 619
C. Gerlinger, M. Oster, H. Reyer, E. Magowan, E. Ball, D. Fornara, H.D. Poulsen, K.U. Sørensen, A. Rosemarin, K. Andersson, D. Ddiba, P. Sckokai, L. Arata, P. Wolf and K. Wimmers

Why farmers adopt environmental practices: the case of French dairy farms 620
T.T.S. Siqueira, D. Galliano and G. Nguyen

Panel discussion 2: user needs and applications 620
M.H. Pinard-Van Der Laan and J. Van Milgen

Poster Session 67

Polyphenols and IUGR pregnancies: maternal hydroxytyrosol supplementation and foetal development 621
C. Garcia-Contreras, M. Vazquez-Gomez, L. Torres-Rovira, J.L. Pesantez, P. Gonzalez-Añover, S. Astiz, B. Isabel, C. Ovilo and A. Gonzalez-Bulnes

The effect of fertilization on qualitative and *in vitro* fermentation parameters of C3 grasses 621
C.J.L. Du Toit, W.A. Van Niekerk, H.H. Meissner, L.J. Erasmus and L. Morey

Semen and sperm quality parameters of potchefstroom koekoek roosters fed dietary Moringa oleifera 622
N.A. Sebola

Growth performance and slaughter traits of Baladi and Shami-Baladi kids raised in Summer in Jordan 622
M.D. Obeidat and B.S. Obeidat

Genotype × feed interactions for Piétrain sires 623
S. Palmans, S. Janssens, J. Van Meensel, N. Buys and S. Millet

Effects of zeolite CPL in-feed supplementation on blood indicators of energy metabolism in cows <i>R. Turk, D. Điričić, S. Vince, Z. Flegar-Meštrić, S. Perkov, B. Beer-Ljubić, D. Gračner and M. Samardžija</i>	623
Form of organization and environmental externalities: the case of Brazilian dairy farms <i>T.T.S. Siqueira, D. Galliano and G. Nguyen</i>	624
<i>In vitro</i> screening of the anthelmintic effects of by-products from the chestnut industry <i>J. Dahal, S. Ketavong, E. Pardo, E. Barbier, M. Gay, H. Jean, V. Niderkorn and H. Hoste</i>	624

Session 68. Free communications in cattle

Date: Thursday 30 August 2018; 14.00 – 18.00

Chair: Y. Montanholi

Theatre Session 68

Genomic predictability of single-step GBLUP for production traits in US Holstein <i>Y. Masuda, I. Misztal, P.M. Vanraden and T.J. Lawlor</i>	625
Identification genomic regions associated with characters correlated with fertilizing capacity bulls <i>G. Molina, M.J. Carabaño, S. Karoui and C. Díaz</i>	625
Deriving dimensionality of genomic information from limited SNP information <i>I. Pocrnić, D.A.L. Lourenco and I. Misztal</i>	626
Genetic parameters of colostrum qualitative traits in Holstein dairy cows in Greece <i>A. Soufleri, G. Banos, N. Panousis, D. Fletouris, G. Arsenos and G.E. Valergakis</i>	626
Searching for protein biomarkers related to pre-slaughter stress using liquid isoelectric focusing <i>C. Fuente-García, N. Aldai, E. Sentandreu, M. Oliván, F. Díaz and M.A. Sentandreu</i>	627
Differential protein expression in Nellore cattle divergent for meat tenderness <i>L.F.S. Fonseca, A.F.B. Magalhães, L.A.L. Chardulo, R. Carvalheiro and L.G. Albuquerque</i>	627
Introduction of a software program developed as an automation system for slaughter houses <i>Y. Bozkurt, T. Aydogan, C.G. Tuzun and C. Dogan</i>	628

Session 69. Nutritional and feeding strategies to face consequences of climate change

Date: Thursday 30 August 2018; 14.00 – 18.00

Chair: G. Bruggeman

Theatre Session 69

Effect of fermented whole-crop cereals with or without supplementing inoculant in finishing pigs <i>C.H. Lee, M.H. Song, W. Yun, J.H. Lee, W.G. Kwak, H.J. Oh, S.Y. Oh, S.D. Liu, H.B. Kim and J.H. Cho</i>	628
Effects of restricted feeding with fermented whole-crop barley and wheat in finishing pigs <i>J.S. An, H.B. Kim, W. Yun, J.H. Lee, W.G. Kwak, H.J. Oh, S.D. Liu, C.H. Lee, T.H. Song, T.I. Park, M.H. Song and J.H. Cho</i>	629
Responses of Boer goats to saline drinking water <i>R.A. Runa, L. Brinkmann, A. Riek and M. Gerken</i>	629

Why farmers adopt environmental practices: the case of French dairy farms*T.T.S. Siqueira^{1,2}, D. Galliano¹ and G. Nguyen¹**¹Institut National de la Recherche Agronomique, 75 Voie du TOEC, 31400, France, ²Université de Toulouse, Ecole d'Ingénieurs de PURPAN, 75 Voie du TOEC, 31400, France; tiago.siqueira@purpan.fr*

The adoption of environmental practices is an important issue for livestock production. This study explores the main drivers of the adoption of nine environmental practices in the case of French dairy farms. We first tested the role of internal farm factors related to its structure and governance, followed by the role of external factors related with spatial, regulatory and market features. We used data of 47,562 dairy farms from the 2010 French Agricultural Census to study the correlation between internal and external factors and each one of the nine environmental practices. The results show that among governance and managerial characteristics, attitudes towards uncertainties play a more important role than individual characteristics of the farmer (e.g. age, gender, or training). The results also suggest that farm size has a negative effect on the adoption of permanent grassland, leguminous for forage, no irrigation, crop rotation and no fertilisers and no pesticides practices. However, farm size has a positive effect on the adoption of no-till, manure treatment and agroecological structures as hedges, lines of trees, woods, and fallow lands. In terms of external factors, the paper shows the central role of the spatial environment of the farm and, more specifically, the environmental behaviour of neighbouring farms as a major driver of farm adoption behaviour. The statistical analysis also highlights the strong correlation of positioning on alternative markets, short circuits, organic products, or quality markets on the adoption of these practices. Finally, as the literature suggests, we show that environmental regulations also drive the adoption of farming environmental practices.

Session 67**Theatre 9****Panel discussion 2: user needs and applications***M.H. Pinard-Van Der Laan¹ and J. Van Milgen²**¹INRA, UMR GABI, Domaine de Vilvert, 78530 Jouy-en-Josas, France, ²INRA-Agrocampus Ouest, UMR Pegase, Le Clos, 35042 Rennes, France; marie-helene.pinard-van-der-laan@inra.fr*

Panel discussion and interaction with participants on the needs of stakeholders with respect to the complexity (and thus the multidisciplinary) of livestock production and animal-derived products and the way research can respond to these needs.