



**THE GLOBAL STANDARD
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Event Programme

The ICAR Conference is an important forum to exchange experiences and to help to improve the systems needed for animal recording.

SUNDAY 11 JUNE 2017

MORNING	
08:30-12:30	ICAR Board meeting
12:30 – 13:30	Lunch for ICAR Board and Chairpersons
AFTERNOON	
13:30-17:30	ICAR Board and Chairpersons meeting
EVENING	
19:00-23:00	ICAR Board and Secretariat, SC and WG Chairpersons dinner (Invitation only)

MONDAY 12 JUNE 2017

All meetings are closed.

MORNING	
08:30-12:30	Training workshops for ICAR Auditors
08:30-12:30	Functional Traits working group meeting
12:30-13:30	Lunch for ICAR Board and working group members
AFTERNOON	
13:30-18:00	Forum for ICAR Auditors
13:30-17:30	Interbeef Technical group meeting
13:30-18:00	Functional Traits working group meeting
13:30-18:00	Recording and Sampling Devices working group meeting
13:30-14:45	Sheep, Goat and Camelid conference session
14:45-18:00	Sheep, Goat and Camelid working group meeting.

TUESDAY 13 JUNE 2017

All meetings are closed.

MORNING	
08:30-12:30	Joint workshops for ICAR – INTERBEEF members
09:00-13:00	Dairy Cattle Milk Recording working group meeting

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09:00-13:00	Conformation Recording working group meeting
09:00-13:00	Recording Sampling Devices working group meeting
09:00-13:00	Animal Identification sub-committee meeting
09:00-13:00	Global Reach working group meeting
09:00-13:00	Artificial Insemination and RT working group
09:00-13:00	Functional Traits working group meeting
12:30 – 14:00	Lunch for ICAR Board and working group members
AFTERNOON	
13:30-17:30	INTERBEEF working group meeting
14:00-18:00	Joint GDMI and Feed and Gas working group meeting
14:00-18:00	DNA working group meeting
14:00-18:00	Animal Data Exchange working group meeting (by invitation)
14:00-18:00	Animal Identification sub-committee meeting
14:30-17:00	Sensor Devices Task-force meeting
14:00-18:00	Functional Traits working group meeting continued
16:00-18:00	Milk Analyses sub-committee meeting

WEDNESDAY 14 JUNE 2017

All conference sessions are held in the Lomond Suite on Level 0.

MORNING	
08:30 – 09:30	ICAR General Assembly
09:30 – 10:30	Local host welcome session
	<i>Gwyn Jones, Chairman AHDB Dairy</i>
	<i>Professor Wayne Powell, Principal and Chief Executive of SRUC</i>
	Gene editing farmed livestock Chris Proudfoot
10:30 – 11:00	Coffee break & exhibition (Cromdale Hall)
Plenary 1	Legal Implications of data provision services <i>Chaired by: Brian Wickham</i>
11:00 – 11:15	Data protection aspects by merging cattle data of various origins <i>R. Knyrim, E. Dolamic, M. Mayerhofer, M. Koblmüller, J. Perner, R. Janacek, G. Schoder, F. Gstöttinger, R. Weissensteiner, B. Fürst-Waltl, M. Schagerl, H. Eder, C. Egger-Danner</i>
11:15 – 11:30	A computerized consent management tool for breeders: why, how? <i>B. Balvay, L. Journaux</i>
11:30 – 11:45	A central database for the Australian Dairy Industry S. Jenkins, T. Francis
11:45 – 12:00	Smart Dairy Farming 3.0: multiplying innovations on the farmyard. B. van 't Land, G. Smeenk, H. Lucas, A. Lamers
12:00 – 13:30	Networking lunch & exhibition (Cromdale Hall)
AFTERNOON	
Session 1	Robots, Sensors and ICAR <i>Chaired by: Dave Ross</i>

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13:30 – 13:45	Automating the dairy farmer? Understanding the barriers to uptake and use of precision technology in dairy systems. D. A. McConnell
13:45 – 14:00	Use of daily robotic progesterone data for improving fertility traits in Finnish Ayrshire. J. Häggman, J.M. Christensen, J. Juga
14:00 – 14:15	Collecting milking speed data as part of official milk recording. R.H. Fourdraine, H.A. Adams, A.D. Coburn
14:15 – 14:30	Objective carcass measurement to improve lean meat yield and eating quality in Australian Beef, Sheep and Pork. D.J. Brown, D.W. Pethick, P. McGilchrist, C.K. Ruberg, W.S Pitchford, R. Apps, G.E. Gardner
14:30 – 14:45	Towards a robust protocol for enteric methane measurements using a hand held Laser Methane Detector in ruminants. <i>Thiphaine Bruder, Benoit Rouille, Tianhai Yan, Mizeck G.G. Chagunda</i>
14:45 – 15:00	Sharing data through an API platform – API AGRO. Erik Rehben, Béatrice Balvay, Theo Paul Haezebrouck
15:00 – 16:00	Coffee break & exhibition (Cromdale Hall)
	Manufacturers' showcase and carry-over effects <i>Chaired by: Steven Sievert</i>
16:00 – 16:15	Milk sample carry over in the field – identifying and resolving the challenges J. Frankfort
16:15 – 16:30	Practical considerations to reduce carry-over in design of recording and sampling devices J. Baines
16:30 – 16:45	The new CombiFoss™ 7 DC – Differential somatic cell count and other advancements in milk testing D. Schwarz
16:45 – 17:00	Employing high resolution big data for predictive modelling in precision dairy farming G. Katz
17:00 – 17:15	Evaluation of a new qPCR test to specify reasons for total bacterial count in bulk tank milk <i>S. Sigurdsson, L.T. Olesen, A. Pedersen, J. Katholm</i>
17:15 – 17:30	Update from IDEXX: Assessing the impact of carry-over in routine DHI milk samples when offering additional testing services (Pregnancy, Johne's, Mastitis etc.) through DHI laboratories H. Pearse
17:30-17:45	Update from Bentley Instruments: Latest innovations for the monitoring of milk hygienic quality, methods automation and standardization P. Broutin
17:45-18:00	Practical applications of fatty acid data for the improvement of dairy cattle production and prevention of health issues in transition cows W. Beukema, D. Barbano, R. Gant, H. M. Dann
EVENING	
19:00 – 22:00	Opening reception at Edinburgh Castle

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THURSDAY 15 JUNE 2017

All conference sessions are held in the Lomond Suite on Level 0

MORNING	
Plenary 2	The future of ICAR under alternative phenotyping strategies <i>Chaired by: Mike Coffey</i>
08:30 – 08:45	Delivering value-added services to a diverse customer base A. D. Coburn
08:45 – 09:00	Agrimetrics Data Platform; Harnessing and merging big data D. Flanders, M. Coffey
09:00 – 10:00	Debate with audience participation on Plenary 2 topic <i>Chaired by: Mike Coffey</i>
10:00 – 10:30	Coffee break & exhibition (Cromdale Hall)
Session 3	Integrating data to provide added value services – topping up from other data sources <i>Chaired by: Eileen Wall</i>
10:30 – 10:45	Predict, Prescribe, Perform: integrating traditional and new data sources to enable Smart Herd Management S. van der Beek, H.M. Knijn, D. Zouari
10:45 – 11:00	The DataGene Herd Test Dashboard T. Francis, M. Humphris, R. Morris, T. Sargent, R. Shephard
11:00 – 11:15	Genetic evaluation for claw health traits as part of the integrated system for health monitoring in German Holstein dairy cattle K. F. Stock, H. H. Swalve, R. Schafberg, V. Müller-Rätz, F. Reinhardt
11:15 – 11:30	Update from GenoEx B. van Doormaal
11:30 – 11:45	Cow Own Worth – synergising data to provide a new tool to aid in culling decisions in seasonal dairy herds M.M. Kelleher, D.P. Berry, P.R. Amer, A. Cromie, R. Evans
11:45 – 12:00	Association between milk fatty acids in early lactation and subsequent reproductive performance of modern high-yielding dairy cows S. Jorjong, G. Opsomer, J. Chen, A. T. M. van Knegsel, B. Kemp, V. Fievez
12:00 – 13:30	Networking lunch & exhibition (Cromdale Hall)
AFTERNOON	
Session 4	Impact of genomic services on milk recording organisations <i>Chaired by: Brian van Doormaal</i>
13:30 – 13:45	Possible principles for breed association models in the genomics era, with reference to beef cattle and sheep breeds R. G. Banks
13:45 – 14:00	Data collection methods used in the Beef Data and Genomics Programme (BDGP) and the development of Restful API's for recording herd data C. Vigors
14:00 – 14:15	A Star Tech, The Final Front-MIR: Estimated breeding values for mid-infrared derived predictions of energy traits in dairy cows. S. Smith, V. Hicks, M. Coffey, M. Winters, E Wall

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14:15 – 14:30	Implementation of genomic selection in small populations – Croatian case <i>Z. Ivkić, M. Dražić, Z. Barać, M. Špehar</i>
14:30 – 14:45	Designing a reference population to accelerate genetic gains for novel traits in Canadian Holstein. <i>F. Miglior, L. Brito, P. Martin, J. Jamrozik, F. S. Schenke², A. Canovas, X. Zhao, C. F. Baes</i>
14:45 – 15:00	INTERBEEF Update <i>A. Cromie</i>
15:00 – 15:30	Coffee break & exhibition (Cromdale Hall)
Session 5	Methods to gather new phenotypes <i>Chaired by: Roel Veerkamp</i>
15:30 – 15:45	Prediction of energy status of dairy cows using MIR milk spectra <i>C. Grelet, A. Vanlierde, M. Salavati, Hostens, L. Foldager, F. Dehareng, GplusE Consortium</i>
15:45 – 16:00	Body weight prediction and genetic parameter estimation based on type traits in Italian Holstein cows <i>R. Finocchiaro, J. B.C.H.M. van Kaam, M. Marusi, M. Cassandro</i>
16:00 – 16:15	Lactose in milk – How can lactose concentration data be beneficial in management and breeding? <i>P. Løvendahl, M. Riis Weisbjerg</i>
16:15 – 16:30	Individual methane prediction from milk MIR spectra, across multiple breeds, lactation stages, parities and country-specific dairy farming systems <i>A. Vanlierde, N. Gengler, H. Soyeurt, C. Martin, E. Lewis, F. Grandl, M. Kreuzer, B. Kuhla, P. Lund, C. Ferris, C. Bertozzi, F. Dehareng</i>
16:30 – 16:45	Targeted combination of estimated breeding values for lower accuracy mid-infrared biomarkers increases their usefulness in genetic evaluation of dairy cattle <i>N. Gengler, GplusE Consortium</i>
16:45 – 17:00	Genetic analyses of ketosis and a newly developed risk indicator in Fleckvieh, Braunvieh and German Holstein. <i>H. Hamann, A. Werner, L. Dale, P. Herold</i>
17:00 – 17:15	Collection and Use of New Phenotypes in Germany <i>T. Hauck</i>
17:15 – 17:30	Effectiveness of mid infrared spectroscopy to predict milk phosphorus content <i>M. Gelé, L. Brun-Lafleur, A. Boudon, P. Gaignon, T. Le Mouël, C. Hurtaud</i>
17:30 – 18:00	Conclusions and next steps in ICAR <i>M. Burke</i>
EVENING	
19:00-00:00	Gala dinner at Mansfield Traquair (ticketed event)



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FRIDAY 16 JUNE 2017 – TECHNICAL TOURS

TOUR 1

Tour 1 is sponsored by FOSS and will include a tour of the milk Laboratories of National Milk Records (NMR) in Glasgow. NMR will give an update on today's ever-changing quality control landscape with a focus on developments in QC standards. This will be followed up with an overview of developments with analytical technology and the positive implications for dairy herd improvement testing.

Time	Activity
9:00	Leave Edinburgh
10:15 – 10:45	Coffee break at The Innovation Centre, Glasgow
10:45 – 12:15	Presentation from NMR/FOSS
12:15 – 12:45	Lunch at The Innovation Centre
12:45 – 14:30	Tour around Laboratories
16:00 – 17:00	Sightseeing at The Kelpies
17:45	Arrive back in Edinburgh

TOUR 2

Tour 2 will include a visit to a 170 cow milking pedigree Holstein herd in Fife, with a member of the herd representing the UK at last year's European Holstein Show. The herd recently invested in new buildings and milking robots. The tour will also visit a cross-breeding autumn calving grazing herd of 160 head which forms part of a family business running 400 cows plus followers on two dairy units covering 450 acres near Lanark. The herd owner also completed a Nuffield Scholarship focussing on the key attributes of enterprising rural businesses.

Time	Activity
9:30	Leave Edinburgh
10:45- 12:30	Nether Affleck Farm tour
12:30 – 13:00	Lunch
14:15 – 15:00	Sightseeing at The Kelpies
15:40 – 17:00	Parkend Farm tour
17:45	Arrive back in Edinburgh

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TOUR 3

Tour 3 will include the SRUC's Beef feed efficiency unit at Easter Bush and a visit to a Texel farm in Lanarkshire. This flock has been recording since the 1980s and has been exporting live animals to continental Europe as well as semen to continental Europe, Brazil and New Zealand. In addition, the farm has a herd of 60 Suckler cows.

Time	Activity
9:30	Leave Edinburgh
10:00 – 11:30	Easter Bush tour
12:15 – 13:00	Lunch with tea & coffee at Laird farm
13:00 – 14:30	Laird farm tour
15:45 -17:00	Sightseeing at The Kelpies
17:45	Arrive back in Edinburgh

All three tours will incorporate an afternoon stop to the Scottish tourist attraction, The Kelpies. The Kelpies are a set of horse-head sculptures measuring 30 metres high, the largest equine sculptures in the world. These impressive structures stand next to a new extension to the Forth and Clyde canal and near the river Carron in the Helix, a new parkland project built to connect 16 communities in the Falkirk area of Scotland.

If you have already booked a conference ticket and would like to book a technical tour ticket, please email icar2017@ahdb.org.uk.

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