

ICAR 2019

Preliminary Congress Programme

Monday 17.6.2019

Close sessions. Anyone outside the invited groups interested in attending should inform the respective working group chairperson.

8:30-10:30	WGs, SCs, TF Animal Identification Sub-Committee Global Reach Working Group Recording and Sampling Devices DNA WG	South Boardroom 1 South Boardroom 2 Club B Club C
10:30-11:00	Coffee Break	
11:00-13:00	WGs, SCs, TF Animal Identification Sub-Committee Global Reach Working Group Recording and Sampling Devices DNA WG	South Boardroom 1 South Boardroom 2 Club B Club C
13:00-14:00	Lunch	
14:00-15:30	WGs, SCs, TF Animal Identification Sub-Committee Interbeef TC Recording and Sampling Devices DNA WG ICAR CoQ Expert Advisory Group	South Boardroom 1 Club A Club B Club C Club E
15:30-16:00	Coffee Break	
16:00-18:00	WGs, SCs, TF Animal Identification Sub-Committee Interbeef TC Recording and Sampling Devices DNA WG ICAR CoQ Expert Advisory Group	South Boardroom 1 Club A Club B Club C Club E

Tuesday 18.6.2019

Close sessions. Anyone outside the invited groups interested in attending should inform the respective working group chairperson

8:30-10:30	WGs, SCs, TF Dairy Cattle Milk Recording Working Group Conformation Recording Working Group	South Boardroom 1 South Boardroom 2
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Sheep, Goats and Small Camelids
 Animal Identification Sub-Committee
 Sensor Devices Task Force (*for invited participants only*)
 Artificial Insemination & RT

Club A
Club B
Club E
Club D

10:30-11:00 Coffee Break

11:00-13:00 WGs, SCs, TF

Dairy Cattle Milk Recording Working Group
 Conformation Recording Working Group
 Sheep, Goats and Small Camelids
 Animal Identification Sub-Committee
 Sensor Devices Task Force (*open meeting*)
 Artificial Insemination & RT

South Boardroom 1
South Boardroom 2
Club A
Club B
Club E
Club D

13:00-14:00 Lunch

14:00-15:30 WGs, SCs, TF

Animal Data Exchange Working Group
 Feed and Gas WG
 Milk Analyses Sub Committee
 Functional Traits Working Group
 Interbeef WG

South Boardroom 1
Club A
Club B
Club C
Club E

Technical Session 1 PART I	New Traits & Developments in Beef Cattle Breeding Chairpersons: Andrew Cromie and Eric Venot
Oral presentation within the Interbeef Working Group	Data collection through IT-intensive phenotyping in the Hungarian Grey Cattle Ákos Maróti-Agóts
Oral presentation within the Interbeef Working Group	SmartCow: a project aimed at improving phenotyping capacity across cattle research infrastructures in Europe René Baumont
Oral presentation within the Interbeef Working Group	Livestock Genetic and Pedigree Development in Georgia Kakha Nadiradze
Oral presentation within the Interbeef Working Group	Developing a low cost DIY weight recording model for beef cows and calves in Ireland Niall Naughton

Breed Associations Working Group

Room 225

15:30-16:00 Coffee Break

16:00-18:00 WGs, SCs, TF

Animal Data Exchange Working Group
 Feed and Gas WG
 Milk Analyses Sub Committee
 Functional Traits Working Group
 Interbeef WG
 Breed Associations Working Group

South Boardroom 1
Club A
Club B
Club C
Club E
Room 225

8:30-12:30	Interbeef Workshop “Making ICAR and Interbeef more attractive for New Members” <i>This is an Open Workshop for people interested in Interbeef activities.</i>
8:30-10:30	1) Short general presentation of ICAR and Interbeef process and interest a. ICAR/Interbeef “community” – Jay Mattison (ICAR President) & Andrew Cromie (Interbeef WG Chairman). b. Interbeef Technical Committee - Eric Venot (Interbeef TG Chairman). c. Interbeef Activities & the Interbull Centre – Toine Roozen (Interbull Centre Director). 2) Feedback of experience from countries already participating to Interbeef. 3) Expectations from potential new countries not yet involved in Interbeef. Conclusion of the first part as input to Second Part of the workshop: ▪ What has already been achieved? ▪ What needs to be still undertaken, especially in relation to participation from new countries?
10:30-11:00	Coffee Break
11:00 – 12:30	Group discussion on “How should we proceed to develop Beef collaboration and Interbeef extension in terms of country and/or traits?”

12:30-14:00 Lunch

14:00-16:00	Milk Recording Workshop How to keep AMS customers happy? Four presentations, 15 minutes each. a) Denmark, Jonas Persson b) France, David Saunier c) Switzerland, Eric Barras d) Norway, Tone Roalkvam Presentation: - cow number, herd size, some geography - who takes samples, are they from one or several milkings, share of robotic milking? - how are you servicing AMS customers now? - what are their main complaints? - any future plans for improvement? Group discussion (15 minutes in groups, 15 minutes conclusion): What steps can we propose to improve services for AMS customers? Whose milk is in the vial? Three presentations, 15 minutes each. a) Poland, Danuta Radzio b) Canada, Richard Cantin c) Sweden, Nils-Erik Larsson Presentation: - cow number, herd size, some geography - who takes samples, are they from one or several milkings, share of robotic milking?
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- how has the cow-vial link been secured in your organisation? Cow and sample ID?
- what are the main issues with cow-vial link?
- any future plans for improvement?

Group discussion (15 minutes in groups, 15 minutes conclusion):

What ways can we propose to secure the cow-vial link?

How complex is it to calculate daily yields?

Two presentations, 15 minutes each.

a) USA, Angie Coburn

b) Italy, Mauro Fioretti

Presentation:

- cow number, herd size, some geography
- who takes samples, are they from one or several milkings, share of robotic milking?
- what methods to calculate daily yields (milk, fat, protein) are used in your organisation?
- what are the main issues with the methods used?
- any future plans for improvement?

Group discussion (15 minutes in groups, 15 minutes conclusion):

What ways can we propose to arrive at better 24-hour yield estimates?

Wednesday 19.6.2019

Hall Panorama

8:30-10:00	General Assembly Chairperson: Jay Mattison
10:00-10:30	Welcoming Speeches

10:30-11:00 **Coffee Break**

11:00-13:00	Plenary Session Chairpersons: Josef Kučera and Martin Burke
11:00-11:30	Breeding Perspectives from the Czech Republic Josef Kučera
11:30-12:00	Impact of Genomic Selection on Organisational Structures in Milk Recording and Breeding Reinhard Reents
12:00-12:30	Breeding for improved feed efficiency and reduced enteric methane of dairy cattle Yvette de Haas
12:30-13:00	Internet of Cows – Opportunities and Challenges for Improving Health, Welfare and Efficiency in Dairying C. Egger-Danner

13:00-14:00 **Lunch**

Hall Panorama

14:00-15:30	Technical Session 1 PART II New Traits & Developments in Beef Cattle Breeding Chairpersons: Andrew Cromie and Eric Venot
14:00-14:15	Innovative tools for phenotypic characterization and genetic improvement of meat quality in the Piemontese breed Simone Savoia
14:15-14:30	Nordic breeding values for beef breed sires used for crossbreeding with dairy dams Emma Carlen
14:30-14:45	A single-step, multiple-trait genomic evaluation model increases the accuracy for suckling performance in beef cows in France Alexis Michenet
14:45-15:00	Developments in Multi-Source Genetic Evaluations for Beef Cattle; A Breedplan Perspective Brad Crook
15:00-15:15	Interbeef international genetic evaluation for calving traits Zdeňka Veselá
15:15-15:30	Optimising Mate Selection; A Genetic Algorithm's Approach Diego N. Fontoura

15:30-16:00 **Coffee Break**

Hall Panorama

16:00-17:30	Technical Session 2 Integrating Sensor Devices within the ICAR Guidelines with a View to Launching Initial Guidelines Chairperson: Steven Sievert
16:00-16:25	Cow ID topics related to milking, milk recording and implementation of sensors Jonas Persson
16:25-16:50	Sensor device validation from a manufacturer point of view. Cecilia Bagenvik
16:50-16:10	Comparison of on-line measurements with conventional single-day herd tests Robert Orchard
17:10-17:25	Big Data analytics in the animal production domain Claudia Kamphuis
17:25-17:30	Time for final questions

17:30-17:40 **Break**

17:40-18:40	Manufacturers Showcase
	Chairpersons: Suzanne Harding and Kai Kuwan

from 20:00 **ICAR Welcome Reception**

Thursday 20.6.2019

North Hall

8:30-10:30	Technical Session 3 ICAR Animal Identification Services Session □ Chairperson: Jo Quigley
8:30-8:35	Session Introduction: 5 minutes (Session chair)

Theme 1: ICAR Animal Identification Services	
8:35-8:55	Presentation of ICAR's current animal identification services, including testing and certification services Andie Dimitriadou
8:55-9:10	Identification and Registration of Cattle in the Czech Republic Pavel Bucek
Theme 2: Alternate animal identification technologies	
9:10-9:30	A new standard for using official animal identification schemes (AIN) for bovine animals in RFID applications worldwide Carlos Machado
9:30-9:50	On field assessment of ultra-high frequency technology for sheep electronic identification Sebastien Duroy
9:50-10:05	Use of UHF (Ultra High Frequency) RFID technology in the data capture, traceability and monitoring interface in the official cattle animal identification program Jorge Gomes
10:05-10:20	Using GrazeGuide (virtual fencing) separation for grazing in production groups Pieter Hogewerf
10:20-10:30	Q&A and Session Wrap-Up: 10 minutes (Session Chair)

Hall Panorama

8:30-10:30	Technical Session 7 Challenges in Creating Additional Value from Milk Analysis Chairpersons: Silvia Orlandini and Jere High
8:30-8:50	Additional value of cell differentiation in the course of DHI testing Folkert Onken
8:50-9:10	Pregnancy testing in dairy cows using a PAG test in milk samples: Different thresholds for different stages of the pregnancy Jean Durocher
9:10-9:30	New quality assurance challenges with recent mid-infrared models Frédéric Dehareng
9:30-9:50	Implementation of a routine Fourier-transform infrared procedure for fatty acid analysis in milk Debora Santschi
9:50-10:10	Routine infrared phosphorous determination in ex-farm milk giving better insight in the phosphorous cycle on dairy farms Mikael Bastian
10:10-10:30	Question and Discussion

10:30-11:00 **Coffee Break**

North Hall

11:00-13:00	Technical Session 8 New developments in Sheep, Goat and Camelids within ICAR Chairperson: Jean Michel Astruc
11:00-11:20	Guidelines for meat and reproduction recording in small ruminants Joanne Conington
11:20-11:40	Current state of pheno and genomic resources in large camelids Pamela Burger
11:40-11:55	New developments on fiber recording in sheep, goat and camelids within ICAR Jean-Michel ASTRUC
12:05-12:20	Factors affecting wool quality of Jezersko-Solčava sheep in Slovenia Mojca Simčič
12:20-12:30	Life on the Edge of Earth (An Overview of Threatened Nomadic Culture of Changthang Ladakh) Feroz Sheikh

12:30-12:45	Camelmilk project Marta Garrón Gómez
12:45-13:00	Dairy sheep udder measurements and assessments in the Czech Republic Michal Milerski

Hall Panorama

11:00-13:00	Technical Session 4 Future Daily Yield Calculations for Cattle Chairperson: Pavel Bucek
11:00-11:20	Alternated milk recording - recalculation, results and conclusion for future test planning Kai Kuwan
11:20-11:40	24-hour yield calculations in the Finnish milk recording. Juho Kyntäjä
11:40-12:00	Analysis of the accuracy of C method for estimating 24-hour with alternated protocols Xavier Bourrigan
12:00-12:20	Global 24-Hour Calculation Trends in Automatic Milking Systems Pavel Bucek
12:20-12:40	Global 24-Hour Calculation Trends in Classical Milk Recording Systems Xavier Bourrigan
12:40-13:00	24h yield calculation methods in Polish recorded herds according to milk recording methods Danuta Radzio

13:00-14:00

Lunch

North Hall

14:00-15:30	Technical Session 5 Factors Influencing the Accuracy of Recording and Sampling Devices Chairperson: Clement Alain
14:00-14:20	Assessing the usefulness of fat content and milk yield data gained during ICAR farm tests of milk recording and sampling devices to estimate carry-over in milking systems Christian Ammon
14:20-14:40	Conditions of mechanical milk meters through in a Uruguay test platform. Dario Hirigoyen
14:40-15:00	Assurance of reliability and validation of yield values in milk recording according to immediately previous history of records Michal Basovnik
15:00-15:20	Creation of a functional spectral database – Can the calculation of a spectral Global H distance ensure the quality of international based MIR predictions? Lei Zhang
15:20-15:30	Relationships between conformation traits and milk yield, lifetime production and number of lactations in Czech Holstein cows Adéla Nosková <i>This paper is presented as part of a programme showcasing young students.</i>

Hall Panorama

14:00-15:30	Technical Session 9 Animal Data Exchange Standards: The Road to Implementation Chairpersons: Robert Foudraine and Bert van 't Land
14:00-14:45	Current status and adoption of the ICAR animal data exchange standards

	Robert Fourdraine Robert Fourdraine • Introduction • Survey results • Technical standards • Panel discussion with 5 experts
14:45-15:00	MULTIPASS: Managing the consents to access to farm data in a chain of trust to make new service to emerge for farmers Erik Rehben
15:00-15:15	Lightweight adapter – a solution to data transfer challenges from old FMS systems? Juho Kyntäjä
15:15-15:30	Practical example of 3 interfaces with independent process computers and 3 national interfaces on one farm in the UK Ir Harm-Jan van der Beek

15:30-16:00

Coffee Break

North Hall

16:00-18:00	Technical Session 10 Existing and Future Data Pipelines for Welfare and Resilience Chairpersons: Christa Egger-Danner, Roel Veerkamp
16:00-16:15	Invited Animal welfare: definition, measurement and use in the context of dairy herd improvement Elsa Vasseur
16:15-16:30	Invited Mapping the global use of welfare indicators for dairy cows Marie Haskell
16:30-16:45	Scoring animal welfare Bernhard Luntz
16:45-17:00	Supporting German dairy farmers: Establishing a monitoring system based on health key indicators extracted from existing control systems Sabrina Hachenberg
17:00-17:15	A remote assessment tool for farm animal welfare through dairy herd improvement data Daniel Warner
17:15-17:30	French Regional Genetic Collaborative Projects To Improve Welfare And Resilience Of Dairy Cows Hélène Leclerc
17:30-17:45	Investigations on the relationship of dry matter intake and energy balance to health in German dairy cattle using conventional and genomic breeding values Nina Krattenmacher

Hall Panorama

16:00-18:00	Technical Session 6 Where Will New Technologies Take Milk Recording? □ Chairpersons: Kees de Koning and Danuta Radzio
16:00-16:20	Large scale screening of the Danish dairy cattle population for their milk fatty acid profile Dino Holmquist
16:20-16:40	Opportunities and challenges of new technologies for performance recording with focus on claw health and metabolism Christa Egger-Danner
16:40-17:00	Testing cow rations with new data-mining software based on the NOA database Yaniv Lavon
17:00-17:20	Applications of weekly milk recording

	Angie Coburn
17:20-17:40	Can artificial intelligence be used on historical cow data to improve data quality and standardization of disease records. Miel Hostens
17:40-18:00	Genocells: individual somatic cell count of dairy cows by genotyping tank milk. Jean-Bernard Daviere

from 20:00

ICAR Gala Dinner

Friday 21.6.2019

North Hall

8:30-9:15 **IDF/ISO**
Including: Welcoming speeches from ICAR and the local organising committee

9:15-9:30 **Break**

9:30-11:00	Technical Session 11 New Progress in the Field of Artificial Insemination Chairperson: Laurent Journaux
9:30-9:45	Reproscope : the observatory of cattle reproductive performance in France Fabrice Bidan
9:45-10:00	Effect of different additives on post thaw seminal characteristics of murrah bulls Rohit Bishist
10:00-10:15	The ICAR "Artificial Insemination and Related Technologies" Working Group: its goals and current projects Fritz Schmitz-Hsu
10:15-10:30	A global survey of semen straw bar-coding practices and capabilities at bovine semen collection centers Mel DeJarnette
10:30-10:45	International Data exchange for the recording and traceability of worldwide artificial inseminations: a new and modern concept. Olivier Gérard
10:45-11:00	The advantage of using barcodes on semen straws Stephane Alkabes

Hall Panorama

8:30-11:00	Panel Discussion: Joint project involving the Dairy Cattle Milk Recording Working Group, Recording and Sampling Device Sub-Committee and Interbeef, Animal Data Exchange, Functional Traits Working Group, Breed Associations Working Group
	Chairpersons: Daniel Lefebvre and Niels Henning Nielsen <i>During the panel discussion there will be a brief break</i>