PERFORMANCE RECORDING IN THE GENOTYPED WORLD

EXHIBITORS

Allflex, Bentley Instruments, Caisley, Dairymaster, Datamars, DeLaval, Deltatestruments, FOSS, GEA, Test With Confidence, illumina, LGC, Neogen, Polmass, IDEXX, Raudszus, Milk Meters, VHLGenetics

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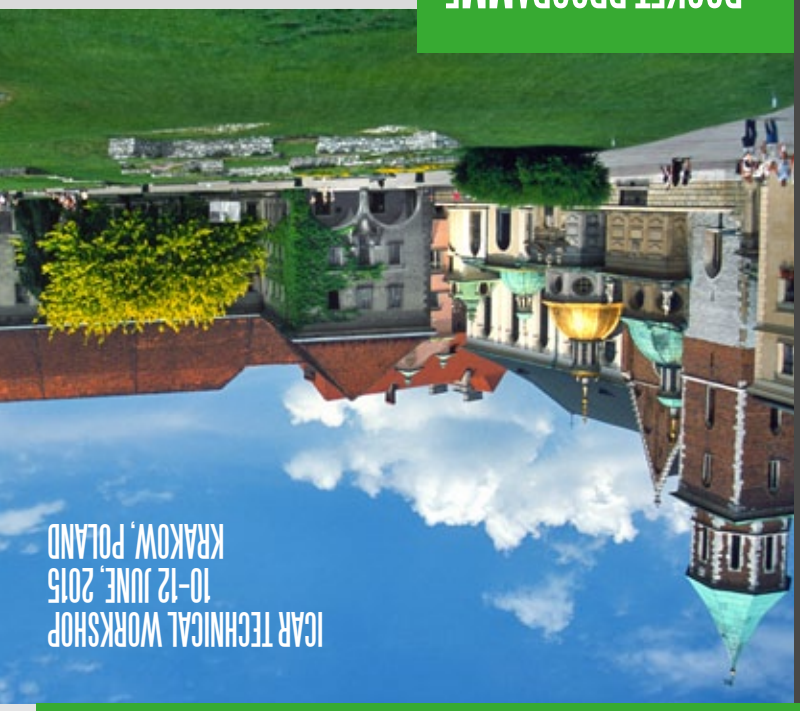
POCKET PROGRAMME



ICAR TECHNICAL WORKSHOP
10-12 JUNE, 2015
KRAKOW, POLAND

PROGRAMME OVERVIEW

ICAR 2015

MONDAY, 8 JUNE 2015

- 1.ICAR Board closed meeting *Conference room: VAN GOGH I (level -1)*
- 2.WG Breed Association closed meeting *Conference room: MONET (level 0)*
- Lunch for ICAR Board, WG SC members
- 1.ICAR Board + secretariat + SC + WG Chairpersons closed meeting *Conference room: VAN GOGH I (level -1)*
- 2.INTERBEEF TC closed meeting *Conference room: MONET (level 0)*
- 3.CoQ Auditors closed meeting *Conference room: VAN GOGH III (level -1)*

TUESDAY, 9 JUNE 2015

- 1.WG Dairy Cattle Milk Recording closed meeting *Conference room: RENOIR II (level 0)*
- 2.S.C. Recording Devices meeting part I closed meeting *Conference room: RENOIR III (level 0)*
- 3.WG Animal Data Exchange part I closed meeting *Conference room: RENOIR I (level 0)*
- 4.S.C. Animal Identification meeting part I closed meeting *Conference room: RENOIR IV (level 0)*
- 5.WG Parentage Recording closed meeting *Conference room: MONET (level 0)*
- Lunch for ICAR Board, WG SC members
- 1.WG INTERBEEF closed meeting *Conference room: VAN GOGH I (level -1)*
- 2.S.C. Recording Devices meeting part II closed meeting *Conference room: RENOIR III (level 0)*
- 3.WG Animal Data Exchange part II closed meeting *Conference room: RENOIR I (level 0)*
- 4.S.C. Animal Identification meeting part II closed meeting *Conference room: RENOIR IV (level 0)*
- 5.WG Genetic Analysis closed meeting *Conference room: VAN GOGH III (level -1)*
- 6.WG Goat and Sheep recordingclosed meeting *Conference room: VAN GOGH II (level -1)*
- 7. WG Conformation Recording closed meeting *Conference room: MONET (level 0)*

WEDNESDAY, 10 JUNE 2015

Conference room: DEGAS (level -2)

- ICAR General Assembly + Extraordinary GA
- Welcome and presentation of Polish agriculture
- Health break
- Technical session I: What else can we learn from milk sample?
- Lunch
- Technical session II: Advisory services built on recording data
- Health break
- Technical session III: Manufacturers showcase
- Welcome cocktail at Krakow Town Hall

THURSDAY, 11 JUNE 2015

Conference room: DEGAS (level -2)

- Technical session IV: Milk recording in cattle, meat and fibre performance in sheep, goats and beef cattle.
- Health break
- Technical session V: Genomics at farm and phenotyping strategies
- Lunch
- Technical session VI: CoQ auditors' workshop
- Health break
- Technical session VII: Joint session
- Busses leave for Gala Dinner to Wieliczka Salt Mine

FRIDAY, 12 JUNE 2015

- Technical tours to the farms.

The technical tours will give you an opportunity to familiarize with Polish animal breeding in the conditions typical for southern Poland, including indigenous cattle breeds and production of traditional dairy products.

TOUR NUMBER I:
Dairy cattle of like indigenous dairy cattle breed: Red Polish at 2 family farms. Sheep, in the Polish mountain conditions along with demonstration of traditional production of "oscypek" - polish kind of mountain cheese with EU certificate of origin, produced from a mixture of sheep and cow milk.

TOUR NUMBER II:
Dairy cattle of different breeds like Polish Holstein and Jersey kept at 2 farms owned by a treasury state company SK Michałów Sp.z o.o. As an supplementary attraction, it is worth mentioning that this company is famous for its Arabian horses breeding.
Beef cattle in family farms.

TOUR NUMBER III:
Dairy cattle in Polish farms characterized by a high level of milk production and having some additional branches of activity like a biogas plant or alcohol distillery etc.

PRE-CONFERENCE MEETINGS & TOUR

Tuesday, 9 June 2015 - Technical tour to one of Milk Recording Organization Laboratories and Reference Milk Laboratory

WEDNESDAY, 10 JUNE 2015

08:00 - 09:30 **ICAR General Assembly + Extraordinary GA**

09:30 - 10:00 **Welcome and presentation of Polish agriculture**

10:00 - 10:30 Health break

10:30 - 12:30 **Technical session I: What else can we learn from milk sample?**

Chairman: prof. Zygmunt Maciej Kowalski

- Global experience on ketosis screening by FTIR technology *(Daniel Schwarz)*
- New Milk Mid-FTIR Metrics For Dairy Cattle Management *(David Barbano)*
- Prediction of the risk of ketosis using mid infrared spectrometry. *(Marine Gelé)*
- Novel model of monitoring of subclinical ketosis in dairy herds in Poland based on monthly milk recording and estimation of ketone bodies in milk by FTIR spectroscopy *(Zygmunt Kowalski)*
- Experience of milk based farm monitoring of LPT Ltd. *(László Dégen)*
- Monitoring the mammary gland health status during lactating and drying off periods using Milk Amyloid A measurement in bovine milk. Applications: evaluation of mastitis treatment efficiency and prediction of the dry cow antibiotic therapy necessity. *(Cyril Crosson)*
- Pregnancy detection from milk samples obtained for routine milk yield measurements (Attila Monostori)
- Estimation of the prevalence of Subacute ruminal acidosis in dairy herds *(Romain Guegan)*

12:30 - 13:30 Lunch

13:30 - 15:30 **Technical session II: Advisory services built on recording data**

Chairman: Neil Petreny

- The advice organisation in dairy herds: Example in a Milk Recording Organisation from West of France *(Christophe Bruand)*
- Dirty Data the cause of an Emerging Disease in Cattle Farming. Is There Any Proof? *(Kristof Hermans)*
- Benchmarking in Dairy Production "How to transform data to valuable decision support" *(Johannes Frandsen)*
- Smart Dairy Farming: InfoBroker bases for Sharing Data and Chain Cooperation *(Pieter Hogewerf)*
- Operative Background of the Hungarian Farm Monitoring System Based on Milk and TMR Analyses *(Orsolya Petrák)*
- Web advisory tools to support dairy production in Slovenian herds *(Betka Logar)*
- SIEL WEB *(Quemener Stéphan)*
- On farm recording of fertility and health data using mobile devices *(Tomasz Strabel)*

15:30 - 16:00 Health break

16:00 - 18:00 **Technical session III: Manufacturers showcase**

Chairman: Martin Burke

- Update on the Implementation of ICAR Animal Data Exchange Standards *(Robert Fourdraine)*
- Experiences from routine checking and installation of milk meters with ICAR approved calibration software module from DeLaval *(Olle Selander)*
- Detection of Pregnancy-Associated Glycoproteins in Routine Milk Recording Samples *(Christoph Egli)*
- Blood BHB determination by infrared spectroscopy for the monitoring of the cows metabolic activity and detection of ketosis. *(Pierre Broutin)*
- MooMonitor+ Smart Sensing Technology & Big Data - Resting time as an indicator for welfare status on farms. *(Jiska Roessen)*
- AUTOPESEE, a French automatic weighing scales developed for the beef cattle performance recording *(Laurent Griffon)*
- Increasing the value and traceability of milk samples with NFC technology: SmartLY *(Eric Guemene)*

Parallel closed meeting:

Wednesday 10th of June 2015

- Reference Laboratory Network members meeting

The ICAR Milk Analysis Sub-Committee (ICAR MA SC) has organised a Reference Laboratory Network (RLN) meeting in conjunction with the ICAR annual meeting in Krakow 2015. The programme of the RLN meeting is both informative and exciting and will cover such interesting topics as: Quality Assurance for analytical parameters, Proficiency Testing in ICAR, National Laboratory Networks, Reference System for Somatic Cell Counting, work of the ICAR "Accuracy" Task Force, and a panel discussion on Trends and needs: the future of analytics in DHI.
The RLN meetings are closed sessions restricted only to the RL Network members. A summary of the RLN meeting in Krakow will be reported to the ICAR Technical Workshop participants on the 11th of June during the Joint Session at 16:00 in the Conference Room Degas (level -2)

19:00 **Welcome cocktail at Krakow Town Hall** (in a walking distance from the venue). For more details see the page 54.

THURSDAY, 11 JUNE 2015

08:00 - 10:00 **Technical session IV: Milk recording in cattle, meat and fibre performance in sheep, goats and beef cattle.**

Chairman: Laurent Journaux and Pavel Bucek

- Worldwide Trends in Milk Recording in Cattle *(Pavel Bucek)*
- Worldwide Trends in Milk Recording: Milk Recording and New Technologies *(Juho Kyntäjä)*
- World Trends in Milk Recording Management and Organization *(Karl Zottl)*
- Innovations in Sheep Performance Recording in New Zealand *(Andrew Cooke)*
- Organization of milk recording in goats in France *(Agnes Piacere)*
- Beef Data Recording in Ireland: Current Experience and Future Potential of an Industry Integrated National Database. *(Christopher Daly)*
- Implementation of new milk recording practises in Finland *(Heli Wahlroos)*

10:00 - 10:30 Health break

10:30 - 12:30 **Technical session V: Genomics at farm and phenotyping strategies**

Chairman: Mike Coffey

- Recording of claw and foot disorders in dairy cattle: current role and prospects of the international harmonization initiative of ICAR *(Christa Egger-Danner)*
- Efficient Cow - Strategies for on-farm collecting of phenotypes for efficiency traits *(Franz Steininger)*
- SNP selection for nationwide parentage verification and identification in beef and dairy cattle *(Matthew McClure)*
- Phenotypic associations and genetic correlations between claw health disorders and, milk production, fertility, somatic cell score and type traits in Holstein Spanish dairy cattle. *(Noureddine Charfeddine)*
- Guidelines to measure individual feed intake of dairy cows for genomic and genetic evaluations. *(Roel Veerkamp)*
- Maximizing Genetic Progress in the New Age of Genomics *(Robert Fourdraine)*

12:30 - 13:30 Lunch

13:30 - 15:30 **Technical session VI: CoQ auditors' workshop**

The Auditors' Workshop is intended to be an open meeting - everybody is welcome to attend it and the theme for the Workshop is: Data Quality for Genetic Evaluation, a topic that is important to most all ICAR members.

Chairman: Charl Hunlun

- COQ Auditors' Workshop *(Charl Hunlun)*
- Data requirements for management and breeding purposes in dairy cattle *(Friedrich Reinhardt)*

15:30 - 16:00 Health break

16:00 - 17:30 **Technical session VII: Joint session:**

A summary of all parallel meetings organized on following topics:

- Welfare and health - FIL/IDF SCAHW,
- Reference Laboratory Network
- Satellite workshop on the methods for survey and monitoring metabolic disorders, which are used by Milk Recording Organizations.

Chairman: Danuta Radzio

Parallel closed meetings:

Thursday 11th of June 2015

- Satellite workshop on the methods for survey and monitoring metabolic disorders, which are used by Milk Recording Organizations.

In order to facilitate sharing experience and ideas on new methods and factors useful for monitoring metabolic disorders of cows, the Polish organizer encouraged by prof. Zygmunt Maciej Kowalski came up with an idea to organise a small satellite workshop in the form of a brainstorming session. The number of participants is limited to 1-2 MROs' representatives /specialists from each country. The satellite workshop was intended as small parallel meeting of specialist acting in aforementioned field. Therefore the outcomes of this meeting will be reported to the all ICAR Technical Workshop in Krakow participants on the 11th of June during the Joint Session at 16:00 in the Conference Room Degas (level -2)

- Meeting of the IDF Standing Committee on Animal Health and Welfare (SCAHW) experts.

The experts have been nominated by IDF's National Committees to serve on this committee.
The overall objective of the IDF SCAHW is to inform the dairy sector about new developments in the field of animal health and animal welfare and their implications on prevention of diseases considering aspects relating to farm economics, food safety, human health and dairy technology.
The IDF Standing Committee meetings are closed meetings and any observers need to be cleared prior to the meeting through our National Committees. Therefore the outcomes of SCAHW meeting in Krakow will be reported to the all ICAR Technical Workshop in Krakow participants on the 11th of June during the Joint Session at 16:00 in the Conference Room Degas (level -2)

18:00 Busses leave for **Gala Dinner at Wieliczka Salt Mine**. For more details see the page 55.