



ICAR Annual Conference & IDF/ISO Analytical Week 2025

Sustainable Livestock Farming through Harmonization, Technology and Innovation

NDDDB Anand, Gujarat, India | 29 March - 4 April, 2025

PROGRAMME SCHEDULE

Time	ICAR		IDF/ISO
Saturday 29 March 2025 Venue: New Board Room			
08:00 – 10:00	Registration		
10:30 – 11:00	Health break		
11:00 – 13:00	ICAR Board		
13:00 – 14:30	Lunch		
14:30 – 16:00	ICAR Board		
16:00 – 16:30	Health break		
16:30 – 18:00	ICAR Board		
Sunday 30 March 2025 Venue: New Board Room			
08:00 – 10:00	Registration		
08:30 – 10:30	ICAR Board/staff meeting		
10:30 – 11:00	Health break		
11:00 – 13:00	ICAR Board/staff meeting		
13:00 – 14:30	Lunch		
14:30 – 16:00	ICAR Board & Chairs Committees		
16:00 – 16:30	Health break		
16:30 – 18:00	ICAR Board & Chairs Committees		
Monday 31 March 2025			
08:00 – 10:00	Registration		
08:30 – 10:30			Methods Standards Steering Group (MSSG - by invitation) - Training Room 4
10:30 – 11:00	Health break		
11:00 – 13:00			Methods Standards Steering Group (MSSG - by invitation) - Training Room 4
13:00 – 14:30	Lunch		
14:30 – 16:00	Milk Analysis subcommittee (MASC) - Training Room 4		Action Team(s) - New Board Room
16:00 – 16:30	Health break		
16:30 – 18:00	ICAR/IDF ExtraMir - Training Room 4	DCMR WGs - Training Room 5	Action Team(s) - New Board Room
20:00 onwards	Dinner by Chairman NDDB - NDDB Campus		
Tuesday 1 April 2025			
08:00 – 10:00	Registration		
09:00 – 10:00	ICAR General Assembly - T K Patel Auditorium		
10:00 –10:30	Health break		
10:30 – 11:15	Inaugural ceremony ICAR/IDF/ISO - T K Patel Auditorium		
11:15 –11:25	Break		

Time	ICAR		IDF/ISO	
11:25 – 12:25	ICAR Plenary session - Daniel Lefebvre - T K Patel Auditorium ICAR services - Martin Burke Interbull Services - Toine Roizen			
12:25 – 13:15	IDF/ISO Plenary session - T K Patel Auditorium			
13:15 – 14:30	Lunch			
14:30 – 16:00 T K Patel Auditorium	Technical Session 1 - ICAR traits: how ICAR members develop tools to support farmers to increase the sustainability of their dairy herd. Session chair: Daniel Lefebvre		Standing Committee on Laboratory Statistics and Quality Assurance (SCLSQA)1 - Training Room 4	Standing Committee on Analytical Methods for Additives and Contaminants (SCAMAC) 1 - Training Room 5
	Leveraging Mid-Infrared Milk Spectroscopy to Increase the Sustainability of Dairy Farms	F. Dehareng		
	NEU.rind – A User-Friendly Digital Tool Applied for Sustainability Assessments of Austrian Dairy Farms	Christa Egger-Danner		
	ICAR questionnaire- Driving animal genetic progress within cattle populations	Daria Iakovishina		
	Using Test Day Data and Neural Network Regression to rank cows based on their future Lifetime Milk Yield Revenue	Daniel Lefebvre		
	AgNav – a climate action planning tool for farmers and their advisors	Mike Lynch		
16:00 – 16:30	Health break			
16:30 – 18:00 T K Patel Auditorium	Technical Session 2 - From data collection to genetic improvement in smallholder dairy systems. Session chair: Matthew Shaffer and Toine Roozen		SCLSQA - Training Room 4	SCAMAC - Training Room 5
	Introduction to session	Toine Roozen		
	Data collection for genetic evaluation from smallholders	Sachin Joshi		
	Translating genetic evaluation into genetic improvement for smallholder dairy cattle and buffalo in India	Nilesh Nayee		
	How genomics transformed intensive dairy genetic improvement	John Cole		
	Selection for heat tolerance	Matthew Shaffer		
	Step-wise Data-Driven Innovation to Support Sustainable Dairy Transformation in Developing Countries	Helene Soyeurt		
	Panel Discussion	All speaker		
08:30 – 18:00	Exhibition and Poster session			
19:00	Cultural event followed by welcome reception - NDDDB Campus			
Wednesday 2 April 2025 Venue: T K Patel Auditorium				
08:00 – 10:00	Registration			
	ICAR/IDF/ISO Symposium- Analytical standards in support of a better and safer dairy chain. Session chair: S Rajeev			
08:30 – 08:45	Presentation of the Indian dairy sector – Jignesh Shah (DGM-SAP) National Dairy Development Board (NDDDB), India			
08:45 – 09:00	Brief introductions of ICAR/IDF/ISO and importance of collaboration – Philippe Trossat, France			
09:00 – 09:15	ICAR and IDF/ISO efforts on validation of milk analysers on farm (ICAR) and in laboratory (ISO 8196 IDF 128) – Silvia Orlandini, Italy			
09:15 – 09:45	Joint ICAR and IDF projects: overview and future actions for a. Reference System for Somatic Cell Count – AT leader: Pierre Broutin, France b. ExtraMir – AT leader: Helen Soyeurt, Belgium			
09:45 – 11:05	Standardization in India a. Overview of NDDDB Analytical Laboratory – Rajesh Nair b. Challenges and solutions for sampling and analysis of milk and milk products for regulatory purpose - S K Panda c. National Standards of test methods for milk and milk products given emerging global market requirements – Suneeti Toteja d. Challenges and opportunity in export of food consignment: Regulatory Requirements and analytical method- Anoop Krishnan			

Time	ICAR		IDF/ISO	
11:05 – 11:35	Health break			
11:35 – 12:55	Panel discussion on challenges and opportunity in analytical methods used for dairy and other food testing (panelists from ICAR, IDF, ISO, BIS, FSSAI, EIC, NDDDB experts). Moderator: Silvia Orlandini			
12:55 – 13:00	Presentation of next IDF/ISO Analytical Week 2026, China – Guo Ling (video presentation)			
13:00 – 14:30	Lunch			
14:30 – 16:00	Technical Session 4 - How the milk analyses can support the livestock and dairy production. Session chair: Josee Bordeleau			
	Differences in cow milk mid-infrared spectra collected during morning and evening milking and their implications		Maria Frizzarin	
	Possibilities of rapid MIR analysis of milk to provide information on cow’s welfare		Clement Grelet	
	Prediction of mastitis via mid infrared analysis of milk: Validation through experimental approach		Octave Chripophe	
	The Dairy-Farm Management Monitor; monthly bulk milk diagnostics for increased lactations and early disease-warning		Wim Schielen	
	Milk analysis as basis to incentivize and support safe and sustainable dairy products		Daniel Schwarz	
16:00 – 16:30	Health break			
16:30 – 18:00	Manufacturer’s showcase			
	Latest cutting-edge analytical and automation solutions to extract the maximum value of every milk sample and streamline Central Milk Testing laboratories operation-Pierre Broutin		Bentley Instruments	
	Choosing the best method for the job: NIR or MIR (FTIR)?- Per Waaben Hansen		IndiFoss Analytical pvt. Ltd.	
	Enhancing Milk Quality & Finished Products with Cutting-Edge Technology-Bharatkumar Davda		Tara International	
	Increase of Milk and Lactation Numbers By Using FMM (Farm Milk Monitor)-Wim Schielen		Everest Instruments Private Limited and ELDC, Netherland	
	Importance of standards for digital transformation at dairy farms in India- Neeraj Kumar		DeLaval Pvt Limited	
08:30 – 18:00	Exhibition and Poster session			
19:00	FREE EVENING			
Thursday 3 April 2025				
08:00 – 10:00	Registration			
08:30 – 10:30 T K Patel Auditorium	Technical Session 5 - Recording and phenotyping strategies with focus on functional traits. Session chair: Varsha Joshi		Standing Committee on Analytical Methods for Composition (SCAMC)1 - Training Room 4	Standing Committee on Methods for Dairy Microbiology (SCMDM)1 - Training Room 5
	National Digital Livestock Mission – initiative by Government of India	Varsha Joshi		
	Employing collar-based algorithm to predict dry-matter intake for evaluating and improving feed efficiency in dairy-cows	Roni Yair		
	Community based breeding programs – opportunity for smallholder goat genetic improvement and increased incomes	Nimbkar C		
	The last data point – experience with Dtreo data capture for impact in smallholder ruminant systems	Anouk Schurink		
	US genetic evaluation for new calf health traits: diarrhea and respiratory illnesses (video presentation)	Mahesh Neupane or John Cole		
	Animal recording and decision support system, the LoCaBreed 2.0-Dtreo integration	Dominique Ouédraogo		
	Simple phenotypic indexes can bring data recording to life for smallholder farmers	Peter Amer		
	Genome wide association study of type traits associated with production traits in Kankrej cattle	A.B. Chaudhari		
	Recording and Phenotyping Strategies with a Focus on Functional Traits	Gil Katz		
10:30 – 11:00	Health break			

Time	ICAR		IDF/ISO	
11:00 – 13:00 T K Patel Auditorium	Technical Session 3 - Advancing climate-smart livestock technology to enhance animal health and resilience, farmer prosperity, and food. Session chair: Miel Hostens		SCAMC - Training Room 4	SCMDM - Training Room 5
	ICAR IDF Initiative on sensor data for functional traits: genetics and reference standard for rumination	Christa Egger-Danner		
	Implementation of genetic evaluation for methane in Dutch Holstein Friesian population'	Gerben de Jong		
	Advancing climate-smart livestock nutrition to enhance animal health and resilience, farmer prosperity, and food security across the Indian subcontinent	Miel Hostens		
	Enhancing Farm Resistance to TB	Mike Lynch		
	Technical Session 6 - Breeding for lower methane emission: advances in recording, phenotypic & genetic analysis and implementation in breeding programmes. Session chair: Maria Frizzarin			
	ICAR-BWYPEX 2025: introduction to the topics	Maria Frizzarin		
	breed4green – Establishing a comprehensive dataset on methane emissions, proxies and other traits in commercial farms	Christa Egger-Danner		
13:00 – 14:30	Lunch			
14:30 – 16:00 T K Patel Auditorium	Manufacturer's showcase		SCAMC - Training Room 4	SCMDM - Training Room 5
	Identification benefits for traceability systems- Claire Richaud	MSD Animal Health		
	Caisley Geno TC - a new option for ear tissue sampling- Ferdinand Schmitt	Caisley International GmbH		
	Thermo Fisher comprehensive solutions supporting agrigenomics applications - Arjun Kandalam	Thermofisher		
	Innovative Management of Animal Genetic Resources using Axiom Multispecies array- Harish Rotti	Inventa		
	Animal Reproduction Biotechnology solutions – IMV Technologies- Sanjeev Sharma	IMV Technologies		
	Revolutionizing Dairy Breeding: Introduction of Sexed Semen in India- Swapnil Deshmukh	Genus Breeding India Pvt Ltd (ABS India)		
	Innovative analytical solutions for milk quality analysis - for everyone- Daniel Schwarz	IndiFoss Analytical pvt. Ltd.		
	A Healthier Future for Livestock: Quick Diagnostics, Smarter Treatments- Utpal Tatu	Prompt equipment		
16:00 – 16:30	Health break			
16:30 – 18:00	ICAR 2025 wrap up meeting - T K Patel Auditorium		SCAMC - Training Room 4	SCMDM - Training Room 5
08:30 – 18:00	Exhibition and Poster session			
19:00	Gala Dinner – Hotel Madhubhan			
Friday 4 April 2025				
08:30 – 10:30	MSSG wrap up- TBC (by invitation) - Dr. Verghese Kurien Auditorium			
All day technical tours				

1. Also serves as a meeting of ISO/TC 34/SC 5 – Milk and milk products

Note: Blue text - ICAR/IDF/ISO meeting for members or allowed observers only

Exhibition and posters are in separate area



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Posters Session			
1 April 2025 8:30 - 18:00			
Session			
4	1	Lactation Stage Modulates Milk Citrate and Fatty Acid Synthesis via Acetate Chain Elongation (ACE) in Dairy Cows	Yi-Hsuan Chen
4	2	Milk Recording as a Tool Dairy Farming Development in the Republic of Srpska	Aleksandar Maric
4	3	Impact of reducing milking-point coverage of on-farm milk analysers on distribution of tests per cow	Robert Orchard
4	4	Effect of different preservatives on total bacteria count in raw milk for laboratory proficiency test	Jen-Wen Shiau
4	5	Dairy Sangrah: A Digital Solution for Precision Livestock Farming	Hanish Sharma
4	6	Common Mastitis Pathogens and Prevalence in Dairy Farms in Taiwan	Jen-Wen Shiau
4	7	Traceability of Results: Development of a Secondary Certified Reference Material for Somatic Cell Counting for Milk Quality Control	Gabriela Alejandra Costamagna
4	8	Choosing the best method for the job: NIR or MIR (FTIR)?	Per Waaben Hansen
2 April 2025 8:30 - 18:00			
4	9	Utility of an in-line somatic cell count sensor for selecting cows for dry-cow therapy	Robert Orchard
4	10	Probiotic viability determination in mixed-species yoghurt incorporating Lactacaseibacillus rhamnosus and Bifidobacterium spp. during storage	Buys EM
1	11	Whole Genome Mapping for Identification of Genes associated with Production Traits Under Heat Stress Conditions in Mehsana Buffalo	Sujit Saha
1	12	Weigh Day – an android application for Dhi Test Day Data Collection	William VerBoort
1	13	A Reporting System for Small-Scale Farms: Leveraging Open Data for Grigio Alpina Cattle in Italy	Riccardo Negrini
1	14	Hackathon on Artificial Intelligence on Livestock Open Data	Riccardo Negrini
1	15	Estimation of changing genetic parameters for large multi-trait genomic data under high intensity of genomic selection	G.R.Gowane
1	16	Prevalence of Common Infectious Causes of Neonatal Diarrhea in Buffalo Calves and their Dams in Organized Dairy Farm in Hisar, India	Saminuel Mairinga
3 April 2025 8:30 - 18:00			
5	17	Levering explainable artificial intelligence for efficient data-driven decisions to improve welfare in livestock species	Pablo Augusto de Souza Fonseca
5	18	Understanding milking temperament – A farmer preferred trait of dairy animals under Indian smallholder production system	Shantanu Shinde
5	19	Adoption of Panting Score as a Heat Stress Assessment Tool in Indian Smallholder Dairy System	Akshay Joshi
3	20	3D Imaging for Automatic Body Condition Score Measurement in Dairy Cows	J. F. Huang
3	21	Insights into Lactation Performance for Automatic Milking Systems of Holstein Dairy Cows in Taiwan	J. F. Huang
3	22	Enhancing Animal Resilience: A Collaborative Approach within the European Partnership on Animal Health and Welfare	Alessandra Crisà
3	23	Machine Learning model to evaluate thermal stress impact on reproductive performance in Italian dairy cattle	Riccardo Negrini
6	24	Seasonal, Parity, and Lactation Stage Effects on Daily Methane Emissions in Dairy Cattle in Taiwan	Jen-Wen Shiau
7	25	Modeling of the lactation curve in French dairy sheep	Jean-Michel Astruc

