

I⁴ Conference News

IDF/ISO Analytical Week and ICAR/INTERBULL Conference

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Germany | Berlin

IDF/ISO 15–20 May | ICAR 19–23 May | Interbull 20–21 May

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↑ Ines Märkle-Coldewey welcomes participants



↑ Jaap Evers at the Opening Session



↑ Christian Baumgartner highlights the importance of international collaboration

Welcome to IDF/ISO Analytical Week 2014

The IDF/ISO Analytical Week 2014 was officially opened on Thursday 15 May, with a ceremony welcoming the 150 analytical experts from around the world who have come to evaluate and progress the IDF/ISO work programme.

Ines Märkle-Coldewey, Managing Director of IDF Germany, highlighted the importance of the analytical work taking place here in Berlin: “Standardization plays a crucial role in ensuring food safety, food quality and fairness in international trade. The 180 published joint standards are testament to the global reach of IDF/ISO Methods of Analysis standards and the quality of the analytical work that is conducted in these project groups.”

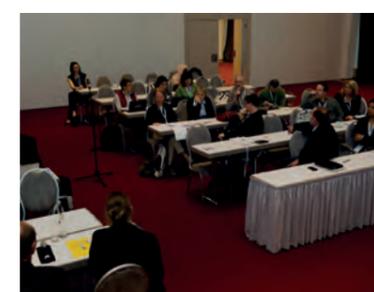
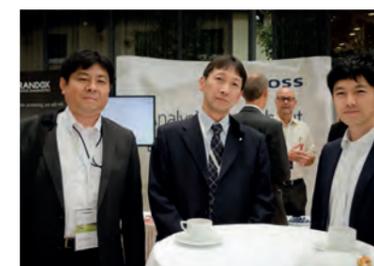
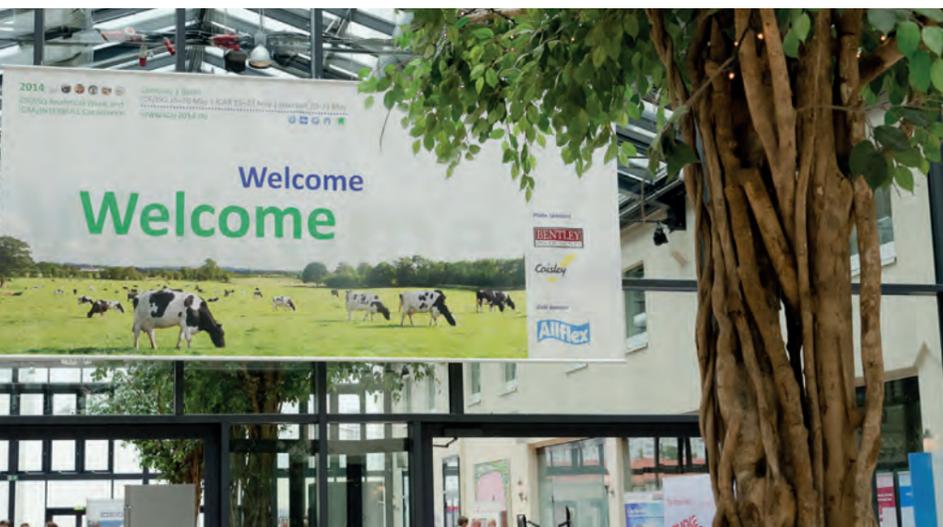
Given the global nature of the work, it is a rare opportunity for members to work together and benefit from face-to-face interaction. Jaap Evers, Chair of the IDF Methods Standards Steering Group, reiterated the importance of the event for networking and making new contacts from around the world.

Christian Baumgartner, representing the organizing committee, also drew on how the week will help to strengthen relationships, not only among individual experts and project groups, but between the organizations involved in the event. The Symposium, taking place on Saturday 17 May, will in particular serve to combine the two worlds of IDF/ISO and ICAR and demonstrate the value of the continued collaboration between these organizations.

IDF/ISO Analytical Week 2015
Save the Date

IDF/ISO Analytical Week 2015 will take place 12–17 April in Namur, Belgium.





An Enhanced Strategy for Providing Global Dairy Expertise

The IDF Methods Standards Steering Group reviews its strategic objectives in light of IDF strategy refresh

Through IDF working bodies, events and work programme, IDF provides a common platform, systems and processes for the global dairy sector to come together to reach consensus. Given the rising global population and need to meet the increasing demand for milk and dairy products, it is essential that the right policies, standards, practices and regulations are in place. As the peak body for the global dairy sector, IDF has an important role to play in addressing these challenges.

Paving the way for enhanced synergy

IDF is currently refreshing its strategy to ensure that it will continue to best meet the needs of its members in a rapidly evolving sector. To fulfill its role as providing science-based expertise and consensus and acting as the global voice of dairy to intergovernmental organizations and stakeholders, it is important to establish common goals. This in turn will pave the way for enhanced synergy among IDF working bodies and a more effective approach to the increasing number of multidisciplinary challenges facing the global dairy sector.

Thanks to its extensive expert network, IDF is especially well placed to strengthen its position as the global expert in dairy Standards, Nutrition, Safety and Sustainability, with Standards providing the foundation for the other work areas.

Standards at the core of IDF work

Contributing to Global Standards (as well as Guidelines and Frameworks), is one of IDF's key competencies. As analytical standards will be at the core of IDF work moving forward, the IDF Methods Standards Steering Group (MSSG) has been discussing how to update its strategic objectives in light of the IDF strategy refresh.

The MSSG coordinates the joint IDF/ISO programme of work, with the technical work being carried out by IDF Standing Committees. The main drivers of the MSSG strategy are maintaining the reputation of IDF/ISO as the foremost dairy related standard development organization, monitoring new global trends and ensuring global harmonization of MAS.

The strategic objectives of the MSSG will centre around the following themes:

- Developing international standards
- Building liaisons with other standard development organizations
- Delivering new services besides developing and codifying methods of analysis standards
- Building an international pool of experts

Improving Value and Performance

An enhanced strategic vision for IDF, combined with greater strategic focus by the MSSG, will in turn improve the value and performance of the IDF Standing Committees. Complemented by a more strategic communications plan, not only will the MSSG be able to make more effective contributions to the operating environment of the global dairy sector, but in the process it can raise the profile of standards and the importance of analytical work.



↑ Jaap Evers presents the IDF strategy refresh

CCMAS ENDORSES REVISED IDF/ISO PROTEIN CALCULATION METHOD

IDF and ISO collaborated on a major project to expand the scope of an international standard used throughout the global dairy industry to measure the protein content of cow's milk. The revised method, ISO 8968-1 | IDF 20-1 – Milk and milk products – Determination of nitrogen content – Part 1: Kjeldahl principle and crude protein calculation, now encompasses milk from goats and sheep, as well as dried milk, infant formula and a wide range of other dairy products traded internationally.

It reconfirms the crucial role of the Kjeldahl method in national and international trade, for example in calculating fair milk payments for dairy farmers, controlling manufacturing processes and in checking regulatory compliance.

IDF monitors and provides scientific expert input to Codex work. As a Codex Observer Organization, IDF is the platform for the international dairy sector to achieve consensus on a common approach to issues discussed in Codex.

The Codex Committee on Methods of Analysis and Sampling (CCMAS) endorsed the revised method in March 2014. This means following adoption by the Codex Alimentarius Commission in July, it will become the recommended method for the determination of protein in a large number of dairy products.

Facilitating Global Trade in Dairy Products

IDF-ISO: Effective collaboration to produce high quality analytical standards

Combining strengths, sharing resources, and eliminating duplication to achieve better outcomes are the guiding principles of the analytical field. Standards are essential to stimulate and preserve international trade and raise market confidence. The International Dairy Federation (IDF) and the International Organization for Standards (ISO) join efforts to ensure milk and milk products are of the highest quality.

Given the increasing global demand for milk and milk products, standardization is ever more important to ensure food safety, food quality and fairness in international trade. A great deal of collaboration is necessary between the international organizations involved in setting analytical standards. This enhances harmonization and avoids duplication of work, increasing efficiency and simplifying matters for the end user.

IDF and ISO hand in hand

Since 1963, IDF and ISO (International Organization for Standardization) have collaborated to develop internationally harmonized standards for methods of analysis and sampling (MAS) for the dairy sector. In 2001, this cooperation was strengthened by IDF and ISO agreeing to publish joint international standards for MAS for the dairy sector.

Currently, IDF and ISO have published over 180 joint standards. These methods benefit all stakeholders in the dairy chain, e.g. farmers (raw milk quality testing, herd improvement), manufacturers (process control and optimization), regulators and consumers (compliance with food standard specifications, truth of labeling and food safety.) The global impact of IDF/ISO analytical methods is evident from the fact that many of these methods are referenced in national and regional regulations and that over 60 have been adopted by Codex Alimentarius. This demonstrates the global reach of IDF/ISO standard MAS and is testimony to the quality of analytical methodology development in the joint IDF/ISO work programme.



↑ Figure 1: importance of International analytical standards in trade

Products	Provisions (from Codex standards)	Method	Principle
Butter	Milk fat purity	ISO 17678 IDF 202:2010	Calculation from determination of triglycerides by gas chromatography
Cream	Solids	ISO 6731 IDF 21:2010	Gravimetry (drying at 102 °C)
Emmental	Calcium >= 800 mg/100g	ISO 8070 IDF 119:2007	Flame atomic absorption
Fermented milks	Milk fat	ISO 1211 IDF 1:2010 / AOAC 989.05	Gravimetry (Röse-Gottlieb)
Fermented milks – Yoghurt and yoghurt products	Lactobacillus delbrueckii subsp. Bulgaricus & Streptococcus thermophilus	ISO 9232 IDF 146:2003	Test for strain identification
Milk, Milk products, infant formula	Melamine	ISO/TS 15495 IDF/RM 230:2010	Liquid chromatography

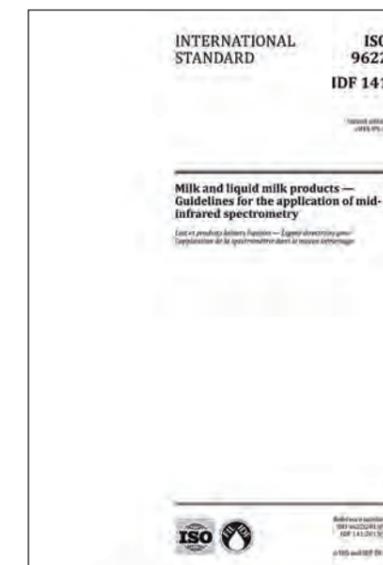
← Table 1: Extract from the current Codex STAN 234 - list of recommended methods section Milk and Milk products

How to become involved?

Most proposals for new work come from active experts involved in the joint IDF/ISO programme of work. Hence, being involved means having an opportunity to steer the development of internationally accepted methods of analysis & sampling for the dairy sector. IDF is always keen to see new experts join this programme of work. Interested experts should contact their IDF National Committee to be nominated to join any of analytical Standing Committees. Visit www.fil-idf.org for further details.

Conclusion

IDF and ISO collaboration on analytical standards development ensures a robust scientific process and delivers analytical solutions for the global dairy sector. Collaborations with other standardization organizations further enhance the international acceptance of such methods and also protect the reputation of dairy as a safe source of nutrition. New experts to help shape the future of analytical method development are always welcome.



← Figure 2: Example of IDF/ISO Standard

For further details



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Project Group News



Project S03 ↑

Project Group S03 - New applications of infrared technology

The aim of the project is to gather general information for publication and improve the communication in relation to “New applications of infrared (IR) spectrometry”. Several papers have been published in the IDF Bulletin and a number of other papers are in preparation.

The focus of the first paper in preparation is the approach to spectrum standardization.

The second paper is divided into two parts: the first part will provide clarification on how to choose an equation for the prediction of new parameters and how to control the result in routine. A survey will be conducted to understand the different approaches currently used. Use of IR spectrometry for qualitative analyses, will be the purpose of the second part.



Project Group C32 - Review of existing standards for the determination of fat in various dairy matrices

The objective of the project is to merge all eight “Rose Gottlieb” and the two “Schmid-Bondzynski-Ratzlaff” (SBR) methods into a single method for each analytical principle. This approach allows for the complete alignment of the former methods, a simpler revision procedure and also a simplification for laboratories.

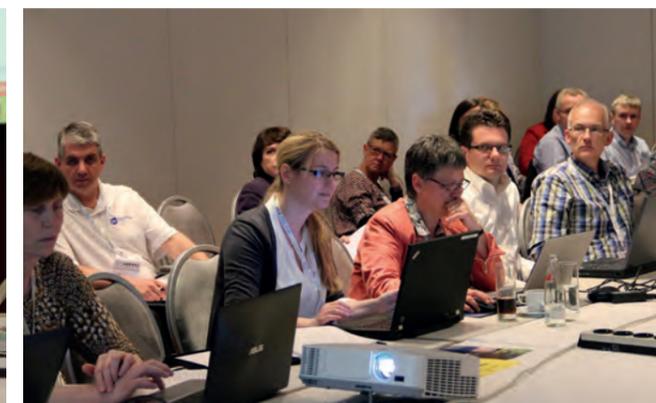
The project group agreed on this approach and will propose to start two IDF New Work Items, for review at the Standing Committee on Analytical Methods for Composition meeting on Monday 19 May. Expected target dates for completion of the project and publication of 2 IDF/ISO standards are 2015 for “SBR” methods and 2016 for “Rose Gottlieb” methods.

← Project C32

Project Group S10 – Method for automated sampling

This project aims at developing IDF/ISO guidance for automated sampling of liquid milk and milk products at milk collection trucks, milk collection points and at dairy plants. Automated sampling procedures are practised in many countries, each following national and local rules and protocols for evaluation, application and control. As dairies increasingly operate across borders, it is important to seek international harmonisation.

The project group has agreed on a draft standard. After approval by the Standing Committee on Statistics and Automation, the draft will then be proposed to ISO, for the development of a joint IDF/ISO standard.





WELCOME COCKTAIL

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Exhibitor Showcase

On Friday 16 May, five exhibitors took to the stage in an Exhibitor Showcase to present their latest products and initiatives.



Innovative analytical solutions for the dairy industry

Pierre Broutin, Managing Director Western Europe and Senior Scientist, presented a global overview of the markets Bentley Instruments operates in and its product range, with a special focus on two product lines: NexGen FTS Combi (FTIR and Flow Cytometry SCC) and BactoCount IBC (Flow Cytometry Bacteria Counting).

“Bentley Instruments is a 100% dairy company, so it is important for us to come to Analytical Week to support the work being done and listen to the opinions and requests of the experts.”



Delta Instruments presents new product features

Wopke Beukema, Sales and Marketing Director, outlined the new features of the Combiscope FTIR 600 HP, as well as inviting two colleagues to present on Delta’s work in a regional innovation cluster.

“The audience at Analytical Week includes the foremost experts and opinion leaders in the world when it comes to dairy analytics – this is an exciting opportunity to present to them and to gain potential new customers,” he explained.



Dedicated to quality assurance

Bianca Müller, Research and Development, presented the latest developments in QSE reference materials for raw milk testing.

“QSE is dedicated to quality assurance in analytical work in the dairy field,” she explained. Also featured in the presentation was an overview of the latest proficiency tests for inhibitor testing, which includes around 145 participants.



Introducing Randox Food Diagnostics

Lisa Hughes, Business Manager – Milk Division, spoke of the value of showcasing what the Randox Group and Randox Food Diagnostics can offer: “This is the ideal place to raise awareness of who we are, as well as increasing our knowledge of what is important to the industry.”

Products showcased included the Biochip array technology and ELISA test kits, used for the screening of drug residues.



A portal for exchange on raw milk analysis

Berte Asmussen, founding partner, presented an update on the progress of the Raw Milk Connect portal, which was launched at the IDF/ISO Analytical Week 2011.

“It was fitting that we return to the Analytical

Week as this initiative has received great support from these experts. It is an opportunity to thank them and to highlight what we have achieved so far with the portal and our consultancy work.”

Imprint

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