



MESSAGE FROM THE DIRECTOR GENERAL

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Transparency and effective stakeholder interactions are crucial for building trust. Among food-related intergovernmental agencies, few put as much effort in stakeholder engagement as the European Food Safety Authority (EFSA) does. While EFSA's official remit is within the European Union, its guidance influences food safety and nutrition regulations in many countries outside Europe as well. Likewise, discussions regarding transparency, data quality, risk communication and stakeholder involvement have global relevance, and I appreciate EFSA's initiative in addressing these topics.

The first meeting of EFSA's new Stakeholder Forum last month identified areas for improvement regarding timely stakeholder engagement, including in the pre-submission phase. Transparency of the risk assessment process could be improved by more detailed explanation of which data and models were used and which were rejected, and why. It was emphasized that data quality depends on scientific criteria, not on the source of funding. Risk communication should be tailored to specific audiences including the general public.

Perhaps most importantly, EFSA and other (inter)governmental organizations should continue to advocate for a major role for science in decision-making. Notwithstanding the importance of 'other legitimate factors', science-based decisions usually provide the best long-term public health outcomes.

*Dr. Nico van Belzen,
IDF Director General*

EXECUTIVE SUMMARY

You will find in this issue the outcome of the **IDF/ISO Analytical Week 2017** as well as an update of the meetings of the **Global Agenda for Sustainable Livestock** and of the **World Assembly of OIE Delegates**. IDF advanced its work on standards at **38th session of Codex Committee on Methods of Analysis and Sampling**, and published a guidance document on **Antimicrobial Resistance** from the dairy sector.

Poster presentations remain open for the **IDF WDS in Belfast 2017**, and IDF is finalizing the draft programme of the first IDF Symposium **The Role of Dairy in Sustainable Diets 2018** in Seville, Spain. We invite you to consult the latest versions of the **joint IDF/ISO Technical Specifications** and volume 2 of **Achieving sustainable production of milk**.

IDF/ISO ANALYTICAL WEEK 2017

130 participants representing 22 countries from all continents recently attended the IDF/ISO Analytical Week in Madison, Wisconsin, US, to work with the 30 Actions Teams and 6 analytical IDF Standing Committees on the progress of the joint IDF/ISO work programme.

The [symposium on “New Approaches to the Safety, Quality and Performance Triangle,”](#) included a brief overview of the US Food Safety Modernization Act (FSMA), as well as why the law was needed and how it impacts the dairy sector. Other presentations addressed food safety challenges and opportunities, and highlighted cutting edge technologies such as the use of big data to balance the triangle of Safety, Quality and Performance.

Participants engaged in fruitful discussions resulting in significant progress on the IDF priority items from the analytical area. The joint standards between AOAC, IDF and ISO on determination of multi-elements by ICP-OES (inductively coupled plasma optical emission spectrometry), multi-elements by ICP-MS (Inductively Coupled Plasma Mass Spectrometry), and determination of chloride in milk products, infant formulas and adult nutritionals are moving forward. The precision data from the collaborative studies will be included, and the IDF and ISO members will be consulted prior to publication which is expected by early 2018. In total, six standards are expected to be published within the coming year. IDF members also finalized several publications on infrared technologies: spectrum standardization, quality assurance practices with new parameters, preparation and associated quality control of recombined milk samples, and these will soon be published in the IDF Bulletin.

In addition, up to six new topics could be proposed by the end of the year, including guidance on sample preparation for cheese, sodium determination in cheese and a methodology for measuring ash in dairy matrices.

Representatives from AOAC International and USP (US Pharmacopeial Convention) attended the week in the frame of IDF cooperation with other international organizations. USP and IDF are considering harmonization of IDF/ISO and USP standards on Non-Protein Nitrogen. IDF will also monitor AOAC work on MCPD/GE (monochloropropanediol and glycidyl) esters, process contaminants, multi-residue antibiotics, and heavy metals. Currently, IDF is also collaborating with ISO on the AOAC Stakeholder Panel on Infant Formula and Adult Nutritionals.

The meetings of the Standing Committees also served as ISO/TC34/SC5 meeting. In parallel, the US National Committee of IDF also hosted the annual meeting of the North American Laboratory Manager Association, which contributed to increased interactions between experts and exhibitors present in Madison.

GLOBAL AGENDA FOR SUSTAINABLE LIVESTOCK (GASL) EVENT

The GASL held its 7th Multi Stakeholder Platform meeting in Addis Ababa, Ethiopia in May 2017. Participants discussed tools, case studies and collaborations related to the contributions made by the livestock sector towards achieving the UN Sustainable Development Goals. The organizers collected feedback from participants in short written notes, similar to tweets. They will provide a summary later.

One of the technical tours of the meeting was to the National Veterinary Institute in Ethiopia, which hosts AU-PANVAC, the Pan-African Vaccine Center. A resounding success of vaccination has been the eradication of rinderpest. In the GASL meeting the plans to eradicate *peste des petit ruminants* (PPR) were discussed. The benefit/cost ratio of PPR eradication was reported to be 34, which underlines the great advantages such eradication would have.

What worked well:
Veterinary vaccine production in Africa addresses both animal health and knowledge-generation needs in the continent



Slide prepared for the feedback from the NVI / AU-PANVAC visit.

In their subsequent meeting, the GASL Guiding Group members (including IDF) agreed to start two new GASL Action Networks.

The first, LAMP (Livestock Anti-Microbial Partnership), aims to achieve prudent use of antimicrobials by focusing on incentives for change, education and training, animal management and livestock husbandry. LAMP will collect, analyse and synthesize good practices from different parts of the various livestock sectors and from different stakeholders. The synthesized good practices will be pilot-tested and shared.

The second, Livestock for Social Development (in which the Global Dairy Platform is involved), aims to make stakeholders aware of the importance of livestock on social development and assess how it can be improved by investments. The initial focus will be on dairy, while other sectors are encouraged to present their proposals.

The Guiding Group members agreed that the next GASL Multi Stakeholder Platform meeting will be in Ulaanbaatar, Mongolia, in 2018.

IDF AT 38TH SESSION OF CODEX COMMITTEE ON METHODS OF ANALYSIS AND SAMPLING (CCMAS)

CCMAS agreed to forward to the Codex Alimentarius Commission the following six methods of analysis as reference methods for infant formula: vitamins B12, C and E, myo-inositol, total fatty acid profile and chromium/molybdenum/selenium. These methods were collaboratively harmonised with AOAC and ISO, which is one of the IDF priority projects for 2017. This important outcome demonstrates the value created by IDF for the global dairy sector through international collaboration with other standards development organizations.

CCMAS also agreed to initiate a new format for Codex standard 234 (the list of Codex-endorsed methods). As part of this work, CCMAS will review and update methods of analysis and sampling plans in standard 234. The Committee gratefully accepted IDF's offer, supported by ISO and AOAC, to lead an update of all the dairy methods. This work would constitute a "test package" of methods. On the basis of the experience gained, the Committee would determine how to proceed with updating other work packages to update STAN 234 at the next session. This work facilitates the access by regulatory authorities globally to an accurate list of Codex-endorsed methods that support the trade of dairy commodities.

CCMAS will revise Guideline 50 on statistical sampling plans and prepare a project document with a clear scope of the work to be undertaken. Considering the importance of robust statistical sampling plans to facilitate global trade in dairy, IDF will support this work by contributing statistical expertise.

The outcomes of this meeting clearly demonstrate how IDF creates value for the global dairy sector by providing scientific and technical expertise to CCMAS.

CCMAS met from 8-12 May 2017 and IDF was represented by Jaap Evers (IDF HO).

PROGRESS ON THE WORK OF THE IDF STANDING COMMITTEE ON ANIMAL HEALTH AND WELFARE (SCAHW)

During their latest meeting, the Members of the IDF SCAHW discussed progress of its Action Teams and other projects.



Adin Shwimmer (IL), Craig Morris (US), Emily Meredith (US), Jaap Boes (DK), Jamie Jonker (US), Olav Østerås (NO), Luc Mirabito (FR), Ylva Persson (SE), Karlien Supré (BE) attended the SCAHW meeting

Among other topics, the Standing Committee discussed the implementation of ISO TS 34700 Animal Welfare Management - General Requirements and Guidance for Organizations in the Food Supply Chain Specification. Dr Craig Morris (US), invited member to the meeting, gave a presentation on how the Agricultural Marketing Service (AMS) is trying to promote the adoption of the ISO TS 34700, and by extension, the OIE chapters in the food chain. Members of the Standing Committee provided feedback on the implementation of this standard in their countries.

IDF is currently working on the update of the IDF Guide to Good Animal Welfare Practices in Dairy Production.

PROGRESS ON THE WORK OF THE IDF TASK FORCE ON ANTIMICROBIAL RESISTANCE (AMR)

The IDF Task Force on AMR finalized the factsheet [Guidance on antimicrobial resistance from the dairy sector](#) reflecting the IDF global position with commentary on specific initiatives by groups in the supply chain. The Task Force has also prepared an internal document that will be reviewed regularly to take into account possible new policies evolving out of national and multilateral strategies for AMR. This IDF Task Force will remain active to serve as the main forum for AMR discussions and consultations within IDF, for instance to provide coordination of IDF input into the Codex AMR Task Force.

DAIRY DECLARATION SIGNATURES



China was the first IDF member country in which the dairy sector endorsed the Dairy Declaration of Rotterdam. Mr. Song Kungang, Honorary Chairman, signed on behalf of China Dairy Industry Association on 27 March 2017.

85TH GENERAL SESSION OF THE WORLD ORGANISATION FOR ANIMAL HEALTH (OIE)

After six days of consultation, 39 Resolutions were adopted by the OIE Delegates including new and amended international standards and guidelines aimed at protecting and improving animal health and welfare. Members of the IDF Standing Committee on Animal Health and Welfare provided science-based comments and proposals on several chapters. During the General Session, the chapter on infection with lumpy skin disease was updated and comprehensively revised to reflect the current disease outbreak situations and provide the appropriate risk management options. A new chapter on the prevention and control of Salmonella in bovine production systems was developed to provide guidance to reduce the burden of disease in these species, as well as the risk of human illness through foodborne contamination and direct or indirect contact with infected animals. A new chapter on infection with *Mycobacterium tuberculosis* was created by merging the two existing chapters on bovine tuberculosis and bovine tuberculosis of farmed cervidae into a single multispecies chapter aimed at managing the human and animal health risks from infection by *M. tuberculosis*. The General Session was also an opportunity to discuss the current animal health situation globally. Particular attention was paid to specific diseases, including peste des petits ruminants, foot and mouth disease and lumpy skin disease.



85th OIE General Session

OIE Members adopted the [first global strategy on animal welfare](#). This strategy is built on experiences and outcomes of regional animal welfare strategies and platforms already implemented across the world, and it aims to provide continuing direction and coordination of OIE's actions to achieve sustained improvements in this field. It will be taken into consideration as IDF experts discuss updating the IDF Guide on Animal Welfare (2008).

Results of a questionnaire on antimicrobial resistance among the 180 OIE Members ([Global action to alleviate the threat of antimicrobial resistance \(AMR\): progress and opportunities for future activities under the 'One Health' initiative](#)) highlighted a change in practices over recent years and the need to capitalize on the progress achieved with the first data collection on antimicrobial use, through the OIE database set up in 2016.

During the General Session, the OIE [Annual Report 2016](#) was presented, and 17 certificates for official disease status recognition were distributed.

Chaired by the President of the OIE, Dr Botlhe Michael Modisane, and the Director General of the OIE, Dr Monique Eloit, the 85th General Session of the World Assembly of OIE Delegates took place from 21 to 26 May 2017 at the *Maison de la Chimie* in Paris. Luc Mirabito (FR) and María Sánchez Mainar (IDF HO) constituted the IDF delegation.

🌊 IDF SUPPORTED THE 17TH WORLD MILK DAY

IDF's vision is helping to nourish the world with safe and sustainable dairy products. The [World Milk Day](#) provides an excellent occasion for highlighting the benefits of milk. IDF collected a variety of initiatives across the globe to gain valuable insights into how the World Milk Day was celebrated on the 1st of June.

[See how IDF Members celebrated the 17th World Milk Day!](#)



Dr Judith Bryans (IDF President, right), Dr Berhe Tekola (FAO, middle) and Mr Donald Moore (GDP, left) share a glass of milk on World Milk Day 2017

🌊 UPCOMING IDF EVENTS

IDF World Dairy Summit 2017, 29 Oct – 3 Nov, Belfast, UK

Poster submissions deadline extension

Due to the high level of interest that the poster submissions have generated for IDFWDS2017, the organizing committee of the IDF World Dairy Summit 2017 has extended the poster submissions deadline to Monday 31st July 2017. Posters are an important part of the 2017 programme, and we encourage our community of scientists and researchers to submit and contribute to the overall discourse of 2017's theme 'Making a Difference with Dairy'.

Please visit our website for further information on the submission and presentation guidelines, along with an overview of the poster key dates.

Register

The IDF World Dairy Summit is the flagship event of the International Dairy Federation attracting between 1.000-1.500 participants from all over the world. Whether you're a dairy CEO, work for a dairy processing company or trade association, are a dairy farmer, an economist, a marketer, a scientist, a technical person or a supplier to the dairy industry the World Dairy Summit has a great deal to offer you.

[Register](#) before the **30th of June 2017** to take advantage of the Early Bird rate.

We look forward to seeing you in Belfast in October.



IDF Event on The Role of Dairy in Sustainable Diets, 1-2 February 2018, Seville, Spain

The dairy sector plays a key role in ensuring food security, nutrition and sustainability for present and future generations. IDF is bringing together the global dairy community to focus on *"The role of dairy in sustainable diets"* in Seville, Spain on 1-2 February 2018. The event will discuss the public perception of dairy, health benefits of dairy, public health nutrition, sustainable diets, mitigation of environmental and socioeconomic impact and adaptation to climate change.

The event is expected to attract at least 200 high-level representatives from dairy companies and other important stakeholders from all over the world. It will be an excellent opportunity to meet these dairy leaders and discuss the future of dairy.

The great city of Sevilla provides a magnificent backdrop to the conference. Its magnificent splendid architecture has been declared world heritage. Sevilla features important cultural and artistic legacy as well as gastronomic delights. Its excellent air and rail systems connect to a multitude of national and international destinations.

Providing scientific and technical expertise for all stakeholders, IDF represents the entire dairy value chain at the global level. IDF's member countries cover 75 % of worldwide milk production and 85% of dairy trade.



IDF/ISO Analytical Week 2018, 23-27 April, Dublin, IE

The IDF/ISO Analytical Week will progress the joint IDF/ISO work programme through the business meetings leading to the publication of ISO/IDF international standards and accompanying protocols. The half day Symposium will tackle harmonization of analytical methodologies in relation to global dairy trade followed by a visit of state-of-the-art regulatory laboratories of the Irish Department of Agriculture, Food & Marine at Backweston, Dublin. This will be complemented by an exhibition of analytical suppliers.



The banner features the logos of the International Dairy Federation (IDF) and the International Organization for Standardization (ISO) on the left. The main text reads "IDF/ISO Analytical Week 2018" in large white letters, with "Dublin 23rd – 27th April, 2018" below it. The background is a green field with several black and white cows grazing.

IDF/ISO Analytical Week 2019, 20-25 June, Prague, Czech Republic



The banner features a scenic view of Prague, Czech Republic, with the Charles Bridge and the city skyline. Logos for ICAR, ISO, and CMSCH are visible at the top. The text reads "ICAR & IDF/ISO CONFERENCE ANALYTICAL WEEK 2019 PRAGUE CZECH REPUBLIC". Below the image, it says "SEE YOU IN THE HEART OF EUROPE!". At the bottom, it lists the dates: "IDF/ISO 2019 20 - 25 June" and "ICAR 2019 24 - 28 June".

The Czech Moravian Breeders' Corporation will host the IDF/ISO Analytical Week 2019 between 20 and 25 June 2019. This week is the occasion for dairy scientists and professionals in the field of methods of analysis to meet and exchange on latest technical and technological findings, and to contribute to the progress of the IDF programme of work, and of publications of IDF/ISO international standards.

The IDF/ISO Analytical Week will also be held in conjunction with the ICAR Conference between 24 and 28 June 2019.

As there are many experts being involved in both IDF/ISO and ICAR working groups, this will offer the chance to save time and travel costs for them. Both overlapping events offer a great possibility for fruitful exchange and mutual participation in meetings with mind-setting discussions.

IDF PUBLICATIONS

Guidance on antimicrobial resistance from the dairy sector



IDF has released a new factsheet - [Guidance on antimicrobial resistance from the dairy sector](#) providing a global dairy position on AMR and giving recommendations for the prudent use of AMR to dairy farmers, veterinarians, food processing companies, pharmaceutical companies and regulators.

Publications of joint ISO Technical Specifications | IDF Reviewed Methods

The following documents were prepared by the IDF Standing Committee on Analytical Methods for Composition and ISO Technical Committee ISO/TC 34, Food products, Subcommittee SC 5, Milk and milk products, by the Action Team on Propionic acid (C25) lead by Philippe Trossat (FR):

- ISO/TS 19046-1|IDF/RM 233-1:2017 Cheese -- Determination of propionic acid level by chromatography -- Part 1: Method by gas chromatography
- ISO/TS 19046-2|IDF/RM 233-2:2017 Cheese -- Determination of propionic acid level by chromatography -- Part 2: Method by ion exchange chromatography

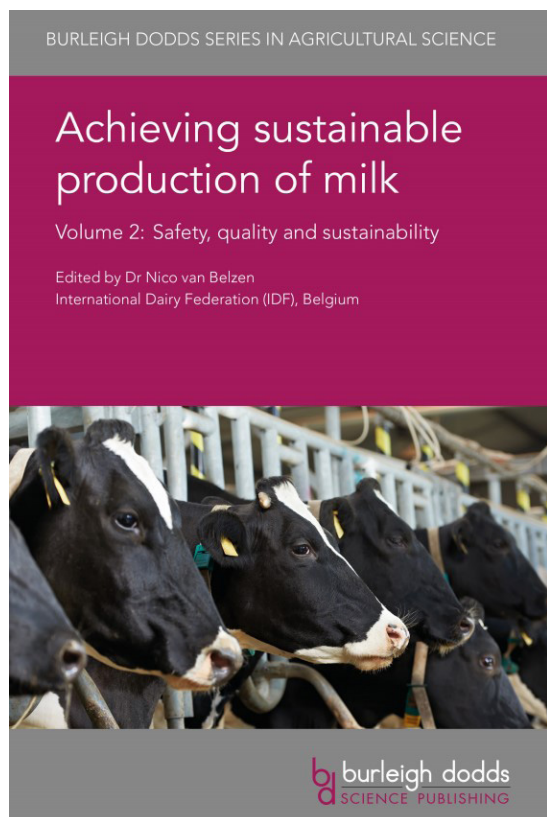
Withdrawal of 2 IDF/ISO standards replaced by ISO standards on microbiology

Following the publication of the following standards by ISO TC34/SC9 on microbiology of the food chain, with involvement of IDF Standing Committee on Harmonization of Microbiological Methods, the two following IDF/ISO standards are now withdrawn from ISO/TC34/SC5 and IDF portfolios:

- ISO/TS 22964|IDF/RM 210 Milk and milk products — Detection of *Enterobacter sakazakii* is withdrawn and replaced by the horizontal standard [ISO 22964 Microbiology of the food chain -- Horizontal method for the detection of *Cronobacter* spp.](#) The scope of the IDF/ISO method has been extended to *Cronobacter* spp. detection in food products for humans and feeding animals and environmental samples and the title changed accordingly;
- ISO 6785 | IDF 093 Milk and Milk products – Detection of Salmonella is now replaced with [ISO 6579 Microbiology of the food chain -- Horizontal method for the detection, enumeration and serotyping of Salmonella -- Part 1: Detection of Salmonella spp.](#)

This document describes a horizontal method for the detection of *Salmonella* spp. in food (including milk and milk products, originally described in ISO 6785|IDF 93), in animal feed, in animal faeces, and in environmental samples from the primary production stage.

Achieving sustainable production of milk Volume 2: Safety, quality and sustainability



Burleigh Dodds Science Publishing has produced a three-volume book series on dairy that contains contributions from the International Dairy Federation (IDF)-affiliated authors and others:

[Achieving sustainable production of milk Volume 1](#) edited by Dr N van Belzen, IDF, Belgium

[Achieving sustainable production of milk Volume 2](#) edited by Dr N van Belzen, IDF, Belgium

[Achieving sustainable production of milk Volume 3](#) edited by Emeritus Prof J Webster, University of Bristol, UK (available shortly)

Two freely available chapter excerpts are:

[Pathogens affecting raw milk from cows](#), Verraes et al. 2017

[Improving smallholder dairy farming in tropical Asia](#), Moran 2017

A full freely available chapter is [Assessing the overall impact of the dairy sector](#), Hill 2017

“As demand for dairy products continues to grow, and with sustainable nutrition and food security at the top of the global agenda, it is imperative that we develop and share the latest knowledge, practices and issues relating to sustainability of dairy chains. With a veritable Who’s Who of dairy expertise and an expert editor in IDF Director General Nico van Belzen, achieving sustainable production of milk will go a long way to achieving this.” Dr Jeremy Hill, past-President IDF and Chief Technology Officer at Fonterra Co-operative Group Ltd.

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International Dairy Federation

Silver Building
70/B, Boulevard Auguste Reyers
1030 Brussels
Tel: +32 2 235 67 40
Fax: +32 2 235 67 41
Email: info@fil-idf.org
www.fil-idf.org

Global Dairy Expertise