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Message from the Director General



The IDF/ISO Analytical Week 2013 took place in Rotterdam, the Netherlands, on 3 – 7 June, featuring the joint IDF/ISO Symposium on 5 June with the theme of 'The Role of Standardization in Trade'. Given the increasing global demand for high quality milk and milk products, standardization is ever more important to ensure food safety, food quality and fairness in international trade.

Collaboration between the international organizations involved in setting standards is essential to ensure harmonization, avoid duplication of work, increase efficiency and simplify matters for the end user.

We were therefore delighted to welcome high-level speakers from ISO, Codex Alimentarius, WTO and the dairy industry, strengthening IDF's relationships with international standardization organizations and demonstrating its representation of the global dairy sector.

While standardization is a voluntary, consensus-driven activity, IDF/ISO standards are often taken as the basis for national and international law. Standards not only play a part in food safety, but also help the food and dairy industry to save energy and costs. For example, standards addressing dry matter content of powders for international shipping play a role in reducing shipped volume and weight, thereby fighting climate change. Furthermore, companies adopting international standards also have a more solid legal footing should any market issues arise. Creating awareness among all relevant stakeholders of the importance of being involved in standard-setting activities is crucial. Broad stakeholder involvement ensures an open and transparent process and also facilitates the implementation of standards.

IDF and ISO have a long history of collaboration through a joint programme of work on methods of analysis and sampling for milk and milk products, as evidenced by another successful Analytical Week.

Dr Nico van Belzen

IDF Director General

PROGRAMME OF WORK - NUTRITION



First International Collaboration to Showcase Latest Body of Evidence of Dairy Health Benefits

Eight dairy organizations from around the world are joining efforts to demonstrate the tangible nutritional benefits of dairy at a symposium on “Maintaining health with nutrient rich diets: The role of dairy in prevention of metabolic syndrome, cardiovascular disease (CVD), obesity and sarcopenia.”

Organized in conjunction with the 20th International Union of Nutritional Science (IUNS) Congress of Nutrition, taking place in Granada, Spain on Thursday 19 September (17:00-19:00), the Symposium will present updates on recent studies demonstrating four different yet major health benefits of dairy products. The Symposium features four presentations by leading experts: “Dairy’s rich nutrient package” by Prof. Connie Weaver, “Dairy, metabolic syndrome and blood pressure, evidence from the MONICA Study” by Prof. Vanina Bongard, “The relationship between high-fat dairy and obesity, cardiovascular, and metabolic disease” by Prof. Mario Kratz and “Dairy protein and muscle mass maintenance in the elderly: preventing sarcopenia” by Prof. Luc van Loon.

Full programme details, plus speaker biographies and abstracts are available online on the [IDF Dairy Nutrition Website](#).

Standing Committee on Nutrition and Health Meeting, 21 May, Utrecht, The Netherlands

Action Team on Protein

The Action Team compiled and analyzed the papers published in the British Journal of Nutrition (BJN) that formed the background material for the FAO Expert Consultation on Dietary Protein Quality Evaluation in Human Nutrition. This analysis, which enhances understanding of the science behind the conclusions of the FAO report, will be used to produce a technical factsheet.

The FAO report supports the implementation of a new method of protein quality measurement, Digestible Indispensable Amino Acid Score (DIAAS). Further research is necessary to validate the method, and it was decided that the SCNH would take on an advisory role. It was also suggested that the SCNH could envisage liaising with FAO to demonstrate the results of the research in order to progress the implementation of the DIAAS method.

Action Team on Dairy Nutrition and Environmental Sustainability

The internal resource paper produced by IDF and the Global Dairy Platform (GDP), “Sustainable Dairy Nutrients Are Essential to Human Health,” is currently being reviewed, and updates will be presented at the IDF World Dairy Summit in Yokohama. The chapters on Environment and Dairy Nutrition & Sustainability, among others, will be expanded, with the latter providing further scientific information on the role dairy can play in a sustainable diet. The key messages will also be updated.

Action Team on Fats & Oils

The review on Trans Fatty Acids (TFAs) entitled “Current issues surrounding the definition of trans-fatty acids: implications for health, industry and food labels”, written by Y Wang and S Proctor and commissioned by IDF was accepted by the BJN. This was drafted in order to have a scientific report containing the latest evidence on the role of TFAs and Conjugated Linoleic Acids (CLAs) in health, to be used at the next Codex Committee on Nutrition and Foods with Special Dietary Uses (CCNFSDU) meeting, where the definition of TFAs will be discussed.

IDF National Committees will receive a printed copy of the review, as well as key messages.

Action Team on Vitamin K2 in Fermented Dairy Products

The review of Vitamin K2, entitled “Menaquinones, bacteria, and the food supply; the relevance of dairy and fermented food products to vitamin K requirements” has been accepted by Advances in Nutrition and will be published in July. Vitamin K2 is a natural vitamin in dairy products and the Review demonstrates that dairy contains nutrients other than calcium that could play an important role in addressing bone health conditions.

Next meeting: In Yokohama (JP) on Sunday 27 October 2013

RELATIONS WITH INTERNATIONAL ORGANIZATIONS - CODEX

41st Session of the Codex Committee on Food Labelling (CCFL), Charlottetown, Canada, 14-17 May 2013

The IDF delegation contributed to discussions on several important topics relating to dairy, including:

- The **proposed draft standard on Non-fermented soybean products**: The IDF delegation reminded the delegates that the term 'milk' has been defined by Codex Standards, namely the Codex General Standards of Use of Dairy Terms (GSUDT), and expressed concern that the use of the term 'soybean milk' should not mislead the consumer. As a result of Codex member countries expressing similar viewpoints, CCFL did not endorse the labelling section of the draft standard.
- The claim concerning **Non-addition of Sodium Salts**: a proposal was made to further restrict the use of sodium salts other than sodium chloride for technical purposes from 0.12g per 100g ('low in sodium') to 0.005g per 100g ('free of sodium'), meaning dairy products (which naturally contain sodium) would not meet the conditions. IDF recommended that lowering the conditions would be too restrictive and provided examples of the addition of sodium salts other than sodium chloride for technical purposes. These examples contributed to delegates agreeing to maintain a footnote exempting sodium salt additions for technological purposes from the claim – a more favourable outcome for the dairy industry.
- Conditions for a **Trans Fatty Acids (TFAs) free claim**: While CCFL agreed to move forward with establishing such a claim, this will not be until analytical methods for TFAs, as the one currently being developed by IDF and ISO, are available. IDF is taking a leading role in the development of this method, and it is important for IDF to monitor the progress of this claim, as dairy products inherently contain natural TFAs.

Next session: the next meeting will take place in approximately 18 months time in Canada.

More information and other items discussed at the CCFL session can be found in the [IDF observer's report for CCFL 2013](#) on the Intranet: International Organizations -> Codex.



IDF delegation to CCFL: Isabelle Neiderer (CA), Helen Mair (AU) Carry Frye (US - Head of IDF Delegation), Laurence Rycken (IDF)

RELATIONS WITH INTERNATIONAL ORGANIZATIONS - GDP

Meeting of the GDP Communications and Scientific Advisory Board, Deauville (FR), 14 & 15 May 2013

The key objective of the meeting was to gain insight into specific actions that GDP can take to advance dairy's position as a vital component of a sustainable diet.

It was agreed that GDP will focus its work in regard to positioning dairy in the context of sustainable diets (ref. FAO definition) GDP will continue to focus work on strengthening the communication efforts.

Regarding the most recently published FAO report on Dietary Protein Quality Evaluation:

- An upcoming “Protein Summit” in Washington, D.C. (USA), 2-3 October 2013, will review scientifically valid approaches to defining optimal amount of protein needed to improve public health, and to identify effective strategies and practical approaches to translating protein science in dietary guidance that can help improve public health. GDP and DMI are providing partial funding for this meeting.
- It is critically important to define the experimental protocol to enable the development of a more robust data set of the true ileal amino acid digestibility of human foods. This is needed prior to agreement upon an assessment method.
- The meeting agreed that the impact of the new protein evaluation method DIAAS was not/should not be limited to regulatory implementation, which is one of the long term objectives. Food aid programmes may look for selecting superior protein quality sources and hence, also benefit a great deal from DIAAS.
- GDP will sponsor the development of a white paper on how PDCAAS is used and what advantage the implementation of DIAAS will bring. This will include calculation of DIAAS / PDCAAS scores and communication of results of economic analysis. The objective is to demonstrate the economic benefits of DIAAS.

The meeting reconfirmed the critical importance of close collaboration between GDP and IDF, especially in identifying and working with other potential ally industries in favour of the new DIAAS method for dietary protein quality evaluation and for the alignment of communications to dairy stakeholders and beyond.

Meeting participants (l-r): Prof. Tom Sanders, Kings College London, Dr. Joop Kleibeuker, EDA, Jörg Seifert, IDF, Rob Beudeker, DSM Nutritional Products, Dr. Cindy Schweitzer GDP, Dr. Greg Miller, DMI, Prof. Arne Astrup, University of Copenhagen, Donald Moore, GDP, Michel Nalet, Lactalis and President of the EDA, Jerreau Beaudoin, GDP, Roger Hall, Fonterra, Jean-Marc Delort, Nestlé



RELATIONS WITH INTERNATIONAL ORGANIZATIONS - OIE

81st General Session of the OIE (World Organisation for Animal Health), Paris (FR), 26-29 May 2013

IDF participated in the 81st General Session of the OIE (World Organisation for Animal Health) from 26-29 May 2013 in Paris (FR). OIE members adopted a new chapter on rinderpest which confirms its global eradication in animals and describes measures to be taken in case of virus release from laboratories. The OIE code on responsible and prudent use of antimicrobial agents was updated, including adoption of a list of antimicrobials of veterinary importance. Peste des petits ruminants (PPR) and classical swine fever (CSF) were added to the list of diseases for which Member Countries can apply for official recognition of their disease free status.

Priority areas to develop new technology identified in an OIE member survey included molecular epidemiology and DNA tests, risk assessment methodology, high potency vaccines and DIVA (Differentiating Infected from Vaccinated Animals) vaccines. Members expressed a need for guidance on the movement and export of vaccinated animals and products derived from them, as well as guidance for “vaccinate to live” policy.

Dr Nico van Belzen presented IDF’s work on animal health and welfare including the priorities for the coming year, including:

- Providing input to the OIE draft for animal welfare in dairy production
- ISO work on animal welfare standards
- Guidelines for the use and interpretation of milk somatic cell counts

He also invited OIE members to the 2013 IDF World Dairy Summit in Yokohama (JP), which will include sessions on animal health and welfare with keynote speakers from OIE.

Having adopted in SG81 criteria for broiler welfare as well as revisions of the chapter on beef cattle, OIE will now fully concentrate on dairy cattle welfare; the draft of which was discussed at a meeting of the IDF SCAHW on 17th June in Paris (FR).

COMMUNICATIONS UPDATE

World Milk Day - 1 June 2013

World Milk Day is celebrated around the world every year on or around 1 June. This day provides an important opportunity to promote the benefits of drinking milk, and to publicize the activities of the milk industry as a whole.

To celebrate, IDF launched a new '[Promotion](#)' section on the [Nutrition website](#).

Here we will showcase activities and campaigns taking place around the world to spread the word about the nutrition and health benefits of milk and milk products.



If you would like to see your country's activities included, please do not hesitate to [get in touch](#).



New Factsheet: Protein Determination

Provided by the IDF Standing Committee on Analytical Methods for Composition (IDF SCAMC)

Protein is one of the main constituents of milk along with fat, lactose and water, and this factsheet provides information on three types of methods for the determination of proteins in milk:

1. Determination of total nitrogen
2. Direct protein determination
3. Indirect protein determination

Please note that this factsheet has been revised, and the updated version is available on the [Intranet](#): Communications -> Factsheets.

Reminder: New IDF Head Office telephone and fax number

We are switching our general contact telephone and fax numbers. Please update your contacts accordingly:

New telephone number: +32 2 325 67 40

New fax number: +32 2 325 67 41

IDF EVENTS

IDF/ISO Analytical Week 2013



Around 200 participants, representing 24 countries, gathered in Rotterdam (NL) for the annual IDF/ISO Analytical Week. Combining strengths, sharing resources, and eliminating duplication in order to achieve better outcomes are the guiding principles of the analytical work and are reflected throughout this week in particular.

Discussion highlights included the progress on the IDF/ISO project on determination of fatty acids in dairy products and infant formula, the first project under the collaboration with AOAC on infant formula and adult nutritionals. Another important outcome was the progress made on the enumeration of lactic acid bacteria in starter cultures used in fermented milk products. After successful pre-study trials, a full collaborative study is due to begin in the third quarter of 2013.

A number of IDF projects were also drawn to a conclusion. Work was completed on two articles for the IDF Bulletin on "Detection of Inhibitors & Antibiotic Residues in Milk and Milk Products by Screening Methods", presenting various ways to prepare dairy products to obtain test portion applicable to most available screening method to detect antibiotic residues, and on "Detecting Antibiotic Residues in Milk: Guidance on the Application of Screening and Confirmatory Methods in Integrated Dairy Chain Management" describing a pragmatic way to implement the testing of antibiotic residues along the dairy chain.

During a one-day symposium that took place on 5 June, high-level speakers addressed 'The Role of Standardization in Trade' demonstrating the contribution of standards to food safety, food quality and fairness in international trade. The key take away message from the day is that collaboration between standard setting organizations is a must to achieve global harmonization, as well as the need to promote stakeholder involvement around the world to ensure an open and transparent process and also facilitate the implementation of standards.

The next IDF/ISO Analytical Week (15-20 May 2014) will be hosted in Berlin (DE) by the German Cattle Breeders Federation and will be organized in conjunction with Interbull and ICAR.

For full details about this year's programme and to download presentations, please visit the event [website](#).

 IDF WORLD DAIRY SUMMIT 2013



Children and Milk Conference

According to the State of Food Insecurity in the World 2012 (FAO), despite global economic growth and improvements in food technology, more than 100 million children under the age of five remain underweight, which not only results in more than 2.5 million children dying every year due to malnutrition, but also has negative socio-economics effects resulting in decreased educational opportunities. This conference will deal with ways the dairy sector can contribute to children's health, nutrition and education. New research and survey results will illustrate the benefits that milk provides to children. This conference is organized by both the SCN and the SCM.

Session 1 will present 'Children's nutrition and health' which presents scientific evidence to support the positive effects of milk and dairy products consumption on children's health and nutrition. Session 2 'School Milk programmes around the world – a global overview and country cases' will focus on the positive influence of school milk on children's health and nutrition including case studies of school milk programmes from different countries around the world. And Session 3, 'Beyond nutrition - Rediscovering milk and dairy at school' will offer presentations on innovative in-school activities aimed at rediscovering the benefits of dairy and increasing milk consumption.

The Children and Milk Conference will take place on October 30, 2013, during the IDF World Dairy Summit in Yokohama, Japan.

Click here to register for the Summit online: <http://www.wds2013.com/eng/registration.html>

Standard Registration deadline: 10 September 2013

Late Registration deadline: 15 October 2013

 IDF International Symposium on Sheep, Goat and other non-Cow Milk

The dates for the next IDF International Symposium on Sheep, Goat and other non-Cow Milk in Limassol (CY) have now been confirmed: 23-25 March 2015

NATIONAL COMMITTEES

FIL-IDF Canada and STELA Innovation and Dairy Outlook symposium

Demonstrating their commitment to providing a strong science base for the Canadian dairy sector, FIL-IDF Canada and STELA (Centre de recherche en sciences et technologie du lait) jointly organized the Innovation and Dairy Outlook symposium from 13-16 May in Montreal, CA. The meeting covered many aspects of the dairy sector, from the origins of dairying and its effects on the human genome to key trends in the health and nutrition markets, challenges in product innovation and communication to consumers. Dairy components of different sizes were discussed, ranging from salt in cheese, antimicrobial peptides, beta-lactoglobulin structure and its ability to carry active compounds like folic acid, the use of phages to control *Staphylococcus aureus* and probiotics encapsulation. Economical aspects were addressed by presentations on the IDF World Dairy Situation Report, trade negotiations and valorization of lactose permeate and buttermilk. The presentations can be found [here](#).

Key challenges for the sector are dairy's positioning within a healthy, sustainable diet. This requires investment in research, e.g. the different effects of specific saturated fats on cardiovascular disease and life cycle analysis of dairy products. It also requires combining the results from different fields, such as comparison of nutrient density with environmental impact, where milk performs much better than other beverages. It is very important to communicate these scientific results to relevant audiences such as intergovernmental organizations that establish food regulations, and IDF is well positioned to do so.

IDF PUBLICATIONS

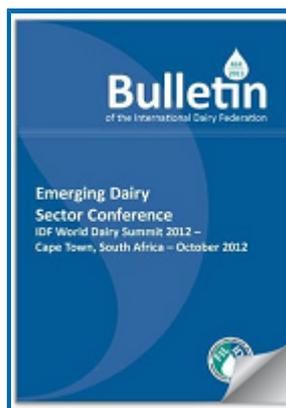
Bulletin of the IDF N° 464/2013

This publication comprises two papers presented at the Emerging Dairy Sector Conference during the IDF World Dairy Summit in Cape Town, South Africa in October 2012:

"Dairy: nutritional value for money for South African consumers"

F. Wenhold, C. Leighton

The affordability of dairy is analyzed in terms of nutritional value for money of five selected dairy foods and twelve foods typically chosen by low-income urban consumers in South Africa. The findings show that dairy can supply the shortfall micronutrients, especially calcium, but also protein and vitamins B2 and B12, at a reasonable cost.



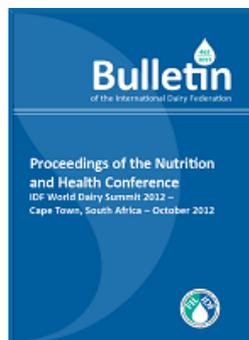
"The benefits of animal welfare for farmers and the environment in emerging economies"

L. Lambert, M. Appleby, S. Parente

This paper describes how attention to animal welfare in terms of health, housing, hygiene and nutrition can bring profound benefits to dairy producers.

Available free of charge from the [IDF Catalogue](#)

Proceedings of the Nutrition and Health Conference: IDF World Dairy Summit 2012 – Cape Town, South Africa – October 2012



This IDF Bulletin comprises six papers and one poster presented at the Nutrition and Health Conference during the IDF World Dairy Summit, Cape Town, in October 2012.

Presentations:

"Dairy's role in sustainable diets", by H. C. Schönfeldt, N. Hall and B. Pretorius

"The DASH diet: a diet with a focus on dairy", by Catherine M. Champagne

"The benefits of milk and dairy consumption: addressing misconceptions about dairy and vascular disease", by Peter C. Elwood, Janet E. Pickering, Katherine Livingstone and Ian Givens

"Can consumption of milk and milk products be an aid to body weight regulation?", by Anestis Dougkas, Christopher K. Reynolds and D. Ian Givens

"Dairy components in therapeutic foods for malnutrition result in improved clinical outcomes", by Ellen Murray and Mark Manary

"Dairy protein and muscle maintenance in the elderly", by Luc J.C. van Loon

Paper presented:

"Metabolic effect of milk and fermented milk on parathyroid hormone response and bone metabolism", by Beulah Pretorius and Hettie C Schönfeldt.

Paper: 60.00

Electronic: 55.00

Available to purchase from the [IDF Catalogue](#)



ISO 16297/IDF 161:2013 - Milk - Bacterial count - Protocol for the Evaluation of Alternative Methods

This International Standard gives guidelines for the evaluation of instrumental alternative methods for total bacterial count in raw milk from animals of different species.

NOTE: The document is considered complementary to ISO 16140 and ISO 8196 | IDF 128

Paper: 65.00

Electronic: 65.00

Available to purchase from the [IDF Catalogue](#)



International Dairy Federation

Silver Building
70/B, Boulevard Auguste Reyers
1030 Brussels
Belgium

Tel : +32 2 325 67 40
Fax : +32 2 325 67 41
E-mail : info@fil-idf.org
www.fil-idf.org

Global Dairy Expertise