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## Message from the Director General

### Exploring partnership opportunities for the benefit of the dairy community



As the leading worldwide organization in the dairy sector, IDF is involved in numerous fields of activity and projects on current issues of interest to the industry. IDF's ambition is to present the dairy sector with relevant, value-added and impactful results in a timely manner.

IDF's performance can be boosted by additional funding for the development of key activities as well as an optimized exploitation of achievements to better support the industry. Nowadays, IDF offers outstanding opportunities for organizations to strengthen partnerships and take an active part in IDF events, specific projects, IDF publications and others, thus enabling them to reach out the worldwide dairy community.

Additional funding will allow IDF to accelerate priority projects, enhance and optimize services to IDF's members, and extend the influence of the dairy sector globally.

We would be more than happy to provide more information regarding the many opportunities to get your organization or company involved in IDF activities and thus contribute to IDF strategic achievements and new success stories in dairying.

Contact: [Christian Robert](#), IDF Director General

## Success Story

### IDF and FAO agree to expand partnership and collaboration in priority areas

As an outcome of meetings of the IDF Technical Director with leading FAO staff officers in Rome on 1 and 2 December 2009 it was agreed to strengthen partnership and collaboration in key areas of priority to the world dairy sector:

#### **Animal Health & Animal Welfare**

FAO will continue its active involvement with the IDF Standing Committee on Animal Health (SCAH) including proposed new work on emerging animal diseases. FAO will also participate with the new IDF SCAH Action Team on Animal Welfare.

#### **Dairy Farming**

FAO will continue its active involvement with the IDF Standing Committee on Farm Management (SCFM). It was agreed that FAO will officially collaborate with the up-coming new IDF work on revision of the IDF/FAO Guide to Good Dairy Farming Practice (2004) including addition of new principles and practices relating to economic and social sustainability. FAO will also participate in the up-coming new IDF work on a Guide to Hygienic Practices at Farm Level and in Milk Production, which is seen as a possible joint IDF/FAO contribution to the capacity building programmes for emerging dairy nations.

#### **Environment**

Close and successful IDF/FAO collaboration has been established in the field of Life Cycle Analysis and Carbon Footprint in the Dairy Chain in the course of 2009. The on-going FAO project titled: "Greenhouse Gas Emissions from Animal Food Chains - Global Dairy and Greenhouse Gases" that is sponsored from the IDF sustainability fund will deliver a draft report, including a reference figure for global greenhouse gas emissions from dairy livestock, for review and comment by IDF members and experts prior to publication that is foreseen in early 2010. FAO is already actively involved with the IDF Action Team on Life Cycle Analysis/Life Cycle Management and Carbon Footprinting in the Dairy Sector of the IDF Standing Committee on Environment. FAO and IDF will collaborate on a possible next future topic in regard to optimizing the use of water in dairying.

#### **Nutrition**

FAO has requested IDF to provide input to the revision of the FAO report on Milk and Milk Products in Human Nutrition. IDF has identified experts and authors to take the lead in drafting chapters of the book and to contribute through review of identified chapters.

#### **Dairy Policies and Economics**

FAO will strengthen its active involvement with the IDF Standing Committee on Dairy Policies and Economics (SCDPE) including collaboration on the next editions of the annual "IDF World Dairy Situation".

#### **Events**

A senior regional FAO officer will participate at the IDF World Dairy Summit in Auckland (NZ) in November 2010. FAO will also support the up-coming IDF International Symposium on Sheep and Goats Milk, Athens (GR) in May 2011 by provision of a keynote speaker and by engaging in active promotion for the event, in particular in regard to attracting scientists and experts from Northern Africa and the Near East. A higher level of FAO collaboration with the IDF World Dairy Summit 2011, Florence (IT) in October 2011 is currently being discussed with the Organizing Committee of FIL-IDF Italy.

## **Emerging issues : nanotechnology**

As a follow-up to a joint FAO/WHO Expert Meeting on the *Application of Nanotechnologies in the Food and Agriculture Sectors: Potential Food Safety Implications* in June 2009 FAO will host a topic-related conference in Brazil in June 2010. IDF will be invited to explore the relevance of this up-coming new field of FAO activity for the dairy sector including possible future IDF/FAO collaboration.

Contact: [Joerg Seifert](#), IDF Technical Director

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## **Programme of Work – Update on key projects**

### **Dairy Science and Technology**

#### **SCNH/SCDST joint work on carbohydrates including a focus on lactose**

A possibility for publication in the International Dairy Journal was proposed either as a special issue or as, most likely, a supplement, depending on the journal's publication planning.

#### **IDF World Dairy Summit Auckland (NZ), 4-11 November 2010 – Dairy science and technology conference – [www.wds2010.com](http://www.wds2010.com)**

The programme of the conference relating to DST to be held at the IDF World Dairy Summit was presented. A request was made to the organizers to make sure to have an open session with contributed papers.

#### **IDF International Symposium on Cheese Ripening and Technology/IDF Dairy Science and Technology Week 2012, Madison, Wisconsin (USA), 20-24 May 2012**

The organizers have selected the venue and hired the services of a Professional Conference Organizer. The Programme Committee will start the programming in early 2010.

#### **Brainstorming session - development of concept of IDF DST webinars**

The aim of the brainstorming session is to focus the work of the SCDST on topical scientific items. Needs and technical possibilities regarding webinars will be investigated between the IDF Head Office and the Action Team.

#### **IDF/INRA International Symposium on Spray Dried Dairy Products, France, June 2012**

The proposed event was presented and highlighted the benefit of having a joint IDF/INRA International Symposium on spray drying products. The SCDST endorsed the event, which was further approved by the SPCC.

#### **Next IDF International Symposium on Recombination in 2011**

The SCDST recommends that recombination to be tackled during the conference on DST at the IDF WDS in South Africa in 2012.

#### **IDF Symposium on Non-thermal processes**

The SCDST is suggesting to the organizers of the IDF World Dairy Summit 2011, Italy, to have one day with open session, and one day conference on non-thermal processes.

#### **Possible IDF Event related to a whey/permeate topic from a milk ingredients perspective**

The IDF National Committee of Brazil had indicated interest in hosting an IDF event, especially on whey. Therefore, the SCDST would suggest to hold a conference on whey permeate in Brazil in the second half of 2011.

## Preparation of fact sheets for IDF website

The SCDST has held a small brainstorming session in order to prepare fact sheets for the IDF website, and will work on topics such as processing milk, the structure of milk fat, cheese ripening and cheese variety.

## Election of Chair and Deputy Chair

The present Chair and Deputy Chair were unanimously reelected.

## Next meeting

The next meeting will be in Tromsø, Norway, on 6 June 2010. There will also be a meeting prior to the IDF WDS Auckland in November 2010.

Contact: [Aurélie Dubois](#), IDF Standards Officer

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## Marketing

Besides the regular business items, the SC Marketing is dealing with the following subjects:

- The return of school milk opportunities and issues to the program of work
- The conference planning for WDS Auckland 2010
- The conference planning for WDS Florence 2011
- The development of sponsorship proposals that will lead to the reintroduction of the IDF Marketing Awards beginning in 2010
- The development of program topics for the next meeting of the SCM and its Action Team (International Milk Promotion Group) to be held in Canada in May, 2010

The SCM also follows the work of the Global Dairy Platform. At the last SC meeting, Kevin Bellamy (GDP) presented the platform's intention to advance dairy industry knowledge and communication around the critical subjects of milk fat, sustainability and nutrient density. The SCM members shared the view that these subjects will require support from both generic and brand communication sources in the future as a means of promoting and protecting the global dairy industry.

Two of these three critical subjects were, in fact, the topics of the Berlin WDS2009 Conference No10, where nutrient density and sustainability received thorough coverage by experts in the areas of strategic market planning, communications, dairy food processing, and food retailing.

Mr. George Davey (AU) was recognized at the SCM by Christian Robert, IDF Director General, for his contributions to IDF.

Contact: [Ian MacDonald](#), Chair of the SC Marketing

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## Microbiological Hygiene

### Use of the Lactoperoxidase System

The Codex Alimentarius Commission recently agreed to lift the current restriction on the use of the Lactoperoxidase system and to amend a footnote in Appendix A of the Code of Hygienic Practice for Milk and Milk Products, referring to mutual agreement between trading countries concerned. Therefore the SCM<sup>H</sup> agreed to develop a technical paper about the lactoperoxidase system and alternative solutions, which

could be used later for a potential revision of the Codex Guidelines for the Preservation of Raw Milk by Use of the Lactoperoxidase System.

## **Design of microbiological control systems in dairy production**

The SCMH agreed to publish a monograph on “Practical application and implementation of the new matrix for microbiological risk hazard in dairy food chain”, as a follow up to the conferences on Food safety, and to the publication of the Bulletin of the IDF No. 392/2004 - Food Safety Objective (FSO) & Performance Objective (PO).

## **Surveillance of relevant information and reporting of emerging hazards associated with milk and milk products**

Several reports from European food safety agencies demonstrated the non-incidence between *Mycobacterium paratuberculosis* and Crohn's disease. The proceedings of the 2nd IDF Forum on paratuberculosis held in Minneapolis (US) in August 2009 have been published in the IDF Bulletin n°441.

## **Codex related work**

The SCMH agreed that IDF should monitor the Codex work on Code of Ethics, and participate in the work of the CCFH on Draft Risk Analysis Principles And Procedures of the CCFH.

## **Significance of Shiga-toxigenic Escherichia coli in dairy production**

The New Work Item was accepted by IDF National Committees, and the Action Team was formed. A first meeting was held in Berlin for those present. The SCMH discussed the purpose of the work and agreed to add the food chain perspective, use of vaccine and probiotics.

## **Fact sheets for IDF website**

The SCMH agreed to draft fact sheets for the IDF website on: “*Why are dairy products safe?*” and on “*Shelf life of dairy products*”.

Contact: [Aurélie Dubois](#), IDF Standards Officer

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## **Residues and Chemical Contaminants**

### **Meeting of Codex Committee on Contaminants in Foods (CCCF), April 2009**

Item of particular interest for IDF was the proposal of new work on “draft maximum levels for melamine in food and feed” with the aim of establishing maximum levels for melamine resulting from non-intentional and unavoidable presence from different sources: IDF is part of this electronic working group.

### **Integrated control of veterinary drugs in the dairy chain**

The AT will produce a draft guide for the prudent use of veterinary drugs in line with the IDF Guide to Good Animal Welfare in Dairy Production, to be circulated to SCRCC and SCAMAC for comments.

### **Confirmation of screening tests – link with analytical methods**

The SCAMAC was seeking guidance on how best to use the results obtained from their work done on screening methods and confirmatory testing methodology. The SCAMAC will be invited to comment on the draft Guide to Prudent Use of Veterinary Drugs.

## **Promoting the development of integrated chain management (ICM) for food safety in the dairy production chain**

The inventory of methods and procedures to monitor the integrity of supplier's milk is intended to be a case study of the principles underlying ICM. The document could be published in the same IDF Bulletin with the paper previously discussed in the SCRCC on integrated chain management for food safety in the dairy production chain.

## **Review of objectives and current priorities of the SCRCC for 2009/2010**

A discussion paper on the future work and priorities of the SCRCC was presented at the meeting. An Action Team will propose using a risk profiling/integrated chain management approach in the next year to define the key issues that the SC should deal with.

## **Identification of communication opportunities**

In reply to the SPCC request to prepare fact sheets on topical items of interest to the public for the IDF website, the SCRCC members agreed to work on mycotoxins, antibiotics and dioxins.

## **Election of Chair and Deputy Chair**

K Duhem (FR) was elected as the new chair of the SCRCC. No candidate for deputy chair was nominated, so this position will remain open and candidates sought for election at the next meeting.

Contact: [Aurélie Dubois](#), IDF Standards Officer

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## **Environment**

### **IDF SCENV liaisons with other international organizations**

#### **Food and Agriculture Organization of the United Nations (FAO) project on Quantifying greenhouse gas emissions from animal food chains**

A brief presentation of the project to date was given including the goal of the project, the system delimitation, the emission factors, the allocation criteria, the methodological definition for land use and land-use change, the Data Management and Modeling Approach, the data sources and establishment of a database, and the next steps.

#### **SAI Platform Dairy Group including Global Dairy Agenda for Action – Climate Change and SAI workshop during IDF WDS Berlin**

SAI is involved in the global statement from dairy industry, to be signed by 7 dairy organizations: IDF, SAI, GDP, ESADA, FEPAL, IFAP, EDA, about acting responsibly with respect to the environment, supported by evidence called the green paper. A website has also been launched: [www.dairy-sustainability-initiative.org](http://www.dairy-sustainability-initiative.org). The activities of the SAI dairy platform were detailed in a workshop after the declaration

#### **ISO/TC 207 and its subcommittees**

The IDF successfully applied for formal status of IDF at the ISO Technical Committee 207 - Environmental Management (ISO/TC 207) and its subcommittees. IDF has made a first submission to ISO/TC 207/SC7 on a new ISO draft standard on Carbon Footprint of Products – Quantification, under development

in May 2009. The ISO draft standard has been circulated for comments in order to provide a second IDF submission within the required timescales.

### **Environmental issues at farm level**

The comments received on the final version of the paper from IDF National Committees were discussed at the meeting of the Action Team for incorporation prior to publication.

### **Effluent treatment and Removal of salts**

The Action Team is preparing two fact sheets that should be completed by end of the year.

### **Dust emissions from dairy plants**

Following a presentation made at the IDF WDS Berlin 2009 conference on Sustainability and Environment (session D), the final paper will be published in the course of 2010.

### **Life Cycle Analysis/Life Cycle Management and Carbon Footprint in the Dairy Sector**

The goal is to define and agree on a common methodology, among industry players and academics, and to publish an IDF position paper on a standard C footprint methodology for dairy products.

So far, agreement has been found on the goal and scope, the Functional Unit, system borders, key parameters, emission factors and uncertainty. More work is needed on land use, C storage, capital inclusion, and allocation choices. Draft papers on each key issue are being discussed by the Action Team. It is expected that the draft document will be ready to be distributed to IDF National Committees in December 2009 for review and feedback.

### **IDF World Dairy Summit Auckland (NZ), 4-11 November 2010 – Conference on environment**

The Environment conference of the next IDF World Dairy Summit, Auckland, New Zealand 4-11 November 2010, is scheduled on the Thursday 11 November. An Action Team will contribute to identifying speakers for the conference, including a follow up of the declaration.

### **Preparation of fact sheets for IDF website/new IDF sustainability website.**

The SCENV has identified possible topics to be used to prepare 2 to 3 fact sheets for the IDF website as request by the SPCC. In fact, two fact sheets were already made available during the World Dairy Summit 2009.

The Action Team on communication will discuss the next topics to be developed.

### **Review of objectives and current priorities of the SCENV for 2009/2010**

The SCENV members present at the meeting suggested significant changes in the objectives of the Standing Committee. The SCENV members are invited to comment. The priorities of the SCENV were confirmed.

### **Elections of Chair and Deputy Chair**

The first term of office for the present Chair and Deputy Chair was coming to an end. Both were unanimously reelected.

Contact: [Aurélie Dubois](#), IDF Standards Officer

## Awards

### IDF Elie Metchnikoff Prize 2010: Dairy industry celebrates groundbreaking scientific discoveries in the field of fermented milk for nutrition and health

IDF has launched the IDF Elie Metchnikoff Prize 2010 as a joint initiative in partnership with the *Institut Pasteur* and the *International Scientific Association for Probiotics and Prebiotics (ISAPP)*.

The IDF Elie Metchnikoff Prize illustrates increasing research and development initiatives in the field of fermented milks as a very dynamic branch of the dairy industry for improving nutrition and health worldwide. IDF and its partner organizations have attracted distinguished professors and world famous scientists Gerald W. Tannock (NZ), Gregor Reid (CA), Jim Versalovic (US), Michiel Kleerebezem (NL) and Liping Zhao (CN) to serve on the Scientific Expert Jury that will select the winners. The Award Committee is chaired by Mr. Luc Morelon of Group Lactalis (FR) and President of YLFA International.

IDF invites you to take part in a memorable award ceremony in the company of the world's best scientists and leading players from the dairy industry in the market of fermented milk and probiotics. It will be held on the occasion of the forthcoming IDF Symposium on Science and Technology of Fermented Milk in Tromsø, Norway, 7–9 June 2010: <http://www.idfmic2010.no/page?id=1759>

The first edition of the IDF Elie Metchnikoff Prize in 2007 was a great success with IDF having received 31 submissions from scientists from 17 countries competing for the award in three categories: microbiology, biotechnology and nutrition and health.

The IDF Elie Metchnikoff Prize 2010 has been established with sponsorship support from Yakult, Nestlé, Danone Research, Mead Johnson, DSM Food Specialties, Chr. Hansen, Danisco and the California Dairy Research Foundation.

For more information, visit [www.IDFElieMetchnikoff-Prize2010.com](http://www.IDFElieMetchnikoff-Prize2010.com)

Contact: [Joerg Seifert](mailto:joerg.seifert@idf.ch), IDF Technical Director



## Promotion of IDF

### Zambia

Christian Robert, IDF Director General participated in the ZNFU Dairy Commodity Annual General Meeting on 13 and 14 October 2009.

Contact: [Christian Robert](mailto:christian.robert@idf.ch), IDF Director General



Participants of the Congress of the Farmers Union Conference in Lusaka, Zambia.

## Liaison With International Organizations

### 30th Session of the Codex Committee on Nutrition and Foods for Special Dietary Uses (CCNFSDU), Düsseldorf, Germany, 2-6 November 2009

IDF was represented by Isabelle Neiderer (CA), Eric Grande (FR) and Sandra Tuijtelaars (IDF HO). The following items of high importance for the dairy sector were discussed:

#### Matters of interest arising from WHO and FAO

WHO and FAO announce the following initiatives:

- WHO Nutrition Guidance Expert Advisory Group to provide scientific advice on nutrition. This Group started working on vitamin A supplementation and on the level of total fat and obesity and related non-communicable diseases as well as additional issues of public health importance including sugars and health;
- WHO Global Network of Institutions, established in order to facilitate the effective harmonization of scientific advice on nutrition. Its first meeting is planned in February 2010 to discuss the guiding principles and development of nutrient profiling;
- Joint FAO/WHO Expert Meetings on Nutrition” (JEMNU). JEMNU will replace the current ad hoc expert consultation arrangements.

IDF aims to be involved and provide input to these initiatives.

#### Additional or revised Nutrient Reference Values (NRVs) for Labelling Purposes in the Codex Guidelines on Nutrition Labeling

The proposed draft principles for establishing NRVs of vitamins and minerals for the general population will be forwarded to the Codex Alimentarius Commission (CAC) for adoption. A physical working group will be organized prior to the next CCNFSDU session to make progress on the numerical NRVs of vitamins and minerals. IDF will participate in this WG and provide comments to the NRV values (with special attention to calcium, and vitamin K).

#### Nutrient Reference Values (NRVs) for Nutrients Associated with Risk of Non-communicable Diseases

This proposed new work would address the principles and criteria for the development of NRVs for labeling purposes for nutrients associated with risk of diet-related non-communicable diseases for the general population older than 36 months. CCNFSDU discussed the question referred by CCFL if fat, sodium and sugar should be included in the list of nutrients to be addressed in this proposed new work. No definitive conclusion could be reached and the details of the discussion will be forwarded to the CCFL. In addition, a draft definition of NRV will be recommended to CCFL for its consideration.

The Project document will be forwarded to the CAC for approval of new work. IDF will participate in the eWG that will be set up to prepare the revised document.



*From left to right: Sandra Tuijtelaars (IDF), Isabelle Neiderer (CA), Eric Grande (FR)*

### Amendment of the Codex General Principles for the Addition of Essential Nutrients to Foods

CAC will be asked to approve the proposed new work to amend the Codex General Principles for the Addition of Essential Nutrients to Foods. Pending approval by CAC an electronic working group (eWG) will prepare a revised project document for consideration by the next CCNFSDU Session. IDF will participate in this eWG to ensure that dairy products are not put at a disadvantage.

The 32nd Session of CCNFSDU will take place in Santiago, Chile from 1-5 November 2010.

For more information, please consult the IDF Observers report, available from the IDF Intranet.

Contact: [Sandra Tuijelaars](#), IDF Nutrition Officer

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### Workshop of the European Federation for Animal Health and Sanitary Safety (FESASS) on Bovine Paratuberculosis

The meeting took place in Brussels on 23 October 2009 gathering around 90 representatives from livestock breeders' organizations, veterinarians and food processing industries of Europe. IDF was represented by Dr. Jean Vignal, IDF SPCC, and Joerg Seifert, IDF HO. The workshop aimed at presenting the state of play of scientific knowledge, the viewpoints of farmers and the industry and to share latest experiences in controlling Bovine Paratuberculosis (BPTB) in various European countries.

The key message of an IDF presentation from a dairy processor's perspective was that BPTB is a recognized animal health issue with significant impact on the dairy sector because of economic loss, disruption of supply, export restrictions and potential reputation damage because of an earlier suspected link with *Crohn's* disease in humans, which, in spite of decades of very resource-intensive research, has not been proven. Meeting participants took note and supported the concept that the well-known risk management measures applied throughout the dairy food chain also serve to prevent and control *Mycobacterium paratuberculosis* (*M paratb*). There was consensus that control of BPTB must be integral part of an animal health strategy aiming at ensuring sustainable dairy production in the medium-to-long term.

IDF supports the leading role and importance of the World Organisation for Animal Health (OIE) as the international benchmark organization for animal health. It was proposed that OIE may consider to update recommendations regarding BPTB testing in relation to trade in livestock. Countries basing animal trade on herd-level tests for BPTB should not be considered excessively restrictive in comparison with those relying on single animal testing. There is also a need to facilitate the evaluation and standardization of tests to be used both for trade and herd management purposes. Finally in order to ensure consistency of approach, there is a need for guidance on the action to be taken in light of positive test results.

With the latest research findings presented by the French Food Safety Authority (AFFSA) the workshop demonstrated and confirmed the lack of scientific evidence to substantiate the suspected link between Paratuberculosis in animals and *Crohn's* disease in humans. While research into the possible role of *M paratb*. as a potential risk factor for human health will and must continue there was no support for applying the precautionary principle with regard to food safety as related to *M paratb*.

For more information on the FESASS workshop, please contact [Dr. Jean Vignal](#), or [Joerg Seifert](#), IDF Technical Director.

For more information on the topic of Paratuberculosis, particularly on monitoring success of paratuberculosis programmes, the upcoming IDF Bulletin No. 441 will contain the proceedings of the most recent international Paratuberculosis expert forum.

## WHO Foodborne diseases stakeholder meeting, Geneva, Switzerland, 29 October 2009

On the invitation of the WHO Department of Food Safety and Zoonoses (FOS), approx. 50 representatives of key stakeholders and experts involved in the Foodborne Disease Burden Epidemiology Reference Group (FERG) attended a one-day meeting to discuss the progress made in furnishing and analysing data to estimate the global burden of foodborne diseases.

The global burden of foodborne diseases and its impact on development and trade are currently unknown and the aim of the WHO is to quantify the annual number of people who die from (or are affected by) food (and water) borne hazards. Among the preliminary results presented at the meeting were that the estimated number of deaths from foodborne diarrhea among people above 5 years of age is 1 mio. higher than previously estimated. Other surprising results are to be expected when the FERG group completes its work in 2010/11.

The participants in the stakeholder meeting conducted a brainstorming about barriers and opportunities in bridging the research gap.

Most of the feedback from the participants related to 1) the need for timely and effective communication, including the need for a common language comprising adequate metrics (such as Disability-Adjusted Life Year, DALY), 2) provision of cost-benefit analyses to decision makers and not only risk estimates, and, 3) importance of source attribution of foodborne diseases for selecting intervention strategies. The concept of DALY is the metric gaining support to express risk and to compare risks from different diseases. The use of this approach in food safety risk management could be a way forward to overcome the psychological/political difficulty in expressing ALOP (Appropriate Level of Protection).

The IDF Observers report is available on the IDF Intranet.

Contact: [Claus Heggum](#), Chair of SPCC

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## AOCS Saturated Fats & Health - 2009 Hot Topic Now Online

The audio/visual presentations of this 100th Annual Meeting & Expo symposium (Orlando, US, 5 May 2009).are now available for free download by using the Guest login at <http://elearning.aocs.org/course/view.php?id=2>

IDF contributed to the development of the program of this successful symposium with expert input from the SCNH Action Team on Fats and Oils. The conclusions of the symposium with worldwide renowned speakers are in line with the outcomes of the previously held scientific symposium 'Scientific Update on Dairy Fats and Cardiovascular Disease' which was facilitated by IDF (June 2008).

The Hot Topics session unveiled new scientific results that have identified specific actions of some saturated fatty acids that are beneficial for health. These results suggest that individual saturated fatty acids have very interesting physiological properties in the human body, such as myristic acid that can improve omega-3 biosynthesis with normal intakes. Accordingly, saturated fatty acids should not be considered as one single group in physiological terms.

Contact: [Sandra Tuijtelaars](#), IDF Nutrition Officer

## IDF Events

### IDF World Dairy Summit, 04-11 November 2010, Auckland, New Zealand



### Towards a more sustainable IDF World Dairy Summit 2010

The WDS2010 will include a focus on Sustainability in Dairy. In line with this, Summit organizers are exploring ways to reduce the environmental impact of the Summit.

#### Venue

SKYCITY, the Summit venue has been working on energy efficiency programs for many years now. They are currently trialling an urban micro-scale wind turbine on the roof of the hotel. This wind turbine feeds electricity into the circuits which supply the public areas of the hotel, stairwells, aviation lighting and lighting outside on the Sky Tower. Wherever feasible, re-useable items will be used instead of disposable ones. Recycling facilities are also available at all of the venues being used for the Summit.

#### Transport

Air New Zealand offers a Carbon Offset Programme, where contributions go directly to wind farm credits in New Zealand. Passengers can also donate to the Air New Zealand Environment Trust, which supports projects to enhance New Zealand's natural environment. The Trust's first project is a conservation programme involving more than 100 acres on Mangarara Station in Hawke's Bay on the Eastern side of the North Island.

#### Hotels

The hotels listed on the WDS2010 website have been audited against key sustainability areas including, energy conservation, water conservation, waste management and purchasing responsibility. This will allow delegates to make an informed choice. Moreover, most of the hotels are within easy walking distance of the conference venue.

#### Assessment

Sustainability initiatives will be assessed by a Master's student from Massey University's Centre for Energy Research. This will allow to assess the impact of the Summit in terms of Green House Gas Emissions, and calculate the reduction in emissions from any changes made.

For more information and progress updates, check out the conference website [www.wds2010.com](http://www.wds2010.com)

Finally, balancing the working aspects of the Summit, a series of social events is planned to take place in some of the exceptional venues that Auckland has to offer.

Contact: [Andy Williams](mailto:andy.williams@idfworld.org), IDF World Dairy Summit convenor

## **IDF/INRA International Symposium on Spray Dried Dairy Products, 19-22 June 2012, St. Malo, France**

This event aims to bring together research and industry leaders to share ideas and information about new developments in two complementary fields of science and technology – the manufacture of dairy powders and the functionality of these products as food ingredients. The general objective of the symposium is present knowledge and exchange of the latest scientific findings with regard to spray drying technologies, including innovative approaches targeted at better exploitation of the functionalities and the application of spray dried dairy products. The translation of research findings into industrial practice will also facilitate the development of better modelling and control of spray drying processes and application of new and alternative technologies for the manufacture of dried dairy ingredients.

Contact: [Joerg Seifert](#), IDF Technical Director

### List of upcoming events

- **5th IDF International Conference on Mastitis**, 21-24 March 2010, Christchurch, New Zealand
  - **IDF/ISO Analytical Week**, 17-21 May 2010, Canada
  - **IDF Symposia on Science and Technology of Fermented Milk**, 7-9 June 2010, Tromsø, Norway
  - **IDF Symposia on Microstructure of Dairy Products**, 9-11 June 2010, Tromsø, Norway
  - **IDF World Dairy Summit 2010**, 4-11 November 2010, Auckland, New Zealand
  - **IDF International Symposium on Sheep and Goats Milk**, 2011, Athens, Greece
  - **IDF/ISO Analytical Week**, 22-27 May 2011, France
  - **IDF World Dairy Summit 2011**, 2011, Italy
  - **IDF International Symposium on Cheese Ripening and Technology**, April 2012, Madison, Wisconsin, USA
  - **IDF/INRA International Symposium on Spray Dried Dairy Products**, 19-22 June 2012, St. Malo, France
  - **IDF World Dairy Summit 2012**, 2012, South Africa
- View all IDF Events at:  
<http://www.fil-idf.org/EventsCalendar.htm>

## IDF Publications

### Bulletins of the month

#### **Bulletin of the IDF No. 440/2009 - Interlaboratory Collaborative Study on the Kjeldahl Reference Method for Nitrogen Determination in Sheep and Goat Milk According to ISO 8968-1/2|IDF 20-1/2**

The reference method for determination of nitrogen in milk (International Standard ISO 8968-1/2|IDF 20-1/2) was subjected to an international interlaboratory study to establish its precision characteristics (reproducibility, R, and repeatability, r) when the method is applied to sheep milk and goat milk. This paper is the report of the interlaboratory studies.

**Pages: 24 - Price: 25 Euro - Date: 2009**

#### **Bulletin of the IDF No. 441/2009 - Monitoring success of paratuberculosis programs. Proceedings of 2nd IDF Paratuberculosis Forum, Minneapolis, August 2009**

Paratuberculosis is an infectious disease that is one of the leading causes of economic loss to the cattle and small ruminant industries. The dairy sector (and the beef sector) have studied how to control and reduce the prevalence and spread of this disease for many years. The second ParaTB Forum, held in Minneapolis, Minnesota, USA on 8 August 2009 provided the opportunity to consider national and regional control and eradication programs on paratuberculosis in dairy herds with the emphasis on monitoring the effectiveness of these programs and analysing the factors affecting their degree of success. This issue of the Bulletin of IDF comprises the papers presented at the Forum.

**Pages: 41 – Price: 42 Euro - Date 2009**

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### Joint IDF-ISO standards

#### **IDF 023 | ISO 5536 (2009) - Milk fat products - Determination of Water content - Karl Fischer method**

This standard specifies a method for the determination of the water content of milk fat products by the Karl Fischer method. The method is applicable to butteroil (anhydrous butteroil, anhydrous butterfat, anhydrous milk fat) with a water content not exceeding 1,0 % mass fraction.

*This second edition cancels and replaces the first edition, which has been technically revised.*

**Pages: 6 - Price: 38.42 Euro - Date: 2009**

#### **IDF 075-1 | ISO 3890-1 (2009) - Milk and milk products - Determination of residues of organochlorine compounds (pesticides) - Part 1: General considerations and extraction methods**

This standard describes general considerations and specifies extraction methods for the determination of residues of organochlorine pesticides in milk and milk products. A method for high-fat products is specified in an annex. Guidance is given on the conduct of analyses in the presence of polychlorinated biphenyls (PCBs) in another annex. The methods are applicable to: alpha-HCH; beta-HCH; gamma-HCH; aldrin/dieldrin; heptachlor and heptachlorepoxyde; isomers of DDT, DDE, TDE; chlordane and oxychlordane; and endrin. Certain methods are applicable to delta-ketoendrin and HCB.

**Pages: 16 - Price: 56.96 Euro - Date: 2009**

## **IDF 075-2 | ISO 3890-2 (2009) - Milk and milk products - Determination of residues of organochlorine compounds (pesticides) - Part 2: Test methods for crude extract purification and confirmation**

This standard specifies test methods for the purification of the crude extracts obtained by the general methods given in ISO 3890-1|IDF 75-1. It also gives recommended methods for the determination of the residues of organochlorine compounds in milk and milk products, together with confirmatory tests and clean-up procedures.

**Pages: 32 - Price: 82.13 Euro - Date: 2009**

## **IDF/RM 216 | ISO/TS 27105 (2009) - Milk and milk products - Determination of hen's egg white lysozyme by HPLC**

This standard specifies a method for the quantitative determination of hen's egg white lysozyme in milk and milk products. The method is suitable for measuring low levels of hen's egg white lysozyme with a quantification limit of 5 mg/kg.

**Pages: 9 - Price: 43.71 Euro - Date: 2009**

## **IDF/RM 217 | ISO 27106 (2009) - Cheese - Determination of nisin A content by LC-MS and LC-MS-MS**

This standard specifies a method for the quantitative determination of the nisin A content in cheese. The method is suitable for measuring low levels of nisin A with a quantification limit of 1 mg/kg.

**Pages: 9 - Price: 43.71 Euro - Date: 2009**

**This standard is only available in English**

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The International Dairy Federation is the pre-eminent source of scientific and technical expertise for all stakeholders in the dairy chain. IDF accounts for about 85% of the world's total milk production. Membership covers 58 countries and is growing. IDF aims to identify and disseminate best practice at international level in order to guide and harmonize members' work on issues including climate change, nutrition and food hygiene at national level.

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