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## Message from the Director General

### Improved timeliness of delivery for IDF value driven work



In the last years, IDF has deliberately streamlined its structures and working procedures to meet stringent deadlines for all priority projects.

Consequently, the average duration of projects has decreased significantly, and most work items currently listed in the Programme of Work have a target date of between one and two years from initiation at the most.

Moreover, IDF is committed to meeting ALL deadlines for submission of IDF positions to other international organizations (Codex, OIE, FAO ....) with which it has a formal working relationship.

This acceleration and improved timeliness of delivery of quality outcome has been achieved while still adhering to the principle of full membership consultation for comment and endorsement, and scientific validation of all output on behalf of or for the dairy sector.

IDF's promptness to provide scientific expertise to WHO and FAO further to the recent regional case on adulteration of suppliers' milk with melamine is a good example. The establishment of a work programme in the priority area of environmental sustainability in a very short timeline is another one.

We always strive to improve and accelerate the delivery of our outcomes without jeopardizing our scientific excellence, which is the core of IDF's values and work. Thanks to increased sharing of expertise and knowledge within IDF community, we can even better accelerate our work and shorten deadlines.

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

## Success Stories

### Summary report of the Symposium 'Scientific update on Dairy Fats and Cardiovascular Disease' published online

The summary report of the symposium 'Scientific update on dairy fats and cardiovascular disease' has been published online with open access in the European Journal of Nutrition. The symposium was hosted by the University of Reading (UK) and organized and facilitated by the IDF Standing Committee on Nutrition and Health (SCNH) thanks to the kind contribution of the IDF National Committees and sponsorship of the Global Dairy Platform. The report is authored by renowned international scientists including all speakers of the conference.

The report provides a reappraisal of the impact of dairy foods and milk fat on cardiovascular disease (CVD) risk. The conclusions highlight that despite the contribution of dairy products to the saturated fatty acid composition of the diet, and given the diversity of dairy foods of widely differing composition, there is no clear evidence that dairy food consumption is consistently associated with a higher risk of CVD. Thus, recommendations to reduce dairy food consumption irrespective of the nature of the dairy product should be made with caution.

The full text version of the article is available at Springerlink.com - <http://www.springerlink.com/content/5w8g17n3l5511763/>

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

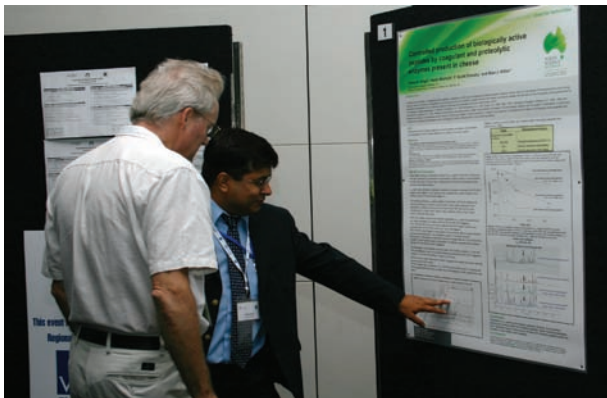
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### IDF/DIAA Conference on Functional Dairy Foods, Melbourne (AU), 24-25 February 2009



The 2009 IDF/DIAA Dairy Science World Series Conference on Functional Dairy Foods was a great success. Two hundred Australian and international participants, of which thirty-six speakers, reviewed and discussed new opportunities and challenges in production and bioactivity of functional dairy foods.

The presentations reminded all participants that dairy products are nutritional foods delivering on nutritional needs across all age groups. They are key providers of many important nutrients such as calcium and high quality protein. Many of the biological activities of dairy products are ascribed to whey proteins and their hydrolysates, which have the potential to be used for health claims.



The conference highlighted that the health benefits of milk go beyond traditional nutrition and are linked to risk reduction of chronic diseases. It was emphasised that milk should be considered as a matrix of different bioactive compounds and that this complex matrix may allow health benefits that cannot be explained by single milk components. Health benefits on dairy products should be scientifically substantiated and comply with existing regulations.

It was speculated that in future human health would be linked to personalised nutrition. Dairy, which contains many bioactive health-promoting compounds, could have an important role in this new approach. Industry views on the future of functional dairy foods were positive but highlighted that in addition to scientific research, the commercialisation of functional dairy products should also be ensured.

The conference concluded that research should be expanded into processing technologies for dairy bioactives and into traditional dairy nutrients, dairy bioactives, genomics and molecular nutrition, all in the context of total diet and lifestyle. Last but not least, the benefits of functional dairy products should be communicated to and understood by the consumer.

The proceedings of this conference are published in the Australian Journal of Dairy Technology, vol 64, n°1.

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

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## IDF Programme of Work – Update on key projects

### **Methodology for estimating green-house gas emissions from livestock sectors and reference figure for greenhouse gas emissions from global milk producing livestock**

IDF confirmed its commitment to fund the FAO project on methodology for estimating green-house gas emissions from livestock sectors and reference figure for greenhouse gas emissions from global milk producing livestock, thanks to the support of IDF National Committees and other dairy stakeholders. The objective of the work is to review and revise the methodology that has led to the earlier published FAO statement referring to the livestock sector being responsible for 18% of greenhouse gas emissions worldwide. FAO will segregate the total figure into different sub-sectors with the ultimate objective of providing an FAO reference figure for GHG emissions from livestock producing milk.

The IDF Board also appointed two leading dairy experts in the area of Life Cycle Assessment (LCA) to represent IDF at an FAO steering group to supervise and co-ordinate the FAO project. Furthermore, FAO confirmed that IDF members and experts would review and comment the resulting FAO draft report prior to finalization and release.

It is foreseen that FAO will present the project results at the IDF World Dairy Summit Berlin 2009 conference on environment and sustainability.

## **IDF/FAO/UNEP Guide on Life Cycle Assessment /Life Cycle Management towards Sustainability in the Dairy Chain**

IDF and the SAI Platform Dairy Group, the leading organization within the commercial dairy sector on sustainability issues, have developed a roadmap for IDF-SAI collaboration from 2009 onwards. It comprises SAI LCA expert input to the IDF lead development of an international reference guide for Life Cycle Assessment and Life Cycle Management (LCA/LCM) as an up-date of the existing IDF /UNEP Guide on Life Cycle Assessment towards Sustainability in the Dairy Chain (2005). The new work item proposal is currently with IDF National Committees for voting with a deadline of 20 March 2009.

As soon as the item is formally adopted, IDF will work jointly with the Food and Agriculture Organization of the United Nations (FAO) and the United Nations Environmental Programme (UNEP), the two leading UN agencies in the field of food and agriculture and environmental sustainability. The aim is to produce a joint IDF/UNEP/FAO international reference guide.

IDF National Committees and other dairy stakeholders have already committed a substantial amount of funding support to enable IDF to deploy a project facilitator in order to assist the IDF LCA project group to accelerate its work. The IDF Head Office would like to call again on IDF members and other dairy stakeholders, who have not yet made a commitment, to consider and confirm their contribution to the IDF fund.

In order to facilitate an early start of the project the IDF Head Office has created via the IDF Intranet an on-line library containing the most important reference publications pertaining to LCA of recent years. IDF members and experts can access the resource at the following IDF Intranet folder: [IDF Bodies / IDF Standing Committees / Environment / LCA Library](#)

### **IDF communication plan on environmental sustainability**

#### *Immediate action*

A small Action Team will review the forthcoming IDF publication “Environmental/ecological impact of the Dairy Sector” and papers presented at IDF Edinburgh Dairy Farming Summit in June 2008 and will develop a shortlist of items/messages that are communicable and identify possible authors of messages/communications to be presented to the next SPCC meeting.

For educational purposes, an existing Action Team of the SC on Environment will initiate the development of fact sheets on identified issues.

#### *Long-term strategy*

Actions in these fields will include:

- *Weighing social, nutritional, economic etc. benefits of dairying with the environmental costs (climate change):* The development of a paper (in different languages) that provides a basis for continuous communication of the “right to produce” should be pursued. The SC Marketing will draft the paper on the basis of input from various other IDF bodies.
- *Fact sheets on carbon footprints of dairy products and activities:* SC Environment and SC Farm Management will carry out the work.

- *Revision of the IDF Guide to Good Dairy Farming Practice:* The SC Farm Management will take IDF leadership for this item pending finalization of the current work of the SAI Platform Dairy Group on principles and practices for sustainable dairy farming.
- *Reduction of GHG emission and water resource management on the dairy farm:* Best practice and an inventory of practical means and measures that can be implemented by the dairy farmer should be established. The forthcoming IDF work on Life Cycle Analysis and Life Cycle Management (LCA/LCM) aims to address these issues in a holistic manner. Besides the SC Environment, the SC Farm Management, SC Chemical Residues & Contaminants and SC Microbiological Hygiene may have an interest to join.
- *Variation of carbon footprint according to climate and animal diet:* The item should be pursued as a monitoring task that aims at stimulating research and at presenting information at IDF events: The activity will be carried out by SC Environment in liaison with SC Animal Health.

### **Food standards and methods of analysis and sampling: new strategic plans**

The IDF Food Standards Steering Group and the IDF/ISO Methods Standards Steering Group have developed draft strategic plans, which are subject to on-going review. Proposed structural changes and proposed amendments to existing IDF working procedures will be considered at the next meeting of SPCC. The IDF membership will be consulted.

### **Dairy science and technology / events: optimizing use of IDF resource**

The Science and Programme Coordination Committee endorsed the proposal to run the two IDF symposia in Norway in June 2010 as well as the IDF International Symposium on Cheese Ripening and Technology in 2012 under the heading of “IDF Dairy Science and Technology Week”. It ensures a continuation of the very successful concept of IDF DST Weeks as the central annual meeting point of food/dairy academia and dairy industry. It is the place where latest scientific and technological discoveries and their translation into industrial practice are presented in order to support innovation and added value to dairy products.

### **Development of a standard method for testing for melamine and cyanuric acid**

IDF is working together with ISO on the establishment of an international standard method for melamine and cyanuric acid. The ISO/IDF expert group has decided to move forward with an LC/MS/MS method for testing both analytes in fluid and reconstituted products. The intent is to first publish an IDF Reviewed Method/ISO Technical Specification in view of fast publication, after consultation of IDF and ISO membership. In a second step, there will be validation trials to develop the methods as an international standard method for melamine and cyanuric acid. An update on progress will be communicated to IDF membership in due time.

### **IDF Inventory of Methods and Procedures to Monitor the Integrity of Suppliers' Milk**

The work is well on track and will likely be presented at the IDF WDS Berlin, most likely at the IDF Forum on Present and Future Work.

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

## **Liaison with International Organizations**

### **Codex Committee on Methods of Analysis and Sampling, 9-13 March, Bala-tonalmadi, Hungary**

#### **Methods of Analysis and Sampling for the Codex Standard for Infant Formula and Formulas for Special Medical Purposes intended for Infants**

The CCMAS has considered the complete list of methods for the Methods of Analysis and Sampling for the standard for infant formula and formulas for special medical purposes intended for infants referred by CCNFSDU (Codex Committee on Nutrition and Foods for Special Dietary Uses). The CCMAS experts reviewed the type of some methods as requested by the CCNFSDU, and endorsed most of the methods proposed, among which joint IDF/ISO methods for total fat, calcium, magnesium, and total solids/moisture.

#### **Guidelines on establishing methods criteria for the identification of relevant analytical methods**

The Annex 1 of this document had been adopted by the Commission in 2008 for inclusion in the Procedural Manual. In order to reply to some questions from the Commission, the CCMAS agreed to slightly amend it with some correction and addition of a summary table. The Annex 2, the guidelines, were discussed in detail and redrafted to take into account the requests for simplification. The CCMAS agreed to forward it for adoption to the Commission for inclusion in the Procedural Manual.

#### **Guidance on Measurement Uncertainty**

The CCMAS took note of the guidelines and explanatory notes prepared by the electronic Working Group. Given the diversity of comments received prior to and during the session, the electronic working group has been reconvened to redraft the proposal. IDF will participate in this working group.

#### **Uncertainty of Sampling**

The CCMAS agreed that uncertainty of sampling needed to be addressed by Codex and noted availability of publications. It decided to keep the item under consideration, as it is premature to forward the document to the commission to propose new work, although the importance of providing guidelines on uncertainty of sampling has been highlighted. The CCMAS also agreed that this work is linked to the draft guidelines on Measurement uncertainty. An electronic working group will revise the discussion paper in view of forwarding a new work item proposal to the commission its next session.



*Aurélie Dubois (IDF) and Jaap Evers (NZ).*

#### **Committee on Milk and Milk Products - Discussion Paper on sampling plans for milk products in the presence of significant measurement error**

The delegation of New Zealand prepared a discussion paper clearly outlining the problem and indicated how it could be addressed in a horizontal manner. The CCMAS agreed that this is a horizontal matter, and agreed to include this work in the mandate of the electronic working group on Uncertainty of Sampling. IDF will participate in the working group.

## Melamine

The delegation of Nigeria requested guidance on methods for melamine in food and feeds. Noting the importance of importation in Nigeria, the delegation therefore asked CCMAS, and IAM to advise, and assist to find a suitable method. IDF outlined the two streams of work currently being conducted within IDF relating to developing a standardized method for melamine/cyanuric acid, and safeguarding the integrity of supplier milk. IDF will liaise with other organizations and delegations that informed the committee of their work in this area.

## Next meeting

Hungary in late March or early April 2010.

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

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## IDF Head Office

### Sandra Tuijtelaars in charge of the Food Labelling and Terminology work



IDF Nutrition Officer, Sandra Tuijtelaars, now coordinates the work of the IDF Standing Committee on Food Labelling and Terminology.

Sandra who is already well familiar with the SCFLT work programme has assisted very effectively with the latest IDF submissions to the Codex Committee on Food Labelling (CCFL) electronic working groups dealing with nutrition labelling items. She will also assist the IDF delegation to the forthcoming session of CCFL.

Joerg Seifert, IDF Technical Director, will invest a growing amount of time and dedication to up-coming new IDF priority items in the field of animal health and welfare, environmental sustainability and the optimization of IDF Head Office support to future IDF events.

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

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## IDF Events

### IDF/ISO Analytical Week – Online registration is now available!

17-22 May 2009, Sochi, Russia



The registration and hotel booking information are available online at <http://2009.lactose.ru>.

Interested participants are invited to register as soon as possible, and **before 1 April**, in order to allow enough time for the visa process, which is explained in details on the website.

All registered participants are invited to:

- Visit the exhibition of analytical service providers and manufacturers that will run all week
- Attend the IDF/ISO symposium on “Tools to preserve the integrity of the dairy supply chain” to be held on the morning of Wednesday 20 May 2009.
- Participate in the social/technical tour on the afternoon of Wednesday 20 May 2009

### **Business meetings**

The business meetings are open to all members of IDF Standing Committees and IDF/ISO Joint Action Team within the analytical area. Observers interested to attend shall contact their IDF National Committees.

Registration to business meetings has to be made separately by returning the meeting reply form sent earlier to the SC and JAT members.

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

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## **IDF World Dairy Summit**

**20-24 September 2009, Maritim Hotel, Berlin, Germany**



Don't miss this event, book your place now!

Join TOP representatives of the dairy sector worldwide and debate challenges ahead!

The German National Committee of the International Dairy Federation (IDF) invites you to participate to the premier forum to network, acquire further knowledge and share views.

Headlines of the 10 conferences and titles of more than 100 presentations are now available online at <http://www.wds2009.com>

More than 1 000 dairy experts from all over the world will gather in Berlin; this event will illustrate a “United Dairy World”. An interesting social programme will also provide excellent opportunities for networking and expertise sharing.

The take away will be experience, insights and solutions.

For more information and to register, visit: <http://www.wds2009.com>

Contact: [Ines Coldewey](#), IDF National Committee of Germany

## IDF Publications

### Joint IDF-ISO Standards

#### **ISO 23065|IDF 211:2009 - Milk fat from enriched dairy products - Determination of omega-3 and omega-6 fatty acid content by gas-liquid chromatography**

This standard specifies a method for the determination of the omega-3 and omega-6 fatty acid content in anhydrous milk fat extracted from dairy products supplemented or naturally enriched with these constituents.

The specified procedure allows the evaluation of the most important omega-3 and omega-6 fatty acids.

**Pages: 12 - Price: 49,01 Euro - Date: 2009.**

#### **ISO 3356|IDF 063:2009 - Milk - Determination of alkaline phosphatase**

This standard specifies a method for the determination of alkaline phosphatase activity in milk.

The method applies to alkaline phosphatase activities not less than 1 µg of phenol per millilitre.

The method is also suitable for the determination of alkaline phosphatase activity in milk powder, buttermilk and buttermilk powder, whey and whey powder.

**Pages: 8 - Price: 38,42 Euro - Date: 2009.**

Contact: [Oscar Chavez](mailto:Oscar.Chavez@idf.org), IDF Office Manager



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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. Membership covers 56 countries and is growing; IDF accounts for about 85% of the world's total milk production. IDF aims to identify and disseminate best practice at the international level, in order to guide and harmonise members' work on issues including climate change, nutrition and food hygiene at the national level.

**The scientific expertise for the dairy sector worldwide**