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### MESSAGE FROM THE DIRECTOR GENERAL



IDF’s vision is to help nourish the world with safe and sustainable dairy. This vision is ever more relevant in light of the challenges we face in achieving global nutrition security.

How can we ensure a growing global population receives the nutrition it requires, without causing damage to the environment? And, more specifically, what role can dairy play to improve the quality of diets across the world?

With millions of malnourished people across the globe, there is no doubt that significant, collaborative action must be taken. In November 2014, the issue of malnutrition will come into sharp focus, as global nutrition policies to combat malnutrition will be developed at the Joint FAO/WHO Second International Conference on Nutrition (ICN2).

IDF has been participating in preparatory stakeholder meetings for ICN2, and will be directly involved in the meeting in November. Find out more in this edition of the IDF Newsbrief.

Dr Nico van Belzen  
IDF Director General

## DEVELOPING GLOBAL NUTRITION POLICIES AT ICN2

This year the Second International Conference on Nutrition (ICN2) will take place. This inclusive inter-governmental meeting on nutrition jointly organized by the Food and Agriculture Organization (FAO) and the World Health Organization (WHO) is a follow-up of the first ICN organized in 1992.

ICN2 is a high-level ministerial conference which will propose a policy framework to address today's major nutrition challenges and identify priorities for enhanced international cooperation on nutrition. It is expected to shape nutrition policy of the FAO and WHO member states for the coming decades.

IDF has been highly involved in ICN2 by submitting written comments and actively participating in the preparatory meeting in Geneva and Rome. IDF will also participate in the ICN2 plenary meeting in Rome, Italy from 19-21 November 2014. IDF will be part of the delegation of the private sector steering committee, a tripartite group composed of the private sector mechanism, SUN business network and the livestock sector. IDF Director General Dr Nico van Belzen represents the livestock sector in this committee.

IDF has emphasized the need to promote healthy diets and to focus on balanced and diversified diets, rather than an 'isolated nutrients' approach. The importance of a diversified diet for combating problems of micronutrient malnutrition or "hidden hunger" is acknowledged by FAO, as they state that "the only sustainable means of addressing malnutrition is through the consumption of a high-quality, diverse diet that provides adequate but not excessive energy."<sup>1</sup>

By actively engaging in this process IDF strives to ensure that the policy initiatives resulting from ICN2 will be based on sound science.

**Related Links**

**Further information on the Second International Conference on Nutrition (ICN2)**

**<sup>1</sup>FAO 2013: The state of food and agriculture. Food systems for better nutrition**

## IDF MEMBERS CELEBRATE WORLD SCHOOL MILK DAY 2014



World School Milk Day 2014 took place on Wednesday 24 September. Take a look at the [IDF Nutrition Website](#) to see how some of the IDF member countries celebrated.

If you'd like to see your activities featured, please contact [communications@fil-idf.org](mailto:communications@fil-idf.org)

### DAIRY SUSTAINABILITY FRAMEWORK - KEEP UP TO DATE WITH THE DSF NEWSLETTER!

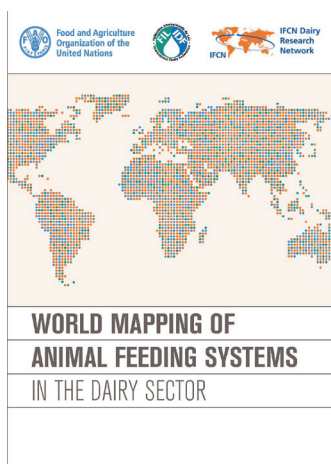
The Dairy Sustainability Framework (DSF) is the programme of the Global Dairy Agenda for Action for aligning and connecting sustainability initiatives to demonstrate leadership and progress globally.

Download the third issue of the DSF Newsletter from [www.dairysustainabilityframework.org](http://www.dairysustainabilityframework.org) and subscribe to the mailing list at [info@dairysustainabilityframework.org](mailto:info@dairysustainabilityframework.org).

## **WORLD MAPPING OF ANIMAL FEEDING SYSTEMS IN THE DAIRY SECTOR**

A tripartite collaborative effort between IDF, FAO and the IFCN Dairy Research Network to generate a unique repository of information on feeding systems in the dairy sector has resulted in the publication of a joint report titled *World Mapping of Animal Feeding Systems in the Dairy Sector*.

Gathering information from over 65 countries across 6 continents and a number of production systems, this is the most comprehensive animal feeding map to date. The IDF/FAO/IFCN World Mapping of Animal Feeding Systems in the Dairy Sector will serve as a valuable resource for dairy processors, animal feed professionals, dairy farmers and their advisers, as well as policy makers.



Animal feeding is the first step in the production of milk and therefore affects the rest of the production chain. The information available in the report will be of use in a wide range of fields, such as reducing the carbon footprint of the dairy chain, looking at the impact of animal diets on milk composition and related human health and nutrition, and also influencing animal health and welfare and productivity through feeding.

According to Dr Jeremy Hill, President of IDF, the new report represents an important new tool for industry stakeholders. *“This publication will serve as a key reference to assess environmental impact, identify better performing systems, optimize milk composition, enhance animal productivity, health and welfare and also to improve economic sustainability of milk production. This is a major effort that will continue for many years to come, and I encourage everyone in the industry to use this report as a source of reference.”*

The project was administered by the IDF Head Office with a project fund comprising contributions from Cargill Animal Nutrition, Evonik Industries, the European Feed Manufacturers’ Federation (FEFAC), the International Feed Industry Federation (IFIF) and the Centre National Interprofessionnel de l’Economie Laitière (CNIEL).

IDF will strive to continue and expand its established partnerships and collaboration with the feed manufacturing industry and other dairy chain supply partners in order to assist the global dairy sector in identifying and implementing innovative solutions to nourish the world with safe, nutritious and sustainable dairy.

**The IDF/FAO/IFCN World Mapping of Animal Feeding Systems in the Dairy Sector is available to download free of charge from the [IDF Catalogue](#)**

Further information can also be found at [www.dairyfeedingsystems.org](http://www.dairyfeedingsystems.org)

Click to download the  
publication

## **CODEX ALIMENTARIUS COMMISSION**

IDF is the platform for the international dairy sector to discuss standards for international trade and to achieve consensus on a common approach on dairy-related issues discussed in Codex. IDF experts from several member countries from different parts of the world are actively involved in developing science-based technical input for Codex discussions with potential impact on production, packaging, marketing, consumption and trade prospects of dairy products. As a Codex Observer, IDF attended the 37th Session of the Codex Alimentarius Commission held in Geneva, Switzerland, from 14-18 July 2014.

### **Related Links**

[Codex Alimentarius](#)

### **Codex standard for processed cheese**

Work will continue to develop a general standard for processed cheese. It is an important dairy commodity, broadly produced, traded and consumed all over the world and also included in lunch packs as part of school feeding programmes in some Codex regions.

The Commission decided to reconvene the Codex Committee on Milk and Milk Products (CCMMP) to address this topic.

### **Adoption of new Codex work on Standard for Whey Permeate Powder postponed**

This work falls within the mandate of the newly reconvened CCMMP. An electronic working group will conduct further consultation and gather additional information on the international trade of these products. Submission of the project document for adoption is envisaged at the 2015 Session of CAC.

As it has done successfully in the past, IDF will actively engage with the adopted and upcoming new Codex CCMMP work through provision of science-based technical advice.

### **Adopted Codex standards of great importance to the global dairy sector**

IDF has provided significant contributions to the revision and adoption of several Codex standards, guidelines and other new texts, such as:

- Amended Definitions of the Principles and Guidelines for the Conduct of Microbiological Risk Assessment (CAC/GL 30-1999),

- Methods of Analysis and Sampling in Codex Standards,
- Food Additive Provisions of the General Standard for Food Additives,
- The International Numbering System for Food Additives – Amendment,
- Provisions for Aluminium-containing Food Additives in Selected Standards,
- Maximum Levels for Lead in Infant Formula and Formula for Special Medical Purposes Intended for Infants and for Follow up Formula: 0.01 mg/kg (as consumed) with concerns of some countries pointing out that it was possible to achieve lower levels.

### **Other matters of interest to the dairy sector:**

- A recently conducted re-evaluation of the joint FAO/WHO risk assessment body (JECFA) will be used in the upcoming Codex reconsideration of adopting a draft Maximum Residue Limit (MRL) for bovine somatotropin during the next session of CAC in July 2015.
- UNICEF proposed a new Codex Standard for ready-to-use foods for the management of malnourished children. The next session of the Codex Committee on Nutrition and Foods for Special Dietary Uses will consider a UNICEF/WHO/FAO discussion paper on the subject.
- WHO and FAO reported on their activities with regard to nutrition, including recommendations on the best methods to measure and predict digestion and efficiency of utilization of protein and amino acids in humans, which will be disseminated in the last quarter of 2014.



## New Chair of the Codex Alimentarius Commission

IDF congratulates Ms. Awilo Ochieng Pernet (CH) to her election as new Chair of Codex.

PHOTO from left to right: Michael Hickey, Chair of the IDF Science and Programme Coordination Committee, Joerg Seifert, IDF Technical Director, Awilo Ochieng Pernet, new Chair of Codex, Sanjay Dave, Chair of Codex from 2011 to 2014, Roger Hall, Chair of the IDF Food Standards Steering Group

### Related Links

[Official Meeting Report](#)

[IDF](#) [Observers](#) [Report](#)  
[available](#) [from](#) [the](#) [IDF](#)  
[Intranet](#)



## DEVELOPMENTS IN METHODS OF ANALYSIS AND SAMPLING

The following projects are or will soon be under evaluation by IDF and ISO members at the **Draft International Standard status**. This means that the standards have been validated by a collaborative study and that this step is the last opportunity for IDF and ISO members to submit comments. Depending on the results, publication could be expected as early as the beginning of next year.

- Quantification of Lactic acid Bacteria by flow cytometry
- Determination of alkaline phosphatase activity in milk and milk products - Part 2: Fluorometric method or cheese (revision)
- Milk and cheese – Determination of hen's egg white lysozyme content by high performance liquid chromatography (revision)
- Direct determination of fatty acids in milk products and infant formula. This project has also be granted final action status by AOAC International in the frame of the collaboration with ISO.

The following projects found consensus between the members and will be evaluated by an **international collaborative study** within the coming months:

- Determination of calcium, copper, iron, magnesium, manganese, phosphorus, potassium, sodium and zinc contents by using inductive coupled plasma atomic emission spectrometric method (ICP-AES)
- Cream – Determination of fat content – Acido-butyrometric method
- Milk – Determination of fat content – Acido-butyrometric method
- Cheese – Determination of propionic acid level by gas phase chromatography
- Milk – Determination of casein nitrogen content
- Determination of beta-hydroxybutyrate (BHBA, a marker for hyperketonemia) and acetone content by continuous flow analyzer

Several proposals for new work are under preparation to revise current standards or develop new ones where a gap has been identified. For instance, a proposal will be made to revise the existing standard for determination of fat to regroup them in a more concise way. Other proposals will address determination of protein or sugars, or the characterization of milk coagulation.

**Investigation and further pre-studies** continue on a number of projects, in particular:

- Collections of information about applications of mid-infrared spectrometry in raw milk analysis
- Enumeration of *Lactobacillus casei/paracasei* in fermented milks and starter cultures
- Guidelines for the validation of screening methods for residues of veterinary medicines
- Pasteurization tracers – Different enzyme indicators for pasteurization in other species

The following standard is expected to be published shortly:

- ISO 8968 | IDF 20:2001 Milk – Determination of nitrogen content (revision)

## **ANIMAL HEALTH AND WELFARE**

The IDF Standing Committee on Animal Health and Welfare (SCAHW) has a number of ongoing projects.

### **Antimicrobial Resistance in Mastitis Pathogens**

IDF continues to monitor ongoing work in this field. An updated fact sheet on the topic is envisaged for mid-2015

### **OIE standard on Animal Welfare and Dairy Cattle Production**

The IDF position on the latest draft of the OIE standard on Animal Welfare and Dairy Cattle Production Systems was finalized following input from IDF National Committees. These comments were considered at the recent meeting of the OIE Terrestrial Animal Health Code Commission.

IDF's input draws on the experience and expertise from around the world to ensure such standards could be implemented in a harmonious manner, despite differences in productions systems, practices and climates.

As a federation with a global membership, IDF is well placed to analyze different animal welfare systems used in different countries, as well as industry certification programmes pertaining to animal welfare and their compliance with OIE. This will be a particular focus for upcoming work.

## IDF World Dairy Summit 2015, Vilnius (LT): plans for the Animal Health and Welfare conference

Preparations for next year's conferences are well underway, with the following proposed key topics to be addressed: use of antibiotics in milk production, infectious diseases and animal welfare.



## IDF EVENTS



## 7th IDF International Symposium on Sheep, Goat and other non-Cow Milk

We are pleased to announce that **registration is now open** for the 7th IDF International Symposium on Sheep, Goat and other non-Cow Milk.

This 7th International Symposium aims at providing a renewed vision of knowledge on husbandry and milk production, technology, chemistry, physics, microbiology and nutrition. It will also highlight the significance of markets and appropriate policies as they have evolved since 2011.

Please also note that the deadline for submitting abstracts has been extended to **15 October**.

For regular updates and to register, please visit [www.idfsheepandgoat.org](http://www.idfsheepandgoat.org)



## IDF PUBLICATIONS

### Bulletin of the IDF No. 474/2014 - Detecting antibiotic residues in milk - Guidance on the application of screening and confirmatory methods in integrated dairy chain management

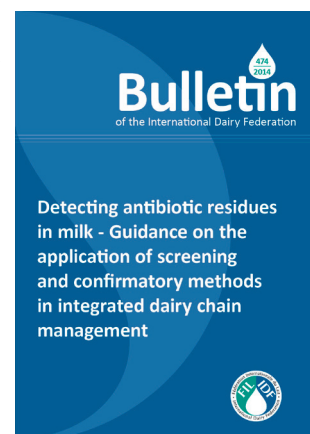
All the actors of the dairy chain are responsible for ensuring safe milk delivery, and this document describes a pragmatic way to implement the testing of antibiotic residues along the dairy chain. From the farm to the dairy processing factory, the various steps where tests can be implemented are detailed.

Checking compliance with regulation is the main reason for testing, and as such examples of different regulations in terms of residue limits are included. The document also provides tools that can be implemented at any level of the dairy chain, as well as providing details of sampling good practices, recommendations for sample storage, advantages and disadvantages of available methods and procedures applied to validate the tests. The document concludes with examples of applied strategies in different countries.

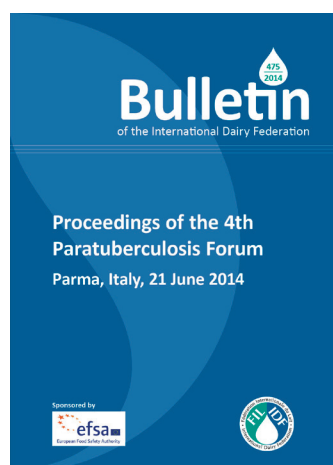
The reader will notice that testing should be implemented from the very beginning of the milk production chain to check the absence of contamination. Collaboration with the antibiotic prescribers to control the use of antibiotics and reduce the risks of contamination is a complementary approach to achieve the delivery of safe milk.

**To purchase a copy of the Bulletin, please visit the [IDF catalogue](#).**

Date: 2014 - Pages: 35 - Paper: 45.00€ - Electronic: 39.00€



### Bulletin of the IDF No. 475/2014 - Proceedings of the 4th Paratuberculosis Forum - Parma, Italy, 21 June 2014



This publication contains seventeen papers written by representatives of national and regional Johne's disease control programmes on the lessons learnt through their implementation. The papers were presented and discussed at the 4th Paratuberculosis Forum in Parma, Italy, on the 21 June 2014 at the offices of the European Food Safety Authority and attended by participants from 16 countries.

Presentations cover a variety of approaches to manage Johne's disease, from compulsory regulations targeting clinical disease to voluntary industry programmes aimed at reducing economic impact and supporting the production of high quality milk. A common theme was the integration of various testing strategies with important hygiene measures to prevent new infections.

The papers highlight the successes and challenges and the importance of communications and incentives to maintain farmer engagement and cooperation, in order to ensure Johne's disease control programmes are more effective in the future.

**To purchase a copy of the Bulletin, please visit the [IDF catalogue](#).**

Date: 2014 - Pages: 103 - Paper: 125.00€ - Electronic: 114.00€



**Animal Health Newsletter**



The Newsletter is produced with the primary aim of providing the IDF community with knowledge of current activities in the field of animal health and welfare. It also offers a forum in which short descriptions of recent research, including summaries of PhD and master theses, different projects and campaigns from member countries are made available to all members.

The contributions are from members of the IDF Standing Committee on Animal Health and Welfare (SCAHW) and their collaborators, from all over the world. This issue of the Animal Health Newsletter represents the broad nature of SCAHW very well, with contributions covering from mastitis reduction campaigns and BVDV eradication to animal welfare, and paratuberculosis.

Want to contribute for the next issue? Get in touch with [ylva.persson@sva.se](mailto:ylva.persson@sva.se) or [MTucci@fil-idf.org](mailto:MTucci@fil-idf.org)

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