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Message from the Director General

Welcome to the new Board and new Scientific Programme Coordination Committee!

At the IDF World Dairy Summit in Berlin, the IDF General Assembly elected new members to the IDF Board of Directors.



The new composition of the IDF Board is as follows: Richard Doyle (CA) - IDF President, Claus Heggum (DK), Jorgen Hald Christensen (DK), Jeremy Hill (NZ), Rusty Bishop (US), Bertus de Jongh (ZA), Thomas Coley (CH), Rudolf Schmidt (DE), Pierre Doyle (CA) and Christian Robert.

Elections also took place for positions within the IDF Science and Programme Coordination Committee (SPCC). A new position on Environment was created in light of the crucial importance of this working area for the dairy sector.

The new composition of the SPCC is as follows:

Claus Heggum (DK) - Chair, Juan Romero (US), Paul Sauvé (CA), Cheryl McCrindle (ZA), B. K. Joshi (IN), Jean Vignal (CH), Craig Plymessenger (US), Michael Hickey (IE), Ed Komorowski (GB), Yvette Soustre (FR), Jean-Francois Boudier (FR), Jim Barnett (NZ).



Once again, the composition of both IDF bodies illustrates the diversity of origins and complementarity of competences among our IDF members. Welcome to all!

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

Success Story

Codex: IDF successfully defends good veterinary and agricultural practices

IDF has achieved great success at the third Session of the Codex Ad Hoc Intergovernmental Task Force on Antimicrobial Resistance (TFAMR) in Jeju (Rep. of Korea) from 12 to 16 October 2009. This success is a result of effective networking with Codex member country delegations and other observer partner organizations such as the World Organisation for Animal Health (OIE) and the International Federation of Animal Health (IFAH), followed up by well prepared and timely interventions during the debate.

The following outcomes of critical importance to the world dairy sector have been achieved:

- Addition of reference to the **Codex Code of Hygienic Practice for Milk and Milk Products** to be considered in the framework of Codex Foodborne Antimicrobial Resistance Risk Analysis (AMRRA),
- Retention of the scope of the risk analysis document to exclude **starter cultures and probiotics** since these microorganisms are well-defined and strictly-controlled for addition to food for technological or nutritional purposes; inclusion of a footnote to **FAO/WHO Guidelines for the Evaluation of Probiotics in Foods (FAO/WHO, 2002)** containing an internationally recognized definition on probiotics that is also supported by IDF,
- Adoption of the IDF request to change the definition of pathogen to refer also to **infection** rather than just **illness or disease** to support appropriate veterinary treatment of milking animals at risk of infection (e.g. dry cow therapy),
- Addition of a new overarching principle for Codex foodborne AMR RA to guide the development of risk management options to include, when ever appropriate, **animal health aspects relevant to food safety**,
- Change of the wording of a possible Risk Management Option from “**extra-/off-label use prohibition**” to “**restrict extra-/off-label use**” to accommodate appropriate antibiotic treatment of minor milking species such as ewes and goats in cases when there are no specific label instructions available owing to lack of data,
- Deletion of text with regard to possible Risk Management Options related to waste management in recognition of feasible agricultural practices

IDF should support the adoption of the revised text of the Codex Proposed Draft Guidelines for Risk Analysis of Foodborne Antimicrobial Resistance at Step 5 of the Codex procedure. The Codex Task Force on Antimicrobial Resistance will meet again, most probably for a very last time, in the Republic of Korea in October 2010.

The IDF observers' report containing full details of the discussions is available from the IDF Intranet section : [Links with international organizations / Codex Alimentarius / 2009 Codex / IDF Observers Reports to Codex 2009](#)



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

Programme of Work – Update on key projects

Farm Management

The Standing Committee on Farm Management is dealing with the following items:

- Commitment of active support to the up-coming new **IDF work on animal feeding**,
- Discontinuation of work on **Review of the recommended range of iodine content in milk, milk products and cattle feeds and review of related farming practices** as a follow-up decision from IDF Questionnaire 0908/SC FM because this seems to be a regional / national issue with very limited impact on and importance for the global dairy sector,
- New work item proposal on **revision of the IDF/FAO Guide to Good Dairy Farming Practices (2004)** IDF will consider additional Principles and Practices relating to economic and social sustainability and their implications for IDF member countries in different parts of the world, taking into account the outcome of IDF Questionnaire 0609/SC ENV on SAI Principles and Practices for Sustainable Dairy Farming,
- New Work Item proposal on **hygienic practices at farm level** will be coming shortly,
- New Work Item proposal on **survey on payment systems for ex farm milk** targeted at developing an on-line tool on ex-farm milk payment systems worldwide will be coming shortly,
- Identification of **communication opportunities**: suggestions made include to repel myths about dairy farming by explaining very basic issues about dairy farming, to develop fact sheets on animal welfare, and/or to underline the importance of the dairy farmer, the Chair is collecting ideas and input from the members.



David Homer, Chair, and Réjean Bouchard, Deputy Chair of SCFM

How to improve the involvement and visibility of dairy farmers within IDF is also identified as one of IDF strategic objectives. This will be achieved by strengthening collaboration with international and regional farmers' organizations (FAO, IFAP as well as European and global dairy farmer organizations) including means to transfer animal welfare principles and practices to small-scale dairy farmers, and organizing future IDF events or part of IDF World Dairy Summits dedicated to issues of particular interest to dairy farmers.

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

Food Additives

Food Additives in Codex standards for milk and milk products

A questionnaire addressing all outstanding food additives issues in preparation of the 2010 Codex Committee on Milk and Milk Products (CCMMP) and Codex Committee on Food Additives (CCFA) meetings, was circulated to IDF National Committees and SCFA experts with a request for replies by the end of October 2009. Replies are being compiled.

Comparison and Technological Accuracy of Food Additives provisions in Codex

A massive work that identified errors, outdated information, and differences between food additives listed in the Codex dairy standards and the Codex General Standard for Food Additives (GFSA) has been completed. This valuable food additive data source has been used to select specific actions that should be considered by IDF and recommended to CCFA and CCMMP. The CCMMP Secretariat is preparing a discussion paper, with input from IDF, identifying specific corrections that should be considered to have the food additive sections of the Codex dairy standards consistent with the Codex Procedures. The Action Team is also working on recommendations to a CCFA electronic Working Group that will identify challenges for combining the food additive sections of all Codex food standards into the GFSA and propose specific solutions.

Draft IDF Position Paper on CCFA Note 161

At the last CCFA, a concern was raised about the increased use of the note #161 (“Subject to national legislation of the importing country aimed, in particular, at the consistency with Section 3.2 of the preamble”) when there is disagreement on the inclusion of food additive information in the GFSA. A position paper has been distributed to IDF National Committees for their use.

CCFA eWG on Guidelines and Principles for Substances used as Processing aids

IDF is actively participating in the Codex electronic Working Group. Many of IDF’s recommendations were included in the most recent draft. Additional opportunities to comment will be available after the distribution by the Codex Secretariat.

Food Additives Workshop at IDF World Dairy Summit 2010 Auckland, New Zealand

At the suggestion of SCFA, the IDF World Dairy Summit 2010 will include a Workshop on “Harmonization of Dairy Food Additive Standards: International, Regional And National Perspectives”. Speakers will address food additive challenges in international trade from the perspective of Europe, Asia, North America and South America.



Preparation of fact sheets for IDF website.

Responding to the SPCC request to prepare fact sheets for the IDF website, the SCFA will draft information on: “What are food additives?” and “Harmonizing International Food Additives Systems - Trends in Food Additive Use”.

Next meeting

The SCFA proposed to meet in Auckland in conjunction with the CCMMP. This will be investigated and confirmed in due course to the members, and another meeting will be held at the next IDF World Dairy Summit in New Zealand.

Contact: [Don Snyder](#), Chair of SCFA or [Aurélie Dubois](#), (IDF)

Standards of Identity

Proposed Draft Standard for Processed Cheese

A CCMMP working document regarding the status of the Draft standard on Processed Cheese recalled that the physical working group had not been able to reach a consensus on the revision of the three current Codex standards (dated 1978) for processed cheese. The CCMMP could decide to revoke these standards. The SCSID members were asked to provide their views on whether the standards should be retained or revoked in view of determining IDF’s position for the coming CCMMP meeting. An Action Team will develop the pros and cons further to reflect domestic legislation in a new document.

Review and comparison of the Codex Generic Model Official Certificate and the Codex Model Export Certificate for Milk and Milk Products

An action team reviewed the two certificates, identified inconsistencies and will propose solutions for review by SCSID members, with a view to providing technical advice to CCMMP 2010 on any amendments required to the latter.



Identification of communication opportunities

In reply to the SPCC request to prepare fact sheets on topical items of interest to the public to be posted on the IDF website, the SCSID discussed several ideas and decided to start on “International standards”, and on the Nitrogen Protein Conversion Factor.

Annexes to Codex standards

SCSID agreed that IDF will prepare a discussion paper for the next CCMMP to support the retention of annexes of voluntary nature included in the standards.

Election of Deputy Chair

JC Gillis (FR) was elected Deputy Chair of the SCSID.

Contact: [Deborah van Dyk](#), Chair of SCSID or [Aurélie Dubois](#), IDF Standards Officer

Food Labelling and Terminology

SCFLT agreed on the following priority items for 2009/2010:

IDF input to Codex Committee on Food Labeling (CCFL)

IDF will submit comments and position statements on the following issues to the 2010 CCFL meeting to be held in Quebec City (CA) in May 2010:

- Food labeling issues related to the Codex Implementation of the WHO Global Strategy on Diet, Physical Activity and Health

- Revision of the Codex Guidelines on Nutrition Labeling concerning the list of nutrients that are always declared on a voluntary or mandatory basis;
- Issues related to salt/sodium declaration;
- Development of criteria/principles for legibility of nutrition labels.

- CCFL Discussion paper on Modified Standardized Common Names

The related SCFLT Action Team will monitor developments on this discussion paper in relation to dairy Codex Standards and ensure that the GSUDT will not be affected. IDF (via SCSID, with assistance of SCFLT) will be prepared for discussion at CCMMP.



- CCFL Revision of the Codex class titles (functional classes) and International Numbering System for food additives

IDF and the SCFLT AT will prepare for the discussion of this issue at CCFL 2010 by developing a position against the need to label the use of carriers and packaging gases.

Provision of Communication Fact Sheets

SCFLT will prepare fact sheets on the 'General Standard on Use of Dairy Terms (GSUDT)' and on the 'Content of the food label'.

For more details please see the minutes of the meeting on the IDF Intranet.

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

Nutrition and Health

The following priority work items for 2009/2010 were identified:

Input in the revision of the FAO report on Milk and Milk Products in Human Nutrition

FAO welcomes IDF's assistance in revising this 1972 report and in particular in identifying experts and suggesting author names.

Carbohydrates including a specific focus on lactose

This new work aims at providing scientific input on dairy carbohydrates including lactose; milk oligosaccharides; and galactooligosaccharides (GOS), in the form of peer-reviewed publications in the International Dairy Journal (IDJ).

Dairy and Children's Diet

This new work aims at publishing a review on Dairy and Children's nutrition which should be ready for presentation at the WDS 2010 in Auckland (NZ).

FAO/WHO Fats and Oils Review

SCNH and its Fats and Oils Action Team will work on the development of a speaker network on dairy fat/saturated fat for presentations at various symposia.



Dairy nutrition and environmental sustainability

A holding statement on nutrition and the environment has been developed. An AT will review the updated status of all ongoing IDF environmental sustainability work and further consider developing a proposal for an IDF Bulletin or a stand alone publication.

Coordination of Codex Nutrition Matters

The AT on Coordination of Codex Nutrition Matters and related Project Groups are working on several issues in preparation for the 2009 CCNFSDU meeting to be held in Düsseldorf (DE) November 2009, i.e. Nutrient Reference Values (NRVs) for labeling purposes; NRVs for nutrients associated with risk of non-communicable diseases, and development of principles for the addition of essential nutrients to food.

Communication opportunities

In addition to ongoing communication activities such as the IDF Dairy Nutrition Website <http://www.idfdairynutrition.org>, press releases and publication of articles, SCNH will develop fact sheets on 'Milk composition' and 'Dairy fat including TFA'.

For more information, read the minutes available on the IDF Intranet.

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

Dairy Policies and Economics

The World Dairy Situation

Cheese, butter, SMP and WMP powder world market prices are all significantly down from the peak observed in early 2008. Overall milk production growth increase expected for 2009 is the lowest growth level in more than a decade. The dairy market continues to suffer from the consequences of the surge of prices in 2007 and the worldwide recession is only intensifying the situation.

Country reports

The highlights include low milk prices leading to a number of producer actions, protests and milk strikes mainly in Europe, dairy product consumption slowing down in most countries as the global economic crisis progresses and the fact that several countries are working on the nutrition front with taxes on saturated fat, mostly in Europe. An Action Team will consider changes to the country reports survey and work to develop a method to communicate a summary report of this half-yearly activity more widely across IDF in the future.

A new Action Team to be led by Shawna Morris (US) will work to develop a new work proposal on dairy price volatility building on the results of the dairy and food inflation survey.

Call for input

A number of IDF member countries do not regularly participate in committee meetings and in submitting country reports. Members have been urged to seek colleagues in other IDF member delegations to join the committee and participate in the future activities.

Contact: [Robert Yonkers](#), Chair of SCDPE

Cooperation with IDF National Committees

IDF and IDF Korea

The IDF Technical Director was invited to participate at the meeting of the IDF National Committee of the Republic of Korea on 19 October 2009. A presentation on “How to approach dairy nutrition marketing - compiled from experience of different IDF member countries” was followed by discussion also covering other issues of topical interest to the local dairy industry, academia and other key stakeholders of the Korean IDF National Committee. These issues included the most recent meeting of the Codex Task Force on Antimicrobial Resistance, the forthcoming meeting of the Codex Committee on Milk and Milk Products and best practice and approach to tackle anti-dairy nutrition campaigns.

The stakeholders of the IDF National Committee of Korea debated future strategies to increase national milk production and consumption via:

- Focus on innovation and adding value through increase of production of dairy-based functional foods (currently the main dairy product categories in Korea are drinking milk and fermented milks),
- Strategies to address lactose intolerance – learning from experiences and best practices in other IDF member countries,
- Seeking governmental support for the expansion of school milk programmes
- Better promotion of milk and milk products through nutrmarketing to emphasize positive health effects of milk components and functional properties of certain products, and
- Combating anti-dairy nutrition campaigns on the basis of scientific evidence provided by IDF and other credible sources of unbiased science-based information and knowledge.



Representatives of the IDF National Committee of Korea

A proposal for a future IDF event on dairy supply and demand systems connected with dairy marketing, most probably to be organized in Seoul/ Republic of Korea in early/mid 2011, is currently being developed. IDF Korea would be pleased to invite IDF experts of the Standing Committees on Dairy Policies and Economics and Marketing to join and to play an active role in the design and execution of the programme of the planned event.

A handout of the nutrmarketing presentation of the IDF Technical Director is available from the IDF Intranet - section : [Communications and Public Affairs / Presentations / 2009 Presentations](#)

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

IDF Events

IDF 5th International Mastitis Conference, 21-24 March 2010, Christchurch, New Zealand

Progress on the 5th IDF International Mastitis Conference 2010 is advancing rapidly, with most arrangements already in place.

Highlights of the programme include the opening keynote address by Professor Walther Heeschen, one of the enduring characters in milk quality and mastitis. His key paper at the 1975 (first) IDF Mastitis Conference remains a signal reference on cell counting. He provides a breadth of knowledge from science to regulatory affairs, and from politics to commerce that makes him ideally qualified to present the overall plenary review.

The keynote speaker line up includes:

- Sarne De Vliegher, University of Ghent, Belgium
- Joe Hogan, The Ohio State University, USA
- Henk Hogeveen, University of Wageningen, The Netherlands
- Chris Kelly, Landcorp, New Zealand
- Scott McDougall, Morrinsville Animal Health Centre, New Zealand
- Morten Rasmussen, Danish Institute of Agricultural Sciences, Denmark
- Ynte Schukken, Department of Population Medicine and Diagnostic Sciences, Cornell University, USA
- Lior Yaron, DeLaval, Sweden

Technical tours have been planned, with farms to be visited representing a range of New Zealand dairy systems from the extensive, predominantly pasture-fed system to a robotic milking system that uses higher levels of supplementary feeding whilst still grazing cows and without housing. Key points about the feed management of cows in grazing systems and discussion of milk quality management in herds of more than 500 cows will be a focus of these tours.

The following IDF expert bodies plan to meet in conjunction with the Mastitis conference: IDF Standing Committee on Animal Health (SCAH), SCAH Action Team on Mastitis, IDF SCFM (Farm Management) Action Team on Milking Equipment and Methods.

For further information, check out the website: www.idfmastitis2010.com

Register now to take advantage of the early bird discount, which closes on the 21 January 2010! To encourage you further, all who register prior to Christmas will go into a draw for one lucky person to have their registration refunded in full.

Contact: [Clare Wilton](#), Conference Manager

IDF/ISO Analytical Week 2010, 17 to 21 May 2010, Montreal, Canada

The website, www.idf-iso-analytical-week.org, has been updated with hotel, registration and general information.

The detailed schedule and online registration will be available in January 2010. Special hotel rates will be offered to participants.

This website is available in English and French, and will host the websites for all future IDF/ISO analytical weeks.

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

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

The Organizing Committee of the IDF World Dairy Summit 2010 is pleased to report that the preparations for the Auckland Summit are progressing extremely well.

The WDS2010 programme will address the key areas of Sustainability, Economics, Innovation and Bioactives. An impressive keynote speaker line-up is already in place.

Participating from France are Ken Ash (Director, OECD) and Dr Christelle Lopez (UMR Science et Technologie du Lait et de l'Oeuf, INRA). We are also pleased to welcome Cees 't Hart (FrieslandCampina) from The Netherlands and Claus Heggum (Danish Agricultural & Food Council from Denmark). Jerry Kozak (National Milk Products Federation) and Allen Saylor (International Dairy Foods Association) will fly the flag from the US with Dr Sylvie Turgeon (STELA Dairy Research Centre, Université Laval) from Canada.

From the New Zealand Government, we look forward to welcoming the Hon. David Carter (Minister for Agriculture, Biosecurity, Forestry) and the Hon. Tim Groser (Minister for Trade, Associate Minister for Climate Change Issues). Finally, heading the local corporate charge is Andrew Ferrier (CEO, Fonterra). Dr Tim Mackle (CEO, DairyNZ), Rod Oram (Journalist) and Prof. Harjinder Singh (Riddet Institute) complete the keynote line up so far. The list of keynote speakers is being expanded as we write and is envisaged to be complete by March 2010.

To compliment the conference programme, several technical tours (half day or full day) have been put in place, covering both the North Island and the South Island. These will showcase dairy factories, boutique and large cheese plants, organic and cultural farms, research, innovation and packaging sites and environmental initiatives. Details of these tours are available on the Summit website www.wds2010.com/tech.html

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.

Detailed information is available on www.wds2010.com

Contact: [Andy Williams](#), Convenor

IDF/ISO Analytical Week 2011 – Mark your calendar!

The IDF/ISO Analytical Week 2011 will be hosted by the IDF French National Committee, FIL France, from 22 to 27 May 2009. The city is yet to be determined.

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



IDF Symposia on Fermented Milk and on the Microstructure of Dairy Products, June 2010, Tromsø, Norway

On-line registration is now available!

To register for the IDF Symposium on Science and Technology of Fermented Milk, visit <http://www.idffer2010.no/>

To register for the IDF Symposium on Microstructure of Dairy Products, visit <http://www.idfmic2010.no/>

To register for both IDF events, visit any of the two links provided above.

Do not wait... Register before 1 February 2010 and get a reduced early bird registration fee!

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

IDF Publications

Bulletin of the month

Bulletin of the IDF No. 438/2009 - Interlaboratory Collaborative Studies on Reference Method ISO 1211|IDF 1 for the Determination of the Fat Content in Cow Milk, Sheep Milk and Goat Milk

The gravimetric reference method for determination of fat in milk (International Standard ISO 1211|IDF 1) was subjected to new international interlaboratory studies to establish its precision characteristics (reproducibility, R, and repeatability, r). In these new studies the method was applied to cow whole milk, cow reduced-fat milk and cow skimmed milk and to milk from sheep and goats. This paper is the report of the interlaboratory studies.

Pages: 34 - Price: 30 Euro - Date: 2009

Joint IDF-ISO standards

IDF 128-1 | ISO 8196-1 (2009) - Milk - Definition and evaluation of the overall accuracy of alternative methods of milk analysis - Part 1: Analytical attributes of alternative methods

This standard specifies various performance characteristics that constitute and serve to characterize the overall accuracy of an analytical method. It furthermore establishes general principles for the design of experiments and gives guidelines for the procedures to be used to evaluate these characteristics quantitatively.

Pages: 13 - Price: 52.99 Euro - Date: 2009

IDF 128-2 | ISO 8196-2 (2009) - Milk - Definition and evaluation of the overall accuracy of alternative methods of milk analysis - Part 2: Calibration and quality control in the dairy laboratory

This standard gives guidelines for the calibration of instruments and quality control procedures for milk analysis in dairy laboratories.

Pages: 25 - Price: 74.18 Euro - Date: 2009

IDF 128-3 | ISO 8196-3 (2009) - Milk - Definition and evaluation of the overall accuracy of alternative methods of milk analysis - Part 3: Protocol for the evaluation and validation of alternative quantitative methods of milk analysis

This standard specifies a protocol for the evaluation and validation of alternative quantitative methods of milk analysis.

The protocol is applicable to all milk components, including somatic cells. For microbiological parameters other standards, such as ISO 16140, apply. This standard is also applicable to the validation of new alternative methods where a limited number of analysts does not allow the organization of an interlaboratory study and IDF 128-1 | ISO 8196-1, therefore, does not apply.

This standard also establishes general principles of a procedure for granting international approvals of these alternative methods. These principles are based on the validation protocol defined in this standard.

Pages: 45 - Price: 94.05 Euro - Date: 2009

IDF 142-1 | ISO 12080-1 (2009) - Dried skimmed milk - Determination of vitamin A content - Part 1: Colorimetric method

This standard specifies a colorimetric method for the determination of vitamin A in dried skimmed milk containing at least 10 IU (International Units) of vitamin A per gram.

Pages: 8 - Price: 38.42 Euro - Date: 2009

IDF 142-2 | ISO 12080-2 (2009) - Dried skimmed milk - Determination of vitamin A content - Part 2: Method using high-performance liquid chromatography

This standard specifies a method using high-performance liquid chromatography (HPLC) for the determination of vitamin A in dried skimmed milk containing at least 10 IU (International Units) of vitamin A per gram.

Pages: 8 - Price: 38.42 Euro - Date: 2009

IDF 152 | ISO 11870 (2009) - Milk and milk products - Determination of fat content - General guidance on the use of butyrometric methods

This standard gives guidance on: a) existing standardized methods (both reference and butyrometric) for the determination of fat in various milk products; b) the principles underlying any acid-butyrometric analysis and the main operating requirements; c) a validation procedure for a butyrometric method in relation to the relevant reference method.

Pages: 7 - Price: 38.42 Euro - Date: 2009

IDF 167 | ISO 14378 (2009) - Milk and dried milk - Determination of iodide content - Method using high-performance liquid chromatography

This standard specifies a high-performance liquid chromatographic (HPLC) method for the determination of the iodide content of pasteurized whole milk and dried skimmed milk, when present at levels from 0.03 µg/g to 1 µg/g and 0.3 µg/g to 10.0 µg/g, respectively.

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

IDF 174 | ISO 11865 (2009) - Instant whole milk powder - Determination of white flecks number

This standard specifies a method for the determination of the white flecks number (WFN) in instant whole milk powder.

Pages: 6 - Price: 33.12 Euro - Date: 2009

Contact: [Oscar Chavez](#), IDF Office Manager

The IDF Guide to Good Animal Welfare in Dairy Production is now available in French for free download on the IDF website. We would like to express our special thanks to Jean-Marc Bèche (FR), Jennifer Huet (FR), Pierre Doyle (CA) and Réjean Bouchard (CA) for their assistance in translating this guide.



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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.

The scientific expertise for the dairy sector worldwide