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## Message from the Director General

### Dynamism and innovation at IDF in 2008!



IDF has continued to progress in 2008 with a record of initiatives aiming at reinforcing its already strong performance and to maintain its focus on added value to the global dairy sector.

The highlights of the year include:

- ▶ The new website on nutrition providing access to high quality, up-to-date and accurate information on the unique nutritional benefits of milk and milk product;
- ▶ The first IDF/FAO/WHO Symposium on Revolution in Food Safety Management;
- ▶ The first IDF Dairy Farming Summit in June 2008 which facilitated learning and exchanges on vital issues facing farmers, including energy, bio-diversity and water supplies;
- ▶ The new 'Leaders Brief' newsletter, providing concise information targeted towards senior managers in the dairy sector;
- ▶ The first IDF/INRA International Symposium on Minerals and Dairy Products;
- ▶ A new Task Force was established on environmental sustainability;
- ▶ The new IDF leaflet on Improving environmental performance;
- ▶ A new Marketing award linked to environment;
- ▶ The new "IDF Guide to Good Animal Welfare in Dairy Production", produced with expert participation from the World Organisation for Animal Health (OIE) and the Food and Agriculture Organization of the United Nations (FAO);
- ▶ The new leaflet "IDF best recent achievements" summarizes how IDF increases value to all stakeholders across the dairy chain.

It stands out that 2008 has been a very constructive and record year in several areas of our activities. This success reinforces our organization for the benefit of all stakeholders of the dairy sector.

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

## Success Stories

### Codex draft standards for risk analysis of foodborne antimicrobial resistance to be based on science and taking into account the needs of the global dairy sector

The second Session of the Codex Ad Hoc Intergovernmental Task Force on Antimicrobial Resistance (TFAMR), Seoul (KR), 20-24 October 2008, agreed to consolidate the three previously separated sub-items on :

- Risk Assessment Guidance Regarding Foodborne Antimicrobial Resistant Microorganisms,
- Risk Management Guidance to Contain Foodborne Antimicrobial Resistant Microorganisms, and
- Guidance on Creating Risk Profiles for Antimicrobial Resistant Foodborne Microorganisms for Setting Risk Assessment and Management Priorities.

into one draft Codex document titled “Proposed Draft Guidelines for Risk Analysis of Foodborne Antimicrobial Resistance”.

The IDF delegation participated very actively in the debate. Through effective networking with Codex member country delegations and other partner organizations of the private agri-food sector present, IDF was able to achieve favourable outcomes with regard to most of the comments and suggestions that had been submitted in writing prior to the session (available from IDF Internet section of IDF submissions to Codex). IDF has argued very strongly and with success for the recognition of animal health as a contributing objective to be considered when evaluating risk management options for antimicrobial resistance risk management. Furthermore, several theoretical management options that were not realistic, not science-based or not within the mandate of Codex have been deleted.

A still pending issue of particular concern to the dairy sector is Codex recognition to be given to the need of dry cow treatment in the dairy sector as an example of prophylactic use of antimicrobials that is targeted at reducing the risk of infection and subsequent spread of animal disease with negative consequences for animal health, animal welfare and microbiological hygiene and food safety. The preliminary Codex TFAMR conclusion states “Disease prevention/prophylactic use in healthy animals not considered to be at risk

of infection or prior to the onset of clinical infectious disease, should be avoided.” There is still work to be done on finalising definitions in the document, including prophylactic use. This will provide further opportunity for IDF to influence how this issue is treated. IDF will continue to work with its partners in governments and the private sector in order to ensure appropriate recognition of the need and responsible use of antimicrobials in the dairy sector.

All Codex members and observers interested in can participate in an US-led electronic working group that will revise the forthcoming report from the second session of TFAMR and finalize the draft document with a dead-



*IDF delegates to Codex TFAMR: Dr. Robin Condron (Dairy Australia) and Joerg Seifert (IDF Technical Director)*

line for comment by the end of February 2009. A revised version of the consolidated document prepared by the electronic Working Group should be disseminated at Step 3 of the Codex procedure via Codex Circular Letter by the end of May 2009 for comments. The third session of TFAMR will likely take place in Seoul/Republic of Korea in October 2009.

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

## **IDF/INRA First Symposium on Minerals and dairy products, Saint-Malo, France, 1-3 October**

At the IDF/INRA First Symposium on Minerals and dairy products, in Saint-Malo, France, 1-3 October, international experts gathered not only to address the status of knowledge about dairy minerals, but also to identify unsolved problems and come up with solutions.

The event attracted 215 participants from 32 countries around the world, among which industry representatives and academics including researchers, teachers and students. The event was designed so to link science and its industrial application. It triggered fruitful dialogue between researchers and industrials on the properties of milk, on calcium and phosphates, and also on trace elements such as iron and zinc. It was a unique opportunity to benefit from new insights and to build and strengthen international knowledge transfer and partnerships.

The enthusiasm of the attendees and the participation of 45 speakers from 16 countries show the importance of the minerals fraction of dairy products. The scientists have now demonstrated a better understanding of minerals equilibrium in dairy products. There is an opportunity for the industry to develop innovative dairy products.

The outcomes of the symposium are promising. Key presentations emphasized the high-value usage of the mineral fraction of dairy products such as whey through the scientific knowledge, the development or adaptation of technologies, and innovation supported by the dairy sector. Now further work in general, and in particular on the nutritional aspects linked to the use of the minerals, is expected.

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



*Symposium participants*



*Dr. Frédéric Gaucheron, INRA, Symposium Organizer*

## Successful regulatory outcomes on use of health claims on dairy and bone health

Positive opinions on the scientific substantiation of health claims related to vitamin D and bone health have been released recently by both the European Food Safety Authority (EFSA) and the US Food and Drug Administration (FDA). These are landmark decisions in the interests of the dairy industry worldwide.

The permission to use dairy health claims related to calcium, vitamin D and bone health provides an important opportunity for the worldwide dairy industry to promote the unique nutritional value of milk and milk products and their benefits for improved health. Milk and dairy products are an excellent source of calcium. Full fat and fortified dairy products are also an excellent source of vitamin D. These nutrients are important for strong bones, bone growth of children and they may play a role in reducing the risk of osteoporosis.

IDF contributed to the scientific basis and argumentation leading to these successful outcomes by publication of peer-reviewed publications on the subject of dairy and bone health and through (the organization of) various scientific nutrition-related events in which the topic was debated.

EFSA issued its positive scientific opinion on the substantiation of a health claim related to vitamin D and bone growth under the claims referring to children's development and health. For more information see the EFSA website ([http://www.efsa.europa.eu/EFSA/efsa\\_locale-1178620753812\\_ScientificOpinionPublicationReport.htm](http://www.efsa.europa.eu/EFSA/efsa_locale-1178620753812_ScientificOpinionPublicationReport.htm))

In addition, FDA published a final Rule allowing reduced fat, lowfat, and fat-free milk and other eligible dairy products to display a health claim that states that adequate calcium and vitamin D throughout life, as part of a well-balanced diet, may reduce the risk of osteoporosis. FDA set the effective date for this regulation as January 1, 2010 but processors may immediately begin using the new claim on food product labels.

<http://www.fda.gov/OHRMS/DOCKETS/98fr/E8-22730.pdf>

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

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## Communications

### Imminent launch of a new web service for dairy laboratories

IDF is about to launch a new service on its public website to locate laboratory expertise by searching a list of **dairy laboratories worldwide**. Detailed information about the type of dairy products analysed, the methods used, and the focus of the activity of the laboratories will be featured in this searchable database.

The direct link to this new tool will be sent shortly.

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

## IDF Programme of Work

### Nutrition

#### **Timely progress with regard to the implementation of the IDF SCNH Strategic Plan 2007-2009**

The IDF Standing Committee on Nutrition and Health is on track with the execution of its Strategic Plan 2007-2009 "Delivering good nutrition and health through quality milk and dairy products" with intensified attention to nutrition and positive dairy messages. The Strategic Plan identifies science and knowledge generation, communication, and food and nutrition policy as the SCNH's top three priorities. SCNH and its Action Teams have made considerable progress on all of these priorities.

In terms of communication, the IDF Dairy Nutrition Website (<http://www.idfdairynutrition.org>) was launched early 2008, targeting consumers, health professionals and journalists. As to food and nutrition policies, SCNH - in collaboration with the SCFLT - has been very active in providing scientific-technical input to Codex Alimentarius on several nutrition related topics. An IDF delegation will participate in the next meeting of the Codex nutrition committee (CCNFSDU) in Cape Town from 3-7 November 2008. Several Action Teams of IDF are working on scientific subjects and collaborating in the organization of dairy nutrition events.

Throughout 2008, SCNH has successfully increased cooperation with several international organizations. For example, IDF collaborated with ILSI Europe in the organisation of a workshop on Probiotics, and has continued to have permanent representation of an IDF liaison expert in the ILSI Europe Probiotics Task Force and Prebiotics Task Force. In addition, the IDF Nutrition Officer became member of the Utrecht Group, which facilitates information exchange between the two organizations. Coordination of dairy messages is also ensured by the creation of a closer liaison between IDF and EDA through meeting participation of the respective nutrition officers. Finally, IDF had initiated and successfully conducted a meeting on scientific update on dairy fats and coronary heart diseases (CHD). It was the first collaborative project in terms of sponsorship provided by GDP to the organization of the meeting.

In these times of global developments and changing needs for the dairy sector as a whole, SCNH recognizes the importance of collaboration and ensures alignment with other international bodies in the field of dairy, nutrition and health.

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

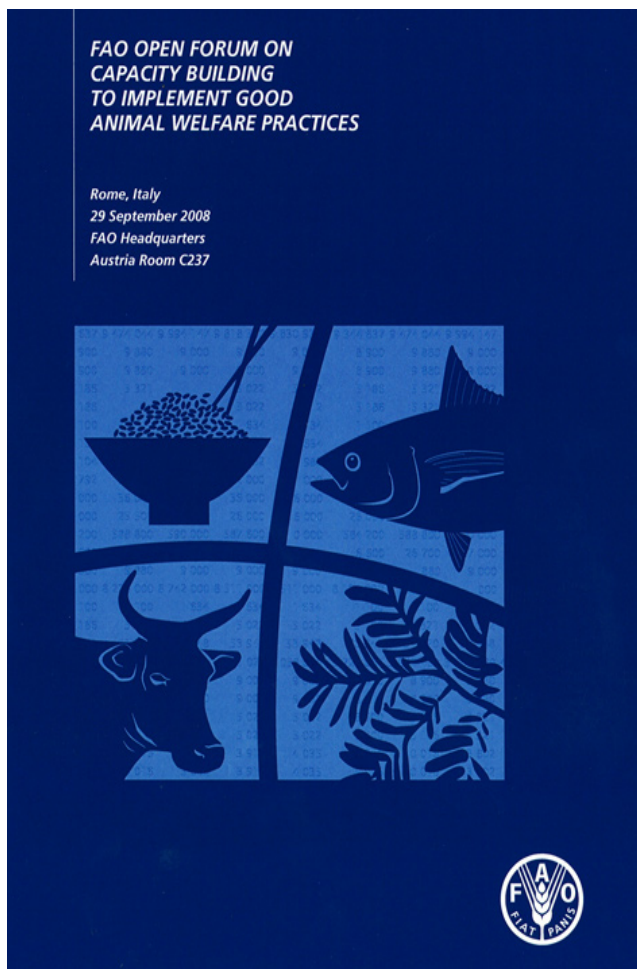
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### Dairy Farming

#### **IDF demonstrates leadership in animal welfare at international FAO capacity building meeting**

Following the very successful outcome of the work that has resulted in the latest IDF publication titled "IDF Guide to Good Animal Welfare in Dairy Production", including fruitful cooperation between IDF and the Food and Agriculture Organization of the United Nations (FAO) and the World Organisation for Animal Health (OIE) at the level of the Project Group, FAO invited IDF to present its guide setting out science-based recommendations on welfare in dairy production in Rome/Italy on 29 September 2008.

Several leading international animal welfare activist organizations made use of the occasion of the FAO pre-meeting to illustrate bad animal welfare practices in large-scale industrial livestock production with particular focus on the meat industry (beef and poultry) and by placing focus on cruelty to animal at different stages of production, including transportation and slaughter. IDF and three other private agri-food sectors presented their work programmes and achievements in an effort to balance the afore-mentioned negative perceptions. The meeting expressed much appreciation to IDF for having provided a set of science-based principles and practices for ensuring good animal welfare in milk production that are crucial for the production of safe and wholesome milk.



The Director of the FAO Animal Production and Health Division summarized the discussions and conclusions from the meeting by calling for a closer collaboration between the public and the private sector. He highlighted the example of the established close collaboration between FAO and IDF with regard to developing best practices in all critical parts of the dairy food chain. As an outcome of the meeting, FAO will focus its capacity building efforts with regard to animal welfare on the existing standards of the OIE and integrate related activities into existing FAO capacity building programmes in the livestock sector.

IDF will continue to support the adoption of minimum standards for animal welfare that are harmonized internationally through the OIE as well as the related capacity-building efforts of the FAO. This can be achieved through close dialogue and partnership between dairy farmers, dairy processors, consumers, communities, animal welfare groups, industries, trading partners, researchers, veterinarians and governments as critical for effective construction and implementation of a strategy addressing animal welfare. IDF will contribute to the extensive communication activities required to keep diverse stakeholders better informed of achievements and approaches in each country and to foster a broad understanding of animal industry practices from a welfare perspective.

For more information, please download from the IDF Intranet the handouts of the IDF presentation and IDF observers' report from the meeting.

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

## IDF Events

### DIAA/IDF Functional Dairy Foods

24-25 February 2009, Melbourne, Australia



This conference, which is part of the Dairy Science World Series, will focus on new opportunities and challenges in production and bioactivity of functional dairy foods and their impact on health. The program will include keynote presentations on functional dairy ingredients and their impact on health, technologies for the production of functional dairy products, personalised dietary intervention approaches (nutrigenomics) and effects of dairy ingredients on metabolic health. Furthermore, the conference presentations will address issues related to the rapidly evolving regulatory landscape and the scientific substantiation of health claims. A very important session will be dedicated to presentations from industry to provide input on where industry thinking is focused in these innovative fields of research.

The conference proceedings (a special issue of the Australian Journal of Dairy Technology, containing peer reviewed papers of all oral presentations) will be prepared in advance of the conference, and be of significant value to delegates during the conference and beyond as an information resource.

Latest information including the full programme and on-line registration is available at <http://www.diaa.asn.au>

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

### Fourth IDF Dairy Science and Technology Week

20-24 April 2009, Rennes, France



Online registration is available! Register now at <http://www.fil-idf-dstw2009.com/en.html>

Deadline for submission of abstracts: 15 December 2008.

For more detailed information, visit <http://www.fil-idf-dstw2009.com/en/appel-a-contributions.html>

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

## MARK YOUR DIARY NOW!

### **IDF World Dairy Summit 2009**

20-24 September 2009, Berlin, Germany



The First Announcement will be available for all participants of the IDF World Dairy Summit in Mexico. This brochure will provide details regarding the conference programme, the technical tours, the social events and general information.

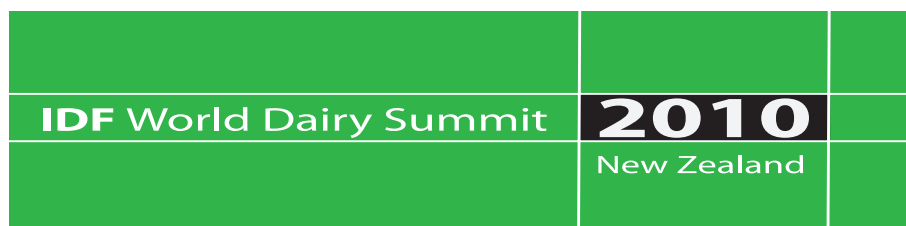
Visit the booth promoting the **IDF World Dairy Summit 2009** and get your copy!

The First Announcement will also be available shortly on the event website at <http://www.wds2009.com>

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

### **IDF World Dairy Summit 2010**

04-11 November 2010, Auckland, New Zealand



New Zealand is very pleased to be selected as the host for the IDF WDS 2010 and is preparing to deliver an outstanding event. The theme “Discover ... natural inspiration” strongly focuses the programme to showcase the positives of dairy.

Following the opening ceremony, the Summit will commence on Monday afternoon (8 November) with the Dairy Leaders Forum and will continue from Tuesday through to Thursday. A range of conferences and workshops will tackle the topical issues of the day including Dairy Policies & Economics Nutrition & Health, Science & Technology and Farming & Environment. The subject of Sustainability will be analysed from different angles, particularly from a farming perspective.

The programme will focus on issues of global importance. In addition, participants will get the opportunity to experience first-hand aspects of dairying “down-under” through both the conference programme and Technical Tours. Sign on to the website to suggest options that you may wish to participate in. An attractive package of leisure tours will be available for those who wish to discover the beauty of New Zealand. Discover natural inspiration!

WDS2010 will be held in Auckland, New Zealand at the SKYCITY complex in the CBD. Visit the web site <http://www.wds2010.com> for more details about the event.

Contact: [Andy Williams](#), Convenor WDS 2010 Organising Committee

## SAVE THE DATE

### **IDF International Symposium on Sheep and Goats Milk to tackle current and future challenges to the production of ewes and goats milk and related dairy products**

16-18 May 2011, Athens, Greece



**IDF International Symposium on Sheep and Goats Milk**  
Organized by the IDF National Committee of Greece - Under the auspices of IDF

At the first meeting of the Organizing Committee of 10 October 2008 it was agreed to advance the planning and process of the establishment of a top-class programme covering a variety of aspects including: husbandry and milk production, chemistry, physics, microbiology, analytical methods and tools, innovative processing technologies, quality and safety, nutrition and health, latest marketing trends in the context of markets and appropriate policies as they have evolved since 2007.

The Organizing Committee expects more than 400 participants from all over the world including scientists, milk producers, dairy industry and supplying industry, trade associations, academia, research institutes, government and food control authorities to participate at the 4-yearly top IDF event dedicated specifically to non-cow milk.

For the very first time, IDF will invite scientific contributions also with regard to other cattle milking animal species including buffalo, camel, yak etc., which are gaining increasing importance in certain markets because of natural and climate conditions that do not favour the husbandry of dairy cattle (such as dry and hot countries that may want to boost domestic milk production from adapted species).

A large-scale poster session will be organized in order to attract scientists and students to present their research projects and to participate actively. The conference will be combined with an attractive social programme inviting everyone to enjoy the uniquely warm hospitality of Greece.

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

## List of upcoming events

- **IDF/DIAA Conference on Functional Dairy Foods,**  
24-25 February 2009, Melbourne, Australia
- **Fourth IDF Dairy Science and Technology Week,**  
20-24 April 2009, Rennes, France
- **IDF/ISO Analytical Week,**  
18-22 May 2009, Kislovodsk, Russia
- **IDF World Dairy Summit 2009,**  
20-24 September 2009, Berlin, Germany
- **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 International Symposium on Cheese Ripening and Technology,**  
2012, Madison, Wisconsin, USA

View all IDF Events at:

<http://www.fil-idf.org/EventsCalendar.htm>

## IDF Publications

### Bulletin of the month

#### **Bulletin of the IDF No. 432/2008 - The World Dairy Situation 2008**

The World Dairy Situation is considered an essential and useful resource by the global dairy community and is presented at the annual IDF World Dairy Summit.

The aim of this yearly review is to investigate major developments, new trends, and the evolution of demand for dairy products as well as gather statistics on production, consumption and trade in all regions of the world, more specifically in IDF member countries.

It provides relevant information and input into strategic thinking of many organizations and individuals alike, including companies, trade organisations, federations, economists, marketers and even scientists, worldwide.

Available as of 13 November 2008.

**Pages: 95 - Price: 75,00 Euro - Date: 2008**

## Joint IDF-ISO Standards

### **ISO 1736|IDF 009:2008 - Dried milk and dried milk products - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of the fat content of dried milk and dried milk products. The method is applicable to dried milk with a fat content of 40 % mass fraction or more, dried whole, dried partially skimmed, and dried skimmed milk, dried whey, dried buttermilk and dried butter serum.

The method is not applicable when the powder contains hard lumps which do not dissolve in ammonia solution or free fatty acids in significant quantities.

**Pages: 14 - Price: 51,66 Euro - Date: 2008**

### **ISO 1737|IDF 013:2008 - Evaporated milk and sweetened condensed milk - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of the fat content of all types of evaporated milk and sweetened condensed milk (liquid sweetened and unsweetened concentrated milk).

**Pages: 15 - Price: 55,64 Euro - Date: 2008**

### **ISO 2450|IDF 016:2008 - Cream - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of the fat content of raw, processed and sour cream in which no appreciable separation or breakdown of fat, due to lipolysis, has occurred.

The method is not applicable to sour creams with starch or other thickening agents.

**Pages: 14 - Price: 51,66 Euro - Date: 2008**

### **ISO 7208|IDF 022:2008 - Skimmed milk, whey and buttermilk - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of the fat content of liquid skimmed milk, whey and buttermilk. It is a particularly accurate gravimetric method especially for the purpose of establishing the operating efficiency of cream separators.

This standard also specifies the reference method for establishing correction tables for procedures with skimmed milk butyrometers.

**Pages: 14 - Price: 51,66 Euro - Date: 2008**

### **ISO 1854|IDF 059:2008 - Whey cheese - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of fat content of whey cheese.

The method is not applicable to products which do not dissolve completely in ammonia solution or which contain free fatty acids in significant quantities.

**Pages: 14 - Price: 51,66 Euro - Date: 2008**

## **ISO 7328|IDF 116:2008 - Milk-based edible ices and ice mixes - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of the fat content of most milk-based edible ices and ice mixes.

The method is also applicable to concentrated and dried ice mixes.

The method is not applicable to some milk-based edible ices and ice mixes, in which the level of emulsifier, stabilizer or thickening agent or of egg yolk or of fruits, or of combinations of these constituents makes the Roese-Gottlieb method unsuitable.

**Pages: 15 - Price: 55,64 Euro - Date: 2008**

## **ISO 8381|IDF 123:2008 - Milk-based infant foods - Determination of fat content - Gravimetric method (Reference method)**

This standard specifies the reference method for the determination of the fat content of milk-based infant foods. The method is applicable to liquid, concentrated and dried milk-based infant foods with no, or not more than a mass fraction of 5 % (dry matter) of such added matter as starch, dextrin, vegetables, fruit and meat.

The method is not applicable to products, which do not dissolve completely in ammonia owing to the presence of starch or dextrin at mass fractions of more than a few percent, or to the presence of hard lumps. The method is also not applicable to products, which contain free fatty acids in significant quantities. The results obtained for these products will be too low.

**Pages: 15 - Price: 55,64 Euro - Date: 2008**

Contact: [Oscar Chavez](#), 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 53 countries and is growing; IDF accounts for about 82% 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**