

INTERNATIONAL DAIRY FEDERATION

ANNUAL REPORT 2019-20



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Our mission

Helping to nourish the world with safe and sustainable dairy

Our roles

- Provide science-based expertise
- Build consensus for the global sector
 - Serve as the global voice of dairy to intergovernmental organisations





PRESIDENT'S INTRODUCTION

The events of 2020 have reinforced the value of the dairy sector and IDF



“Governments must continue to recognise dairy as an essential part of the effort to keep consumers healthy and fed long term.”



Early in 2020, life as we know it came to a grinding halt as the coronavirus pandemic left countries struggling to respond to the rapidly spreading virus. Around the world, schools, restaurants, shops, and many workplaces closed doors, as people were urged to remain inside their homes to contain the spread of the disease.

While COVID-19 has changed how we live and think about the world and prevented our IDF community meeting in person, we must take heart and remember the positives.

Over the last year, dairy's place as a staple source of nutrition, whose traditions are deeply woven into societies all around the world, providing jobs and economic security for many families, was clear, as consumers around the globe turned to the comfort of the dairy foods they trust in these troubling times.

I am proud of how our dairy farmers, processors and indeed everyone in the dairy supply chain has responded to the crisis, working tirelessly and with agility, creativity, and resilience to ensure a sufficient supply of food during this critical time in our history.

I am also incredibly proud of how our IDF members have joined with the IDF head office team in ensuring all our programmes of work have continued to be delivered to the highest quality within a new working environment.

The events of 2020 have shown without doubt just how important dairy is to the world, and its vital contribution to all the pillars of sustainability. Looking ahead, it is important that we hold onto this knowledge and share it far and wide, to ensure that governments continue to recognise that the quality nutrition provided by dairy is an essential part of the effort to keep consumers healthy and fed long term.

I believe the events of 2020 have also reinforced the value of the IDF to its members and to the stakeholders we work with around the world daily.

As I look back on my four years as President of the IDF, I feel enormous gratitude towards all our members and experts around the world who each year support and help this great organisation represent the dairy sector with integrity and a strong evidence base. I am proud of what we have achieved in the last four years as an IDF community and I am very grateful to all my Board colleagues and to our head office team for their hard work and dedication.

I hope that 2021 will bring us better times when we can all meet in person again— but until then, at least we know we can rely on dairy to see us through.

Dr Judith Bryans BSc PhD RNutr
President

“I am proud of how our dairy farmers, processors and indeed everyone in the dairy supply chain has responded to the crisis.”





MESSAGE FROM THE DIRECTOR GENERAL

Keeping pace with a changing world



“New ideas, strong partnerships, and global conversations are required to work through the tough decisions and trade-offs we inevitably face”



Almost 117 years have elapsed since IDF was founded on the 3 November 1903, and in that time, the Federation has supported the global dairy sector through two world wars, various economic and financial crises, and major socio-economic and technological changes. Most recently, the global outbreak of a new coronavirus has rocked international communities, leaving no sector unscathed.

COVID-19 has shown without doubt how vital it is for sectors to be able to pivot and shift from response to recovery, and it has been great to see that both governments and consumers around the world recognized the essential role of dairy. As an organization, IDF has managed to adapt to its changing environment to support the sector and its members. IDF's aim is to continue responding to the dairy community's expectations and requirements, and we look to the future with strength, optimism, and an open mind, and knowing that the agility, creativity and resilience of the dairy sector stands us in good stead.

Casting light on IDF work and dairy's contribution

Over the past 12 months, we have continued to prioritise and support the dairy sector on vital work to:

- Ensure dairy is recognised as an essential component in sustainable food systems and healthy diets
- Contribute to vital standard setting and scientific advice to Intergovernmental organizations
- Remain a global forum for knowledge and experience sharing
- Show how milk and dairy foods are delivering on the UN Sustainable Development Goals.

IDF has made great efforts to ensure that it remains an active participant at the table even during these difficult times, participating in virtual panel discussions of the Food and Agriculture Organization of the United Nations (FAO) and World Trade Organisation (WTO), and at important global events, which included presenting its work in India at the 48th Dairy Industry Conference.

We continue to collaborate with key stakeholders and forge strong strategic partnerships with bodies such as Codex Alimentarius, the World Health Organisation (WHO) and other intergovernmental agencies as representatives of the dairy sector. Dynamic engagement with our colleagues from the livestock sector also continues, including with the Global Alliance for Sustainable Livestock (GASL) and Livestock Environmental Assessment Performance Partnership (LEAP), which I had the honour of chairing in 2019.

“As an organization, IDF has managed to adapt to its changing environment to support the sector and its members.”

New ideas, strong partnerships, and global conversations are required to work through the tough decisions and trade-offs we inevitably face. Looking ahead, we look forward to playing a key role in the UN Food Systems Summit in 2021, to contribute to actions that transform food systems to resolve hunger and malnutrition in a sustainable manner and raise global awareness of the important role dairy plays in eliminating hunger and shaping the world's food future.

I am always encouraged by the strength of IDF community, IDF experts and staff, which has been indomitable over these past months. My sincere thanks to you all.

Caroline Emond
IDF Director General





MESSAGE FROM THE CHAIR OF THE SCIENCE PROGRAMME COORDINATION COMMITTEE (SPCC)

Despite multiple constraints, IDF has continued to deliver on its mandate



“Despite these challenging times, I have been very encouraged to see that our sector is able to adapt and prepare for the future”



The past year has been a period of rapid transformation, all playing out in an increasingly uncertain world. Through these difficult times, IDF’s resilience and adaptability to change has further strengthened the foundations of our sector.

Despite the multiple constraints, IDF has continued to deliver on its mandate: to prioritise the development of leading international standards for dairy, and to promote the essential role of dairy foods in safe, nutritious, healthy, and sustainable diets.

The past 12 months have shown that this changing world requires greater thought, leadership, and agility. Amid the cancellations of physical meetings, symposia, and conferences, IDF has risen to the challenge, with IDF experts increasing the use of virtual meetings to progress work items, and the initiation of the IDF Technical Webinar Series to replace cancelled events and conferences.

Under Science and Programme Coordination Committee (SPCC) and staff lead, IDF Standing Committee Chairs and Deputy Chairs have reviewed and prioritized the IDF programme of work, to better target resources where they are most needed. Over the coming 12 months, efforts will continue in that direction.

To strengthen our organisation’s ability to support and lead change during this difficult period, the SPCC has initiated an extensive survey for our membership to gather data and learnings from the impact of COVID-19.

The results will allow our Standing Committees to draw insights from the ‘new normal’ and provide practical support for the dairy sector worldwide.

All our activities strengthen IDF’s ability to achieve our ultimate purpose – to help nourish the world with safe and sustainable dairy.

Despite these challenging times, I have been very encouraged to see that our sector is able to adapt and prepare for the future. By adapting to change, I believe that we will continue to succeed.

Piercristiano Brazzale
Chair of the Science and Programme Coordination Committee

“All our activities strengthen IDF’s ability to achieve our ultimate purpose – to help nourish the world with safe and sustainable dairy.”



DAIRY AND THE SUSTAINABLE DEVELOPMENT GOALS

- Owning dairy livestock has a positive impact on household welfare
- Milk production and distribution provides direct and indirect employment

- Dairy in dietary guidelines
- Safe products and high standards
- Consumer knowledge improvements

- Dairy's role in the health of children and adults
- ONE health (healthy animals, healthy humans)
- Dairy's essential role in childhood development

- Developing skills of dairy employees
- Transfer of dairy knowledge and know-how
- Further training and development

- Enhancing participation of women dairy in governance and management



How dairy is helping to achieve



- Training of dairy farmers

- Dairy's longstanding contribution to local sustainability and food security

- Recycling and recovering waste
- Reusable or recyclable packaging
- Reducing food loss and waste
- Protecting biodiversity
- Soil strategy and management

- Natural carbon sequestration, eutrophication
- Rewilding and reforestation efforts
- Permanent pastures
- Land-use planning to maximise mitigation/GHG emissions

- Reduction of load discharged effluents to improve water quality
- Preventing nutrient runoff

The dairy sector is an essential contributor to the UN sustainable development goals. While the sector has obvious impacts on ending hunger, achieving food security, and improving the nutritional value of diets in a sustainable manner, the sector also has an important part to play in the achievement of many of the other sustainability goals identified.

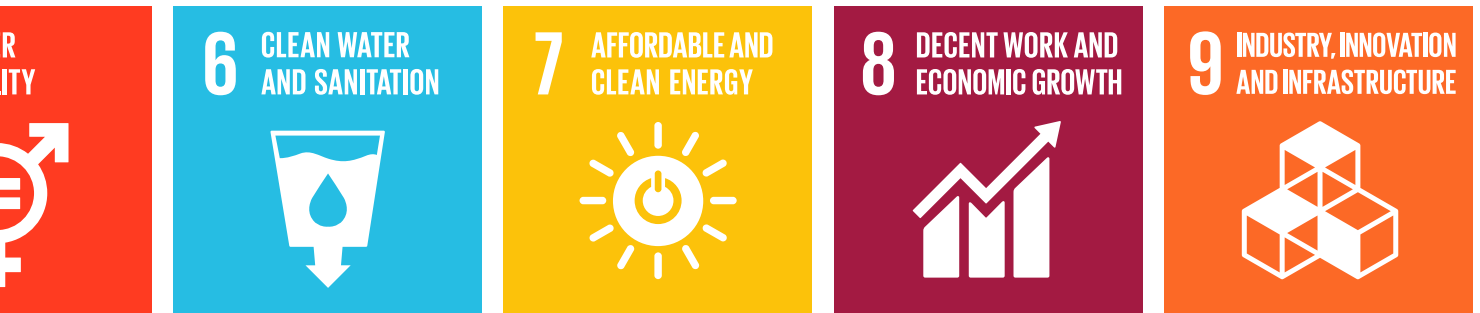
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farmers
and
oles

- Encouraging uptake of water efficiency measures at farm and processing level
- Protection of water eco-systems
- Reduction of water consumption in dairies

- Encouraging moves towards energy from renewable sources
- Optimising dairy energy use

- Increasing consumer choice: dairy products for specific nutritional needs
- Improvement in working conditions within the dairy sector

- Recycling and sustainable packaging
- Transition to a circular economy
- Working towards zero pollution
- Dairy by-product valorisation



achieve the sustainable goals

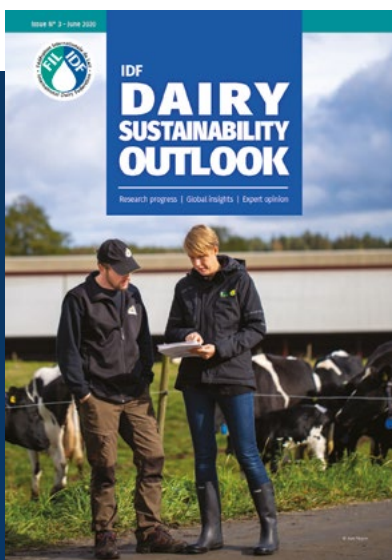


ad in
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ient pollution

- Conservation of eco-systems
- Restoration of degraded land and soil
- Preservation of biodiversity

- Compliance with laws and regulations; development of standards for trading of dairy products
- Inclusive decision making e.g. dairy cooperatives

- IDF work on SDGs
- Dairy declaration of Rotterdam
- Dairy Sustainability Framework



This page includes links to selected case study examples from the dairy sector. For many more examples of sustainable dairying by IDF members, read IDF's latest Dairy Sustainability Outlook, released in June 2020.

For more information on how IDF and the dairy sector's commitment to the sustainable development goals, including case studies and other information, visit the website of the Dairy Declaration of Rotterdam www.dairydeclaration.org

AT A GLANCE

The past 12 months of IDF at a glance



Partnerships and collaboration

October 2019

IDF Director-General chairs meeting of LEAP Partnership

IDF DG Caroline Emond chairs the launch meeting of Phase 3 of FAO's LEAP Partnership, as chair for 2019. The multi-stakeholder partnership will continue working to enhance sustainability throughout the entire livestock sector.



Advocacy

November 2019

41st Codex Committee on Nutrition and Foods for Special Dietary Uses

IDF participates in the 41st Codex Committee on Nutrition and Foods for Special Dietary Uses (CCFNDSU) which addressed a wide range of technical and regulatory issues for foods that can contribute to the prevention of nutritional deficiencies and diet-related non-communicable diseases. Proteins and nutrient profiling as well as TFAs were just a few of the topics discussed in the session.



Advocacy

October 2019

46th Committee on World Food Security (CFS)

IDF participates in the 46th Committee on World Food Security (CFS) in Rome, the UN's inclusive platform on food security, working to strengthen partnerships to eradicate hunger and eliminate malnutrition. IDF DG Caroline Emond spoke on behalf of the private sector mechanism at the CFS46 plenary session on dairy's contribution to food security and SDGs.



Advocacy

November 2019

Codex Committee for Food Hygiene

IDF participates in the Codex Committee for Food Hygiene. 215 participants representing 65 countries, and 15 Observer organisations met to discuss major topics relevant for safety of dairy products: General Principles of Food Hygiene, guidelines for the control of shiga toxin-producing Escherichia coli and new work on safe use of water.





Advocacy

January 2020

First UN CFS open ended working group

IDF participates in the first UN CFS open ended working group meeting of 2020 on the voluntary Guidelines on Nutrition and Food Systems. Participation in these meetings is essential for fostering dialogue among different stakeholders and ensuring the complexity of food systems is fully considered.



Projects

March 2020

The contribution of school milk to the nutrition of children worldwide

IDF releases 'The contribution of school milk to the nutrition of children worldwide' IDF's new report on school milk, compiling data from global experts on different programmes around the world.

Partnerships and collaboration

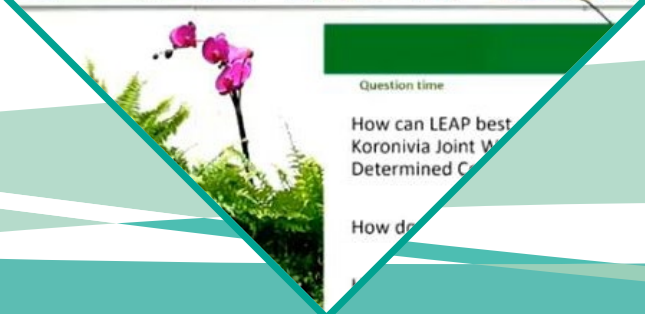
November 2019

IDF at COP25

IDF collaborated with FAO and International Meat Secretariat (IMS) at a COP25 side event on the FAO LEAP approach for Nationally Determined Contributions, with IDF DG Caroline Emond as the panel chair.



#Tie
#Timer



Projects

March 2020

Relying on dairy in a world consumed by COVID-19

As the effects of the COVID-19 pandemic became more widely felt around the world, IDF releases a compelling message from IDF President, Dr Judith Bryans 'Relying on dairy in a world consumed by COVID-19', along with various other measures including a resource hub on the IDF website and a statement from the Joint Livestock partnership to OIE (World Organisation for Animal Health), FAO and WTO.





Event

April 2020

Virtual IDF/ISO analytical meetings

Despite the restrictions of the pandemic switching the meeting to a virtual setting, the IDF/ISO meetings successfully gathered about 100 experts to work on about 70 projects which all aim to improve the analytical methods for the quality and safety of dairy products. 11 standards and guidelines are expected to be published in the next year.



Partnerships and collaboration

April 2020

First certified reference materials for somatic cell counting in milk

The European Commission's Joint Research Centre (JRC) announced the launch of the first certified reference materials for somatic cell counting in milk, an integral part in a joint project of IDF and the International Committee for Animal Recording (ICAR) to establish an international reference system for somatic cell counting in raw milk.



Projects

July 2020

Communication framework on milk and plant-based beverages

IDF launches its communication framework on milk and plant-based beverages. Following the Task Force's completion of its evidence based central knowledge document on the similarities and differences of milk and plant-based beverages in different domains, the information was put into practice with a communication framework which can be customized to each IDF member reality.

Event

April 2020

IDF Technical Webinar Series

IDF holds the first event in the IDF Technical Webinar Series, providing an important route to dairy knowledge to our worldwide experts in a world cut off by COVID-19. The series will continue until November 2020.



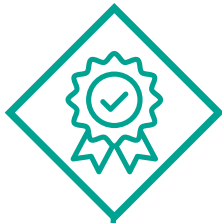
Event

June 2020

Raise a glass to success!

IDF joined the global dairy sector to celebrate World Milk Day 2020, making an important contribution to the day's success and hosting a virtual event for IDF members and stakeholders to celebrate the day.





Advocacy
September 2020

Codex Alimentarius Commission

IDF participates in the virtual meeting of the Codex Alimentarius Commission, ensuring progress is maintained in the technical standards being developed at committee level. Topics include General Principle for Food Hygiene, Protein in Follow-up Formula, and antimicrobial resistance (AMR).



Advocacy
October 2020

Food Security and Nutrition

IDF participates in the CFS High-Level Virtual Special Event on Food Security and Nutrition. The meeting reflected on the impacts of COVID-19 on food security and nutrition and the global efforts needed to “build back better”; as well as discuss the draft CFS Voluntary Guidelines on Food Systems and Nutrition and the draft CFS Policy Recommendations on Agroecological and Other Innovative Approaches.

Advocacy
September 2020

CFS Voluntary Guidelines on Food Systems and Nutrition

With the new reality in full force, IDF participates in the first virtual negotiation of the CFS Voluntary Guidelines on Food Systems and Nutrition. These are expected to act as a reference document for all stakeholders, providing guidance on appropriate policies to address malnutrition, and the role of food systems on the environment, livelihoods, and the equitable distribution of nutritious foods globally in the future.



The global voice of dairy

In the ever-changing world of communications, IDF’s commitment to sharing the latest in dairy developments is constant. Over the past 12 months, in addition to sharpening the efficiency of our communications, and making sure that our members are the first to know about important developments impacting dairy, IDF work has focused on shaping our capabilities: strengthening our digital offer, content management and development, and digital services, which will culminate in exciting new improvements to the IDF website in 2021.

The leading global dairy organisation on social media, IDF’s presence is constantly growing, and we will be further developing our strategy to further amplify IDF’s social presence in 2021. Since September 2019, IDF has issued 20 press releases and developed 16 news articles, 15 blog posts, 9 videos and kept our stakeholders up to date with a bi-monthly edition of IDF World. On social media, we’ve participated in campaigns for World Water Day, World Antibiotic Awareness Week, World Milk Day, World Food Day, World Food Safety Day, International Day of Biodiversity, World Environment Day, and the International Day of Women and Girls in Science, to name a few. Despite the move to a virtual setting in most cases, our President, Director General, employees and experts continue to be active in representing IDF and the sector at many high-level international events and conferences – making sure our sector is heard, no matter what.



A world in crisis:

Supporting the global dairy sector through COVID-19

The dairy sector, while even more essential than ever as a vital source of quality nutrition, has not gone unscathed by the COVID-19 pandemic. Rapid adaptation to changing circumstances has been required. At IDF, we are committed to supporting world efforts to slow the spread of the COVID-19 virus, and to the health and safety of IDF employees, experts, and the sector in general.

As in all organisations, the outbreak has presented some unique challenges in how we as IDF support our experts and the sector, and IDF has risen to the task. Throughout the pandemic, IDF has remained fully operational, with our employees and experts working virtually to deliver the essential work the sector has come to expect.

How IDF has adapted to shifting conditions:

- Most Standing Committees and Task Forces have worked actively throughout the pandemic to deliver on the IDF work programme, moving to virtual meetings
- Production of publications continue at pace
- IDF Codex work continues, despite the cancellation of physical meetings
- New IDF website section dedicated to COVID-19 dairy resources and other communications activities, monitoring the rapidly changing situation, and providing practical support and advice
- Governance work on IDF policies and legal review has continued and is close to completion
- A move towards digital events and the development of the IDF Technical Webinar Series
- Collecting impacts and learnings from COVID-19 to contribute to the post-crisis discussion on resilient Food Systems.

IDF Technical Webinar Series

A key element of IDF's COVID-19 response has been the development of the Federation's technical webinar series. This has allowed IDF to maintain momentum and its leading role to facilitate sharing of scientific knowledge and experience on dairy in IDF community of experts. Between April and November 2020, IDF Head Office and Standing Committees organized 24 webinars for IDF experts, on topics such as sustainable nutrition models, front of pack labelling, promoting animal welfare, assessing livestock water foot printing, the role of livestock in food security and nutrition, and whole genome sequencing, gut health and microbiome, dietary guidelines. Over 2000 experts participated in these webinars during the live virtual events, and many more have benefited from the recordings available on the IDF Intranet: a tangible source of support during difficult times, which IDF aims to continue.

The full list of IDF technical webinars can be found in the events section of this report.

FOCUS ON: STANDARDS



The COVID-19 pandemic has unquestionably presented an extreme challenge to public health and the global economy. To ensure food security, a fully functioning food supply system where food is safe and can be traded is essential.

Over the past 12 months, IDF has continued to support Codex and other international organizations such as OIE and ISO, to support the development of dairy standards that are grounded in science, with safety and fair-trade practices at their core, developing webinars, policy positions and other work, and engaging the vast expertise within IDF to ensure that people know how schemes work and have the essential local contacts they need.

Building on IDF vast network of experts, several technical webinars were organized on the different types of schemes implemented, providing an overview of the scheme, the impact on dairy and the work local sectors have been doing to safeguard dairy's contribution to healthy diets, including information on the Health Star rating in Australia and New Zealand, Nutri Score in France, the warning labels implemented in Chile and Mexico and the Key Hole in Scandinavian countries.

IDF will continue to provide members with the latest developments in this field and sharing the important message that foods are a complex matrix of nutrients that work together in a multitude of ways to influence health outcomes.

Front of pack labelling and nutrient profiling

Mandatory nutrition information is included on the back of pre-packaged foods to provide the consumer with information on the nutritional content of the food. To further assist the consumer to make better nutritional choices, public health authorities around the world have proposed strengthening this approach with a visualization on the front of the package, known as front-of pack nutrition labelling (FOPNL). A myriad of these FOPNL schemes have been implemented around the world, with varying specificities and impacts on dairy foods.

IDF has been developing knowledge of the technicalities and actual public health outcomes as well as the impact on dairy products of these schemes. Based on the IDF comments to the Codex work on the development of guidance on FOPNL, a position paper was developed outlining IDF's guiding principles to FOPNL to enable consumers to make informed choices based on science-based nutrition information, this supplemented by a further IDF position on nutrient profiling model (NPM), as a majority of these schemes use these models to classify the nutrient content of the food.

Making the sugar distinction

There is a global proliferation of food policies focused on the individual nutrient content of foods and beverages. One of the nutrients targeted by governments in many countries is sugar. While plain dairy products are more easily recognised for their nutritional value, they may still be at risk of regulatory and policy mechanisms that do not recognize their nutritional and dietary value due to the presence of dairy's intrinsic sugar, lactose.

IDF has responded proactively to address these issues with a science-based approach, drafting a bulletin on a differentiated approach to lactose with regards to free sugars. Expected by end of 2020, the bulletin looks at the latest science on lactose, and its health effects and as part of a complex matrix with proven health benefits. The next stage of the work will look at role of flavoured dairy and its place in healthy diets.



Quantifying protein in dairy foods

Nitrogen to protein conversion factor is the routine way around the world to quantify the amount of protein in foods. IDF has been working to highlight the importance of a holistic view when defining protein, with this further supported by the IDF Position Paper “Holistic view of proteins: amino acids and post-translational modifications”, which provides background information on nitrogen conversion factors for milk proteins. At a meeting of the Codex Committee on Nutrition and Foods for Special Dietary Uses (CCNFSDU) in November 2019, IDF argued through scientific evidence that post-translational modifications have functional and biological functions and therefore the whole protein and not only the amino acids should be considered when setting the conversion factor.

Quantification of whey protein content

The concentration of whey proteins in milk decreases from early lactation and continues to fall. These changes result in a whey protein/casein ratio of about 90:10 in early lactation, 60:40 in mature milk and 50:50 in late lactation. In collaboration with ISO and AOAC, in February 2020, IDF published the ISO 23293 | IDF 247 - Milk-based infant formula powders — Quantification of whey protein content by sodium dodecyl sulfate-capillary gel electrophoresis (SDS-CGE). This document specifies a method for the determination of the whey to casein protein ratio, ranging from 20:80 to 80:20 in cow milk-based infant formula powders. The work is a continuation of a longstanding partnership with AOAC and ISO.

Codex guidelines on surveillance of foodborne AMR

IDF has been an active contributor to the FAO, WHO, and OIE as well as the FAO/WHO/OIE Tripartite activities on the prevention and management of AMR. In March 2020, IDF participated in the ad hoc CODEX intergovernmental task force on AMR, which has been developed to lead the revision of the proposed draft guidelines on integrated monitoring and surveillance of foodborne AMR, and a dedicated IDF Task Force has provided comments on all drafts to date.

Looking ahead

Standards of Identity and Labelling

IDF is developing a comprehensive overview of the objectives and the rules that form the basis for the use of dairy terms to help facilitate enforcement at national level. An update to the bulletin is especially pressing, given the recent spate of challenges to definition of the Codex general standard for the use of dairy terms by the plant-based beverage industry. The work comprises: i) an update of the 2005 IDF Bulletin the Codex General Standard for the Use of Dairy Terms ii) regular compilation of regulatory framework and case law on the correct use of dairy terms existing in the IDF Member countries. Delivery of the bulletin is expected by the end of 2020.

Codex discussion on food additives provisions in dairy standards

Following the cancellation of the 2020 session of the Codex Committee on Food Additives, Codex members agreed that in addition to considering the alignment of food provisions of the dairy standards as scheduled, the next and last set of standards be also considered by the electronic Working Group starting in August 2020. This is thanks to the extensive work by IDF experts in food additives who have done the preparatory work to support the discussion by the CCFA group. This group is now considering the food additives provisions of the standards listed below in preparation of the 2021 CCFA meeting, tentatively scheduled on 8-12 March 2021 in China, or possibly to be held virtually.

2nd set:

- General Standard for Cheese, (CODEX STAN 283-1978)
- Group Standard for Unripened Cheese including Fresh Cheese, (CODEX STAN 221-2001)
- Group Standard for Cheeses in Brine, (CODEX STAN 208-1999)
- Standard for Cottage Cheese, (CODEX STAN 273-1968)
- Standard for Cream Cheese, (CODEX STAN 275-1973)
- Standard for Extra Hard Grating Cheese, (CODEX STAN 278-1978)
- Standard for a Blend of Evaporated Skimmed Milk and Vegetable Fat, (CODEX STAN 250-2006)
- Standard for a Blend of Sweetened Condensed Milk and Vegetable Fat, (CODEX STAN 252-2006)
- Standard for a Blend of Skimmed Milk and Vegetable Fat, (CODEX STAN 251-2006)

3rd set:

- Standard for Mozzarella, (CXS 262-2006)
- Standard for Edible Casein Products, (CXS 290-1995)
- Standard for Milk Powders and Cream Powder, (CXS 207-1999)
- Standard for Evaporated Milks, (CXS 281-1971)
- Standard for Sweetened Condensed Milks, (CXS 282-1971)
- Standard for Dairy Fat Spreads, (CXS 253-2006)
- Standard for Cream and Prepared Creams, (CXS 288-1976)
- Standard for Dairy Permeate Powders (CXS 331-2017)

FOCUS ON: SUSTAINABILITY



IDF supports the dairy sector's long-standing values of responsible production, nourishing communities, and continuous improvement. Our science-based expertise helps the sector produce safe and nutritious milk and dairy products from healthy animals, while preserving and enhancing natural resources, and ensuring decent livelihoods across the whole dairy value chain.



IDF has continued to take a leading role in sharing knowledge on innovative and eco-friendly dairy farming and dairy processing technologies that focus on high quality animal care, and encourages the industry to adopt energy-saving, low-carbon and water-efficient practices that minimise negative environmental impacts whilst maximising its socio-economic contribution.

Bringing together researchers, industry, and farmers to share knowledge that promotes animal health

IDF advocates prudent and responsible use of antimicrobial agents within the global dairy sector to ensure that they continue to be effective in curing diseases in animals while minimizing the risk of developing AMR. In 2019, IDF joined the consortium DISARM, a thematic network under the EU Horizon 2020 Research and Innovation Programme. The DISARM project is an important measure to prevent or reduce the transfer of resistant micro-organisms within animal populations, the environment and between animals and humans. Given its international network across the dairy chain, IDF is well placed to disseminate the information gathered through this important project and promote dairy health across the livestock sector. In turn,

IDF's involvement in the project provides an added-value to the wider IDF membership, who will benefit from and receive privileged access to the work developed by IDF as part of the project, which is of relevance to the wider dairy sector. IDF's involvement in the project also raises awareness of IDF's leading role in actions to promote dairy health within the livestock sector. Recent IDF activities in the project include the development of practice abstracts (first tranche of three abstracts submitted June 2020) and the development of three videos i) Guidelines for Antimicrobial Resistance for the Dairy Sector (part a) ii) Guidelines for Antimicrobial Resistance for the Dairy Sector (part b) iii) How can farmers improve management of mastitis with the help of sensor systems? IDF will continue to contribute to the DISARM project throughout 2020/21.

IDF contribution to sustainable livestock supply chains

IDF continues to participate actively in the FAO LEAP partnership. In December, IDF on behalf of FAO LEAP organized an official side event at UN Climate Change Conference COP 25, to discuss the role of low-carbon livestock in addressing climate change and food security. Caroline Emond, IDF DG and Chair of FAO LEAP for 2019, represented the dairy sector at the event and promote tangible actions taken by the dairy sector to

address the climate challenge, to exchange views with governments and other parties and share information and knowledge on different approaches to achieving low carbon livestock, including how FAO LEAP guidelines can enhance national inventories of greenhouse gas emissions for evidence-based action for food security and low-carbon livestock. Throughout 2019/20, IDF has also continued as a key contributor to GASL, a multi-stakeholder partnership which looks to ensure the dairy sector is working towards achieving the UN SDGs.

Supporting farmers to meet global food needs

Growing global demand for food will require that farmers everywhere have access to the technologies, tools, and strategies they need to maximize their productivity and profitability.

The 2019 IDF Dairy Farmer's roundtable gathered farmers from sixteen countries around the world to discuss current issues in dairy production, allowing them to better understand and address the challenges of filling an increasing food and nutritional security gap. The Roundtable began with a farm tour organized by the Turkish host under guidance by IDF to two dairy farms, the AKSA and the AKSÜT dairy farms, where participants could enjoy Turkish gastronomy and provided an excellent start to discussions between farmers from different countries.

A structured discussion included animal activism and animal protein, climate risks, competing for talent and investment funds, farming systems and ecological conditions, economic resilience, connecting with consumers, market trends, addressing negativity directed at the sector, environmental regulations, farm management, including staffing issues and managing feed cost and adequacy, ensuring food safety and quality, genetics and breeding for milk yield, animal health and on-farm steps to guard against AMR, and smart farming.

In October and November 2020, IDF hosted two virtual roundtable events for farmers around the globe, focusing on challenges faced on the farm and for the sector by the pandemic in their countries, as well their views on the future of the dairy sector after COVID.

Management of calves from birth to weaning

Dairy calves must be fed appropriately to meet their nutritional needs, supporting optimal growth and development. A working group of IDF's standing committee of animal health and welfare focused on sharing experiences and best management practices addressing animal health and welfare outcomes across a variety of different calf management systems. This includes specific consideration on reducing stress for cow-calf separation. Research on new calf management systems is also being examined and, where information is available, challenges, and opportunities with these new systems are addressed. A webinar in April 2020 provided IDF members with insight from experts in cow-calf contact systems. Other planned deliverables include: i) state of the science document that examines animal health and welfare outcomes across a variety of different calf management systems, ii) written and visual case studies that showcases a variety of different calf management systems from around and iii) an event to share this knowledge.

Looking ahead

Developing a common definition for Dairy Ecosystem Services

Ecosystem Services is a term used by global institutions, governments, and NGOs to explain the direct and indirect contributions of ecosystems to human well-being, survival, and quality of life. To better quantify the positive contributions made by the dairy sector to these pillars, the IDF has proposed some new work to develop a common definition of Ecosystem Services in the dairy sector. This includes the sector's contributions to Provisioning, through dairy nutrition, materials such as leather, and energy production; Regulation & Maintenance, through mediation of waste and other nuisances, including land mineralisation, flood protection, soil fertility and carbon sequestration; Habitats for biodiversity; and Culture, through physical and intellectual interactions with ecosystems. It is envisaged that the work will help dairy organisations to demonstrate dairy's positive environmental and societal contributions to stakeholders, including national governments and international institutions.

Contributing to a diversified sector

While cows produce much of the world's milk supply, buffaloes, goat, sheep and other non-cow milks are also widely distributed throughout the world, contributing to sustainable livelihoods through support of the economy, rural and peri-urban livelihoods, the empowerment of women and food security. In November 2020, IDF will host a virtual symposium looking at scientific advances about milk originating from other ruminants than cows on the fields of human nutrition and science and technology, as well as advances on animal health. The event will provide expert insights on nutrition for specific population groups, including how sheep and goat milk are increasingly being used to manufacture products with specific health benefits for adults and children. It will also look at the contribution of non-cow milk to health, and how milk from sheep, goats, camels, and other animals can add to overall health, gut microbiota, and immune system. The event will be supported by two special issues in the Journal of Dairy Research and the International Dairy Journal. To complement this, an IDF Action Team is preparing a peer-reviewed journal article on the link between somatic cell count and milk quality of goat milk.



FOCUS ON: NUTRITION



As the world grapples with the challenges of feeding a rapidly increasing global population, a principal concern related to food production and consumption is producing enough nutrient dense foods to nourish the world sustainably, and without compromising global health.

IDF work on nutrition focuses on exploring the huge potential of the dairy sector has for tackling malnutrition in all its forms and creating food security. Work centres on promoting greater understanding of the nutritional value of dairy and the role it plays healthy diets produced in a sustainable way, and increasing understanding of the science which determines the impact of dairy products on nutrition and health.

September 2020, and an IDF school milk knowledge hub, which will gather further information on programmes, is expected in 2021.

Plant-based beverage communication framework

With growing consumer confusion regarding milk and plant-based drinks marketed as equivalent to milk, IDF has been working to raise awareness of the science behind dairy nutrition and ensure that there is awareness of the nutritionally unique package that dairy represents, recognising that while milk and plant-based beverages are both valid dietary choices, plant-based drinks are not nutritionally equivalent to milk and therefore cannot be considered as an alternative in terms of nutrition, and considers other spheres such as environment, cultural presence and technology. This work has culminated in the production of a Communication Framework for milk and plant-based beverages. Supported by a scientific and technical background document, the Framework is designed to assist the dairy sector in highlighting dairy's important contribution to nutrition security, in turn protecting the consumer's ability to make balanced and informed choices for healthy futures by clarifying the distinction between the two separate categories. The Framework and accompanying guidance were made available to the IDF membership in July 2020, and a dedicated online forum will be established to discuss actions going forward.

Contribution of school milk to global child nutrition

In March 2020, IDF released its new school milk bulletin which compiles data from global experts in the field on different school milk programmes around the world, providing insights on the range of products, implementation, and population, accompanied by raw data. The new edition also includes a review on the evidence of the nutritional benefits of these programmes, offering new insights into their global impact. School milk programmes are common in many countries around the world, and the benefits of providing school children with milk are plentiful: Dairy's well-known natural nutrient richness provides an abundant supply of high-quality protein, calcium, phosphorus, potassium, iodine, and vitamins B2 and B12. Analysis also shows that a quality education, combined with a guaranteed package of health and nutrition interventions at school, such as school feeding, can contribute to child and adolescent development and build human capital. A webinar presenting the bulletin and case studies was held on World Milk Day, 30



Mapping global dietary guidelines

Following the FAO database on dietary guidelines, some 96 countries worldwide include dairy in their dietary guidelines, acknowledging that milk is a nutrient-rich whole food with multiple health benefits. Ensuring that milk and milk products continue to feature in dietary guidelines worldwide is of therefore of key importance. IDF completed its 2-yearly overview of the dairy's role in dietary guidelines based on the FAO database to be found on the IDF intranet. From this information, an overview of the recommendations currently in place was developed, pulling out some key arguments on the reasons why dairy is part of the dietary guidelines, disseminating information on developments around specific national dietary guidelines of importance. This information, along with an accompanying map, was made available to IDF members in June 2020. Work will continue, with the development of a factsheet and an advocacy toolkit.

Changing the narrative on food processing

The narrative around processed foods, including some dairy foods, has become confused in recent years. Despite being a staple part of diets for years, it has become the belief of some that processed foods contribute to unhealthy dietary patterns. In some cases, this has influenced public policy around the world with some recommending that consumers avoid from processed foods, without making any distinction regarding process or the nutrient content. Defining foods as 'good' or 'bad' considering only level of processing and not nutrient content is problematic for several reasons. Processing protects against post-harvest loss, ensuring food availability year around and most importantly – ensures the safety of some of our foods. In addition to reducing waste, in some cases processing enhances food quality, removes potential innate toxins and improves nutrient bio-availability. In recognition of the considerable contribution processed foods like dairy make to our food systems, IDF has been gathering scientific



evidence on the role of dairy in healthy diets considered from different angles: nutrition, food additives and processing techniques. This information will be further developed for IDF member use. Other work in the area includes an IDF Position Paper published on the principles of classifying foods on processing.

Guidelines for food systems and nutrition

Food systems and diets are major contributors to the nutritional status of populations and have an important impact on human and planetary health by shaping and enabling producers' decision and consumers' choices. At the same time, consumers' decisions on what to consume can also have an impact on food systems and improve their ability to deliver healthy diets. To address these challenges, the UN CFS has been working to develop voluntary guidelines on nutrition and food systems. IDF has taken an active role, providing technical contributions through the Private Sector Mechanism (PSM) to ensure that the positive health impact of dairy as a whole food is understood by key opinion formers and policy makers and that animals-source foods and plant based foods are recognized as complementing each other.

Looking ahead

Further reaffirming the role of dairy in a sustainable food system

The Food Systems Summit in 2021 will be a major event for the world and represents a renewed commitment to tackle hunger and malnutrition and the achievement of the SDGs. It is likely to call for bold and structural change to the global food system by calling for not only changes to domestic policy but also reform of private sector practices. Development of the summit will be informed by a robust, inclusive, and decentralized preparatory process building on the many existing global events and platforms that are supporting the transformation towards more sustainable food systems, and represents an excellent platform to reaffirm the important role of dairy in a sustainable food system. IDF has been monitoring the development of the Summit through its participation in different channels, including participation to Food Systems Dialogue event in Davos (Jan 2020) and subsequent calls; participation in the CFS-PSM Steering Committee for the preparation of the Summit; participation in the CFS-PSM steering committee work stream on nutrition, and Growth for nutrition event (G4N), in The Hague, June 2019. Due to the magnitude of the event and the multiple initiatives and events feeding into the process, a dedicated IDF Task Force was established in August 2020, led by outgoing IDF President Dr Judith Bryans, to follow the progress of the Summit, develop tangible engagement actions and opportunities to engage.

FOCUS ON: SAFETY AND QUALITY

Without food safety, there is no food security. The IDF strives to promote science-based and informed approaches to food safety and quality issues, working with key international organisations like Codex, OIE, ISO and many others to ensure the safety and quality of dairy products are continually improving, employing the knowledge and expertise of hundreds of passionate men and women around the globe to proactively develop further guidance for the dairy sector.

Over the previous 12 months, IDF work promoting dairy safety and integrity across the dairy supply chain through the identification and adoption of science-based best practices implemented transparently has become especially important, as the pandemic inevitably led to questions about the safety of our foods. Likewise, IDF has continued to contribute to the development of science-based guidance and provide leadership on dairy safety, quality, and risk management issues to key international organizations and policy makers.

COVID-19: Safety and hygiene of dairy products and personnel

The emergence of Coronavirus and its ability to spread globally put the dairy sector's ability to ensure the integrity of its supply chain under the microscope. In April 2020, IDF responded to an urgent need to confirm a number of key facts about the spread of the virus and reassure business and consumers: i) there is no evidence that SARS-CoV-2 is present in domestic livestock such as cattle ii) SARS-CoV-2 iii) very strict hygiene measures are already in place throughout the dairy supply chain, including in unpasteurized milk products production, to ensure food safety and the safety of the food handlers. IDF will continue to support the sector in this way, and further work will be supported by IDF's extensive survey for our membership to gather data and learnings from the impact of COVID-19.



Guarding against listeriosis in the dairy processing chain

As part of its commitment to food safety and health, in October 2019, IDF published new guidance outlining additional actions that can be taken in the production process to minimise risk of *Listeria* contamination in dairy products. The bulletin summarises risk areas and measures that should be taken in the food production process to minimise the risk of *L. monocytogenes* contamination in dairy products.

CODEX collaboration on World Food Safety Day

The second World Food Safety Day was celebrated on 7 June 2020 to draw attention and inspire action to help prevent, detect and manage foodborne risks, contributing to food security, human health, economic prosperity, agriculture, market access, tourism and sustainable development. IDF collaborated with longstanding partner CODEX gained further acknowledgement for IDF as a leading contributor to dairy food safety on the article 'Helping a vibrant dairy sector deliver quality milk.' IDF also developed a video to contribute to the CODEX campaign 'How we keep foods safe' on how dairy processing contributes to safety, with a specific focus on pasteurisation.

Completion on important Codex work for dairy safety

At its virtual meeting held over September and October 2020, the Codex Alimentarius Commission adopted two important standards for the dairy sector:

- The Codex General Principles for Food Hygiene, which has been revised for flexibility, clarity and to focus more on Good Hygiene Practices. The procedure for HACCP (Hazard Analysis Critical Control Point) has also been revised to reflect current practice. This document is essential to the implementation of best practices in the production of safe food, including dairy products. IDF has been an active participant in the work of the CCFH for more than 30 years. During this period, the CCFH has developed guidance and principles that are decisive for international trade in milk products.

- Code of Practice on Food Allergen Management for Food Business Operators is a new Codex text developed in response to increased global markets and by the fact that allergens pose a significant risk to food allergic consumers. This Code focused on good hygienic practices specific to limit allergen cross-contact. It is complementary to Codex Labelling texts which are directed to consumers. IDF contributed to ensuring that the text is applicable for the dairy sector.

Looking ahead

New Codex work on water use and IDF guidelines

Water is an important input in food, through all stages of the food chain from primary production to consumption, and a critical key food safety element as water quality can be affected by the presence of infectious agents, toxic chemicals or radiation. IDF provided comments to the first Codex draft Guidelines for the Safe Use and Reuse of Water in Food Production from a dairy processing perspective (specifically microbiological aspects), and will develop its own comprehensive guidelines once again showing how IDF is working with Codex to lead the way on developing codes of practice and guidelines for the global dairy sector.

Bio-protection: keeping foods fresh and reducing waste

In September 2019, IDF released a factsheet on bio-protection as a natural way to protect against spoilage and harmful contamination in food, helping to keep food products fresh and safe and reducing food waste. The factsheet is a useful contribution to a food industry which is increasingly focused on finding sustainable ways of producing safe food products with an extended shelf life thus reducing food waste and meeting the consumer demands for natural, low salt, low sugar foods and reduced use of chemical preservatives. This factsheet will be followed by more a more detailed publication currently under development.



International Standard for the determination of veterinary drug residues in milk products

In the frame of the collaboration between AOAC, IDF and ISO, the objective of the work is to publish a joint standard for an LC-MS/MS method for the screening and identification of 154 veterinary drug residues in a broad range of food matrices. To achieve adequate performance with regard to the maximum residue limits adopted by various region and countries, as well as Codex Alimentarius, the methodology encompasses four streams targeting veterinary drugs in food by LC-MS/MS (107 compounds), B-Lactam residues in food by LC-MS/MS (23 compounds), Aminoglycosides in food by LC-MS/MS (14 compounds), and Tetracyclines in food by LC-MS/MS (5 compounds + related epimers). This method would allow for testing several types of residues at once with the precision required to verify compliance of products on the markets with safety limits, and therefore allowing easier testing for manufacturer as well as authorities and facilitate trade.

PUBLICATIONS

Bulletins

Bulletin of the IDF N° 501/ 2019: The World Dairy Situation 2019

Annual survey containing information on milk and dairy production, processing, companies, consumption, trade and prices. Comprehensive data from national and international sources. Description of current trends. Global and regional commentary covering all major producing and consuming countries.

Bulletin of the IDF N° 505/ 2020: The contribution of school milk programmes to the nutrition of children worldwide – Edition 2020

Compiling data from global experts in the field on different programmes around the world, the 2020 report provides insights on the range of products, implementation and population, raw data and includes a review on the evidence of the nutritional benefits of these programmes, offering new insights into the global impact of school milk.

Bulletin of the IDF N° 504/ 2020: New applications of MIR spectrometry: Quality assurance practices

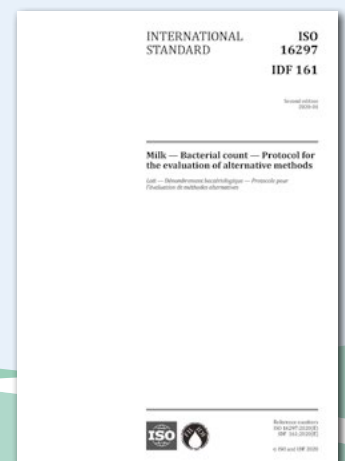
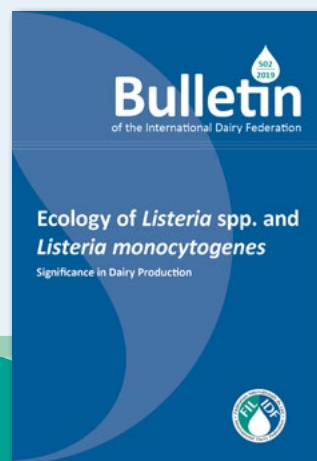
This document focuses on the required checks with the implementation of new quantitative applications and how the quality assurance of the results can be assured. New approaches are presented.

Bulletin of the IDF N° 503/ 2020: Global Marketing Trends, Understanding changes in dairy consumption around the world

Built on the in-depth knowledge of IDF Experts worldwide, this report provides benchmarking data and key learnings from across the sector on what is driving consumer decision-making.

Bulletin of the IDF N° 502/ 2019: Ecology of *Listeria* spp. and *Listeria monocytogenes*, Significance in Dairy Production

A summary of the different relevant actions in the food production process that need to be implemented to minimize the likelihood of unsafe final dairy product production in terms of *L. monocytogenes*.



Joint IDF/ISO standards

ISO 23293 | IDF 247: 2020 – Milk-based infant formula powders – Quantification of whey protein content by sodium dodecyl sulfate-capillary gel electrophoresis (SDS-CGE)

This document specifies a method for the determination of the whey to casein protein ratio, ranging from 20:80 to 80:20 in cow milk-based infant formula powders.

ISO 23291 | IDF 248: 2020 – Milk and milk products – Guidelines for the application of in-line and on-line infrared spectrometry

Guidelines for using infrared spectrometry in in-line and on-line applications for dairy processing. These applications are distinct to those covered in ISO 21543 | IDF 201.

ISO 16297 | IDF 161: 2020 – Milk – Bacterial count – Protocol for the evaluation of alternative methods

This document specifies a protocol for the evaluation of instrumental alternative methods for total bacterial count in raw milk from animals of different species.

Joint standard ISO 22186 | IDF 245 Milk and milk products – Determination of nitrofurazone

This document specifies a liquid chromatography tandem mass spectrometry (LC-MS/MS) method for the quantification of the inhibitory substance, nitrofurazone, in milk and milk products. The method has been validated for measuring trace levels of intact nitrofurazone to levels down to 1 ng/g in fluid milk and powdered dairy products on a whole product (i.e. powder) basis.

ISO22579 | IDF 241 Infant formula and adult nutritionals – Determination of fructans – High performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) after enzymatic treatment

This document specifies a method for the determination of inulin-type fructans (including oligofructose, fructooligosaccharides) in infant formula and adult nutritionals (both powder and liquid) containing 0,03 g/100 g to 5,0 g/100 g of fructans in the product as prepared ready for consumption.

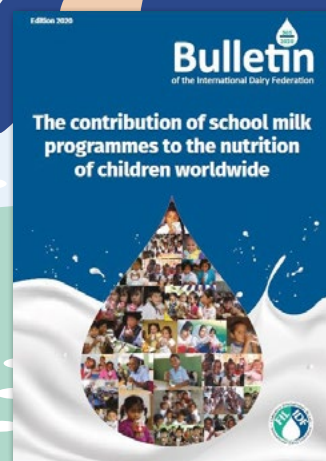
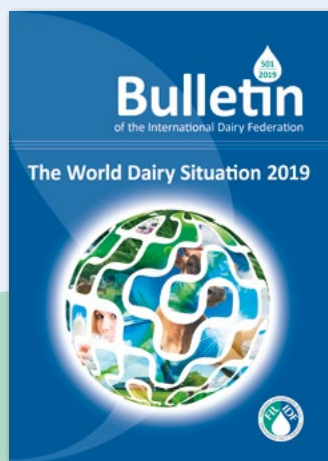
Reports

IDF Animal Health Report N° 13

IDF's 13th edition of the IDF Animal Health Report. This latest tool to share knowledge in dairy welfare was released in November 2019 and presents 17 case studies on animal welfare from nine different countries. It complements the updated IDF Guide to Good Animal Welfare in Dairy Production 2.0.

IDF Dairy Sustainability Outlook 3

The 3rd edition of IDF's Dairy Sustainability Outlook showcases ongoing activities and the latest initiatives to ensure sustainable dairy, including new approaches to agriculture, quality education, improved milk quality, development of rural areas through dairying, strong international cooperation and climate commitment achievements.



AWARDS

Every year, dairy champions are honoured for their leadership, dedication, and commitment to the sector. Whether it's being creative, offering high-level strategic and technical advice, or helping the IDF to communicate more effectively with the wider dairy sector, each of these winners has played a key role in ensuring the interests of the industry remain centre stage. Their commitment to the global sector is resolute and is deeply appreciated.

The winners of the prestigious awards were announced during the Gala dinner of the 2019 IDF World Dairy Summit held in Istanbul, in front of representatives from across the global dairy sector.

- The UK Agriculture and Horticulture Development Board (AHDB) received **the International Milk Promotion Group (IMP) Yves Boutonnat Trophy Award** for their successful marketing campaign "The department of dairy-related scrumptious affairs." The award is a means of showcasing the best generic advertising campaigns.
- Cary Frye was awarded with the **IDF Prize of Excellence 2019** for her outstanding contribution to the work of the IDF for over two decades. Her work for the IDF has included chairmanship of the US National Committee and a role on the IDF Board of Directors. Cary also served as Chair and Deputy Chair of the Standing Committee on Food Labelling and Terminology from 2006 – 2014. She led several IDF delegations at the Codex Committee for Food Labelling and her efforts included developing labelling provisions for cheese and dairy standards. Cary stepped down from the IDF Board of Directors at this year's IDF World Dairy Summit as she also retired from her role as Senior Vice President, Regulatory Affairs with the International Dairy Foods Association.
- The winner of **The IDF Leader Recognition Award 2019** was Dr Kieran Jordan, Teagasc, Ireland for his role as Chair of the Standing Committee on Microbiological Hygiene between 2016 and 2018. The award was created to increase the recognition of experts for their exemplary involvement and leadership in IDF Work. A long-time contributor to IDF, as chair, Kieran has worked tirelessly to keep the IDF Standing Committee focused and productive, as well as ensuring regular reporting and progress from the various Action Teams. Kieran has recently been elected as representative for Hygiene and Safety on the IDF Science and Programme Coordination Committee.
- **The IDF Award 2019** was awarded to Helen Dornom, Manager, Sustainability including Food Safety and Integrity, Dairy Australia. For over 40 years Helen has provided outstanding leadership and service to the dairy sector, both in Australia and internationally, across a broad area of food safety, residues, animal health and welfare, farm management, food standards and sustainability. Helen's work and achievements have focused on supporting the prosperity of the dairy industry, particularly to enhance the reputation and integrity of dairy production and dairy products.

EVENTS

The impact of the COVID-19 pandemic on IDF global events.

The COVID-19 pandemic has caused many events around the world to be cancelled or postponed. The dairy sector has not escaped unscathed, with the IDF World Dairy Summit 2020 – South Africa the most prominent event to be cancelled, despite the very best efforts of the local National Committee. Our thanks to Melt Loubser, President of the South African National Committee for the IDF, and the local organising committee for their efforts coordinating what would undoubtedly have been an excellent IDF Dairy Summit in other circumstances.



Other IDF events impacted by COVID-19 in 2020

- Cancellation of IDF/ISO Analytical Week 6-9 April 2020, China: Business meetings were held virtually in early April
- IDF Sheep, goat and non-cow milk, Belgium: has been rescheduled from 4-5 May to 4-6 November, and will be held virtually
- IDF Symposium on Cheese Science and Technology, Canada: Postponed to 2021, dates to be confirmed
- IDF Day, 3 November: Now to be celebrated virtually

IDF Technical webinars held in 2020

22 April 2020:

Management of calves from birth to weaning

26 May 2020:

Communicating science in a convincing way by Dr. Bruce Lewenstein

09 June 2020:

Webinar on the developments of the Australian Front-Of Pack Nutrition Labelling scheme - the Health Star Rating.

09 June 2020:

Animal-based indicators to promote welfare in dairy cows: exploring the potential for harmonization – IDF and ICAR event

11 June 2020:

Sustainable Nutrition Models

18 June 2020:

Assessing Livestock Water Foot Printing by GLEAM

24 June 2020:

Integrating FAO Livestock Environmental Assessment and Performance Carbon stock changes modelling into the Global Livestock Environmental Assessment Model

30 June 2020:

Presentation of the FOPNL systems in place in Latin-America: Chilean and Mexico schemes.

08 July 2020:

Launch of IDF Communication Framework milk and plant-based beverages (PBB) Session 1

08 July 2020:

Launch of IDF Communication Framework milk and plant-based beverages (PBB) Session 2

09 July 2020:

FOPNL scheme - Nutri-Score and the EU policy developments on FOPNL.

22 July 2020:

Food Security and Nutrition: Role of livestock

28 July 2020:

Whole Genome Sequencing (Asia Pacific Europe)

28 July 2020:

Whole Genome Sequencing (Europe Americas)

09 September 2020:

Sustainable Nutrition Initiative by the Riddet Institute

16 September 2020:

Economic Series on the impacts of the Covid-19 pandemic on dairy markets

21 September 2020:

US Dietary Guidelines: scientific committee report

22 September 2020:

Future Markets for Dairy Products - what impact does COVID-19 have?

30 September 2020:

Celebration of World School Milk day

01 October 2020:

Food Cultures, the Gut Microbiome and Health

14 October 2020:

FOPNL - Scandinavian Keyhole

14 October 2020:

IDF-DISARM event: how to get more benefit from sensor systems to manage mastitis in dairy cattle

27 October 2020:

IFIF-IDF Webinar on dairy animal nutrition

27 October 2020:

Preweaning and calf management

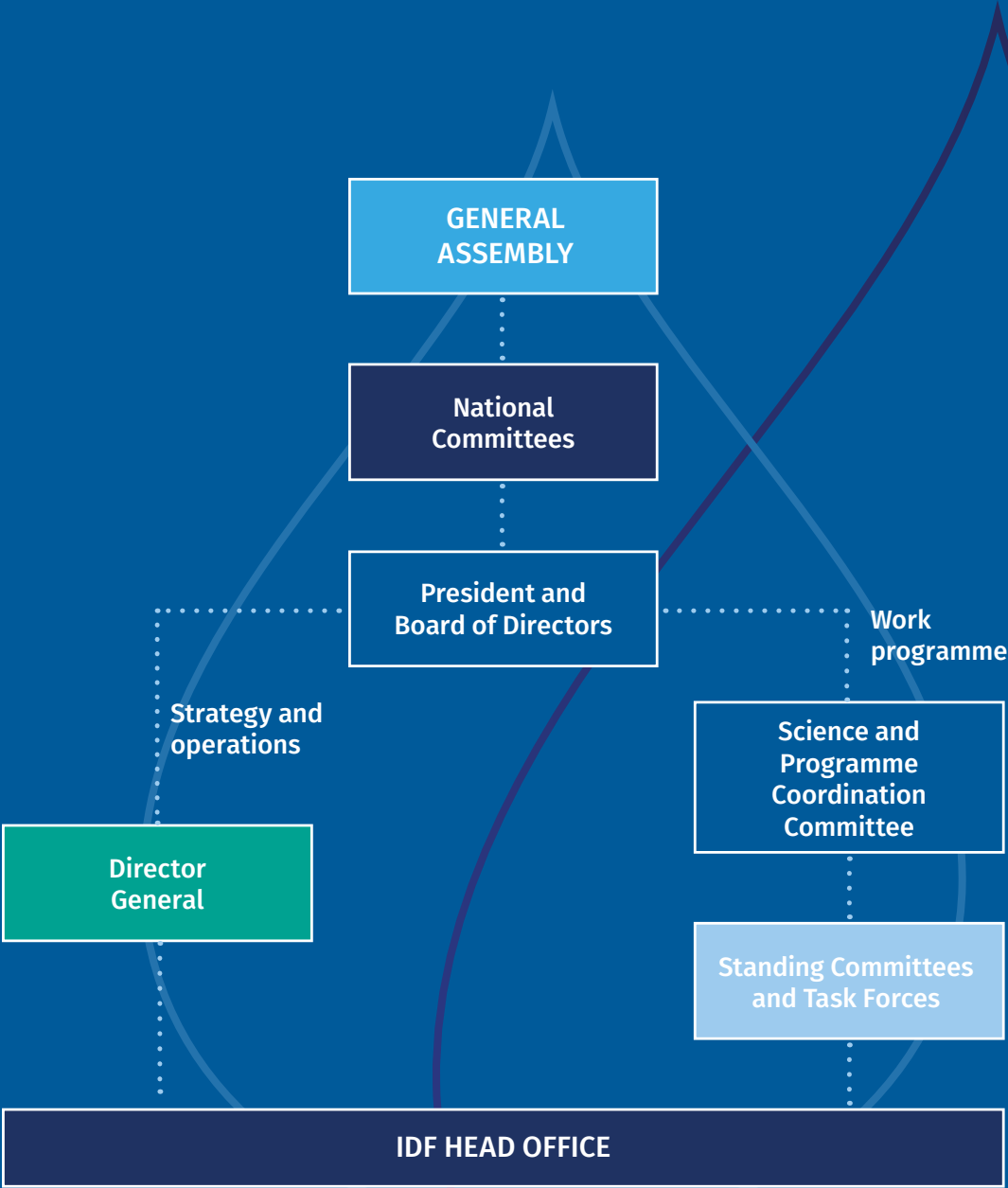
Looking ahead - IDF events 2021 (subject to change)

- IDF Paratuberculosis Forum, Dublin, Ireland, 10 April
- IDF/ISO Analytical Week, Konstanz, Germany, 19-22 April : Postponed to 2022 and replaced by IDF/ISO virtual meetings in April 2021 (dates to be confirmed).
- IDF Symposium on Cheese Science and Technology, to be confirmed

STRUCTURE AND GOVERNANCE

IDF's National Committees are the mainstay of IDF and delegates of the General Assembly (GA). IDF's Board of Directors contribute to the development and to the achievement of IDF objectives. The SPCC, elected by the GA, ensures the coordination and supervision of the scientific, technical and policy considerations of dairy issues and the delivery of the IDF Programme of Work.

Daily management of the Federation, including the organisation and administration of the IDF Head Office, current affairs, and the general coordination of activities, are the responsibility of IDF's Director General, Caroline Emond.



BOARD



Dr Judith Bryans BSc PhD RNutr

IDF President – United Kingdom | CEO Dairy UK

Judith was elected IDF President in 2016, having first joined the IDF Board in 2015. Judith served as a member of the Science Programme Coordination Committee (SPCC) for three years from 2005, following a three-year stint as Chair of the Standing Committee on Nutrition and Health. She was appointed Chief Executive of Dairy UK, the dairy supply chain trade association in the UK, in 2013. Dr Bryan's term as IDF President will end in November 2020.

Piercristiano Brazzale

**Chair of the IDF Science and Programme Coordination Committee (SPCC)
– Italy/Brazzale S.p.A.**

Piercristiano joined the IDF Board in 2018. A former member of the IDF SPCC for Environment, Piercristiano works in the family company Brazzale S.p.A.

Eric Grande

IDF Treasurer-ad interim – France/Lactalis

Eric joined the IDF Board in 2018. He is the Director, Regulatory Affairs of LACTALIS Group and is also the President of the IDF French National Committee. Eric has been involved in IDF since 1995 and has contributed as an expert in several Standing Committees.

Alwyn Kraamwinkel

South Africa | South African Milk Processors' Organisation

Alwyn joined the IDF Board in 2016. Alwyn is CEO of SAMPRO, a member of the Board of Directors of Milk SA, Chair of the Board of Directors of Dairy Standard Agency, and leader of the business caucus of the Dairy Sector Task Team of the National Economic Development and Labour Council.

Minfang Lu

China | CEO & Executive Director Mengniu Dairy in China.

Minfang Lu joined the IDF Board in 2019 as a dairy sector (processing) representative. He is the Chief Executive Officer and Executive Director of the Mengniu Dairy in China.



Helle Huseby

Norway | Tine SA

Helle joined the IDF Board in 2019 as the National Committee representative. In addition to her role as the National Secretary of IDF Norway, Helle is the Trade Policy and Government Relations Manager at TINE SA.

Ron Maynard

Canada | Dairy Farmer in Tyne Valley

Ron has been a member of the IDF Board since 2016. He has been involved with the IDF since 2007, including four years as Chair of the Farm Management Standing Committee and one year as a member of the SPCC. Ron has been a partner of a family farm in Canada since 1982.

Catherine Tokarz

Canada | Saputo Inc.

Catherine joined the IDF Board in 2016 and has been involved with IDF for more than 25 years. She has worked in dairy policy and economics as well as regulatory affairs with dairy farming organisations, dairy processing associations and government. Catherine is Senior Vice-President of Governmental Affairs at Saputo Inc. and currently serves as Vice President of IDF Canada.

Dr Harrie van den Bijgaart

The Netherlands/ Qlip B.V.

Harrie joined the IDF Board in 2018. He has been involved in IDF work since 1993 and has been active in the area of methods and analysis. Harrie has held several key positions in the Standing Committees, SPCC and MSSG.

SCIENCE AND PROGRAMME COORDINATION COMMITTEE

Piercristiano Brazzale (IT)
Chair

Prof. Dr Andrew Novakovic (US)
Academia

Dr Steve Holroyd (NZ)
Methods of Analysis and Sampling

Dr Jamie Jonker (US)
Animal Health and Welfare

Andrew Hoggard (NZ)
Dairy Sector (farming)

Michel Donat (CH)
Dairy Sector (processing)

Benoit Rouyer (FR)
Economics and policies

Richard Walton (JP)
Marketing

Luisa Candido (UK)
Food Standards

Kieran Jordan (IE)
Hygiene and Safety

Maretha Vermaak (ZA)
Nutrition and Health

Dr D K Sharma (IN)
Technology

Dr Ying Wang (US)
Environment

Dr Koos Coetzee (ZA)
Farm Management

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Ms Helen Dornom
Australia

Dr Lien Callewaert
Belgium

Mr Guillaume Tessier
Brazil

Mr Pierre Doyle
Canada

Mr Octavio Oltra Hidalgo
Chile

Mr Jingquan Fang
China

Mr Georgios Papaioannou
Cyprus

Dr Jiri Kopacek
Czech Republic

**Ms Sanne Bastholm
Rasmussen**
Denmark

Prof Mahmoud Elbassyouny
Egypt

Ms Kajsa Haga-Henelius
Finland

Mr Thierry Geslain
France

Mr Ludwig Börger
Germany

Mr Bjarni Ragnar Brynjolfsson
Iceland

Mr Meenesh Shah
India

Dr Mark Fenelon
Ireland

Dr Tova Avrech
Israel

Dr Massimo Forino
Italy

Mr Osamu Suganuma
Japan

Ms Margaret Rugut Kibogy
Kenya

Mr Byung Gab Son
Republic of Korea

Mr Henrik Kjaerbye
Kuwait

Ms Erna Galvanovska
Latvia

Dr Laima Urbsiene
Lithuania



43

Member Countries

1,200
Global Experts

17

Standing committees

5

Task Forces

Ms Jeanne Bormann
Luxembourg

Ms. Narantungalag Sarandagina
Mongolia

Mr Ajay Pokhrel
Nepal

Mr Jurgen Jansen
Netherlands

Ms Sharon Mitchell
New Zealand

Ms Helle Huseby
Norway

Dr Marcos Medina
Paraguay

Dr Piotr Kolakowski
Poland

Mr Artyom Sergeevich Belov
Russian Federation

Mr Edu Roux
South Africa

Ms Maria Karlsson
Sweden

Dr Andreas Aeschlimann
Switzerland

Prof Dr Nevzat Artik
Turkey

Prof Hanna Lavreniuk
Ukraine

Mr Ian Wakeling
United Kingdom

Ms Debra Wendorf-Boyke
United States

Ms Ana Pedemonte
Uruguay

Ms Tendayi Clementine Marecha
Zimbabwe



FINANCIAL STATEMENT

After appropriation of the 2019 result the balance total is € 1,897,615.

The equity amounts to €1,524,616; this is € 120.129 more than at end 2018 due to the surplus over 2019 which is further detailed opposite.

IDF balance sheet	31/12/2019	31/12/2018
Total assets	1,897,615	1,658,231
Fixed assets	11,300	18,771
Receivables <1 yr	5,245	69,335
Investments	0	185,454
Cash	1,858,040	1,369,456
Deferred charges	23,030	15,215
Total liabilities	1,897,615	1,658,231
Equity	1,524,616	1,404,488
Payable <1 yr	370,699	246,640
Deferred income	2,300	7,103

IDF income statement (euro)	2019 actual	2018 actual
Revenues	1,504,395	1,473,809
Membership fees	1,335,733	1,255,151
Income from IDF publications	78,475	125,830
Income from IDF events	57,356	88,200
Partnership income	26,000	0
Financial income	4,718	2,498
Other income	2,113	2,130
Costs	1,384,266	1,406,065
Staff salaries, social security, pensions	844,907	835,961
Office rent and charges	117,470	113,143
IT and phone	30,731	66,980
Insurances, maintenance, leasing	8,269	7,889
Taxes	27,863	22,956
Travel	94,113	96,303
Meeting costs	5,282	12,168
Editing, layout and printing		77,239
Variable office costs	14,788	18,400
Audit, consultants and outsourcing	37,333	35,932
Depreciations	13,745	14,523
Financial charges	4,350	4,806
Communications		
- Website & Intranet	35,560	
- Publications	83,484	
- Events	16,129	
- Communications materials	24,162	
IDF contributions	26,078	
Other charges		99,766
Result of ordinary activities	120,129	67,744
Exceptional results		-451,840
RESULT	120,129	-384,096

*in 2019 the heading "Editing, layout and printing" and "Communications" are redirected in 4 subheadings under communications



GLOBAL DAIRY EXPERTISE SINCE 1903

Helping nourish the world with safe and sustainable dairy

IDF is the leading source of scientific and technical expertise for all stakeholders of the dairy chain. Since 1903, IDF has provided a mechanism for the dairy sector to reach global consensus on how to help feed the world with safe and sustainable dairy products. A recognised international authority in the development of science-based standards for the dairy sector, IDF has an important role to play in ensuring the right policies, standards, practices and regulations are in place to ensure the world's dairy products are safe and sustainable.



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