

ANNUAL REPORT 2024



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Global dairy
expertise since
1903
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1.

President's Introduction



As I reflect on my final year as President of the International Dairy Federation, I am filled with an overwhelming sense of pride. This period has been a remarkable journey for both IDF and myself, as we marked the 120th anniversary of this esteemed institution.

Since 1903, IDF has stood as the main source of science and expertise as well as the global voice for the dairy sector, and it is an honor to have played a role in shaping its legacy and ensuring that we continue to advance our mission in such a dynamic world.

IDF is not only a beacon of dairy expertise but also a community of dedicated individuals and organizations working together toward common goals. This period has been particularly significant as we welcomed a new Director General, Laurence Rycken, to lead us into the future. I want to extend my heartfelt gratitude to Laurence for stepping into this role with such passion and vision. I am confident that under her guidance, IDF will continue to strengthen its position as a leader in the global dairy arena. At the same time, I would like to thank Caroline Emond, our former Director General, for her outstanding service and dedication. Caroline's leadership was instrumental in navigating IDF through critical years, and she leaves behind a robust foundation for Laurence to build upon.

Throughout my tenure, I have had the privilege of working alongside an exceptional team. To my fellow Board members, thank you for your unwavering commitment and collaboration. To the National Committees, your engagement and expertise have been the backbone of IDF's success. And to the staff at the IDF Head Office, your tireless efforts continue to propel IDF forward, and for that, I am deeply grateful.

As we celebrate 120 years of IDF, I cannot help but feel immense pride in what we have achieved together. The dairy sector today faces both challenges and opportunities, and I have full confidence that IDF, with its strong institutional framework, is prepared to meet them. We have advanced our work in areas that are critical to the future of dairy—sustainability, nutrition, food safety, and innovation—ensuring that we remain at the forefront of dairy science and policy.

This final period as President has been both rewarding and humbling. I am proud to have been a part of this remarkable institution and to have contributed to its enduring mission. I leave with great optimism for the future of IDF and the global dairy sector. Together, we have built something strong, and I know that with Laurence at the helm, supported by all of you, IDF's next chapter will be even more inspiring.

I am returning with great pleasure, but with greater experience and awareness to work in the standing committees to contribute to the valuable work of OUR organization in the interest of the entire dairy sector.

Finally, I would like to wish the new president good work in his 4-year term.

Thank you all for your trust, your hard work, and your shared commitment to the continued success of IDF.



Piercristiano Brazzale

President of the International Dairy Federation

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கூட்டுறவு சங்கம் (STEP)

கந்தளேரி ஊராட்சி
சமூககலாசார சேவையம்.
நாகை கட்டிடம்
கருணாகரன் P.O.
தலையர்



2.

Message from the Director General



I am pleased to present to you the Annual Report for 2023-2024, marking my first as Director General of the International Dairy Federation. Since stepping into this role in April 2024, I continue to be inspired by the global dairy sector's incessant dedication and resilient spirit in these challenging times.

This year has been one of transition for the IDF. We've navigated a changing global landscape while remaining steadfast in our mission to serve as the voice of the dairy sector. Our collective achievements across sustainability, food safety, nutrition, and the dairy value chain are a testament to the strength of the IDF community, both within our office and among our wider network of experts.

After having served the federation for 12 years and having it seen evolving, it is my honor to continue my journey with the support and guidance of IDF's governing bodies.

The 2023-2024 period has been marked by a series of significant achievements that underscore IDF's ongoing commitment to advancing the global dairy sector. Our regional event in India brought key stakeholders together to explore region-specific challenges and opportunities, furthering collaboration within the sector. Meanwhile, the Analytical Week held in Zimbabwe facilitated critical discussions on dairy quality and safety standards, reinforcing our role in setting international benchmarks. High-level participation in events such as the 60th anniversary of the Codex Alimentarius Commission (CAC), the high-level AMR dialogue, and the UNEP side event on sustainability highlighted IDF's active engagement in shaping global policies. Additionally, the publication of reports, including the Animal Health and Welfare

(AHW) and Women in Dairy reports, reflects our ongoing efforts to address pivotal issues within the dairy sector. These milestones demonstrate IDF's dedication to leadership and innovation across the value chain.

As we look back on 2023-2024, I would like to express my sincere gratitude to the entire IDF Head Office staff. Your unwavering commitment has been the backbone of our success, and it is because of your hard work that we continue to deliver on our mission in such an impactful way. From maintaining progress within the program of work, organising events throughout the year to spread the latest science and creating networking opportunities, to being the voice of dairy at global institutions, your efforts have ensured that IDF remains at the forefront of dairy science and policy.

Looking ahead, I am filled with optimism. We are poised to tackle the challenges and opportunities that lie ahead with resilience and determination, working together to ensure that the global dairy sector thrives as a cornerstone of sustainable and healthy food systems.

Let us continue to work as one—strengthened by our shared vision, inspired by the knowledge that together, we can shape a better future for the dairy sector and the world.



Laurence Rycken

Director General, International Dairy Federation



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3.

Message from the Chair of the Science and Programme – Coordination Committee



With more than 150 items, the current Programme of Work spans the activities of all IDF 15 Standing Committees and 5 Task Forces tackling topics relevant to the global dairy sector along the entire dairy chain. This number changes as projects are added to monitor developments from other organisations or to bring new guidance for the dairy sector. This dynamic work programme is possible due to the extensive network of IDF experts.

More than halfway through the IDF Strategic Work Plan 2022 – 2025, recent actions completed or on the way include the review of mandates of the Standing Committees with some restructuring to better fit the current and future needs for the global dairy sector. An important action for this year has been a mapping of expertise available where our aim is to know what we have, identify possible gaps, and to ensure our working structure fits the evolving needs of the sector.

IDF's pillars remain standards, sustainability, nutrition and health, and hygiene and safety. Standards have been a pillar of IDF work for decades, and spans most of the outputs from IDF in composition, labelling, with CODEX, analytical, with ISO, environmental, with UNEP or animal health with WOAHA.

Hygiene and safety remain high on our agenda, whether providing guidance for the sector for preventing chlorine-derived agents in the dairy chain or contributing to work of international organisations such as Codex on the use and reuse of water to encourage sustainable practices and ensure dairy products are safe. Sustainability and climate action have been a vital chapter of our programme of work this year. The IDF is supporting LCA practitioners by providing a verification tool for the IDF Carbon Footprint methodology, the LCA Global Standard that can assist the dairy industry in its efforts to reduce GHG emissions across all its value chains.

In 2016 on behalf of IDF, I attended the first United Nations High Level on Antimicrobial Resistance (AMR). This was not the first foray by IDF into AMR but rather part of our journey in addressing AMR as part of a One Health approach. The 2024 IDF Guide to Prudent Use of Antimicrobial Agents in Dairy Production will reflect some changes in knowledge about prudent and responsible antimicrobial use since the original publication. This year's IDF Animal Health Report showcases studies, research, and actions that dairy farmers around the world are taking to address AMR as part of that One Health approach.

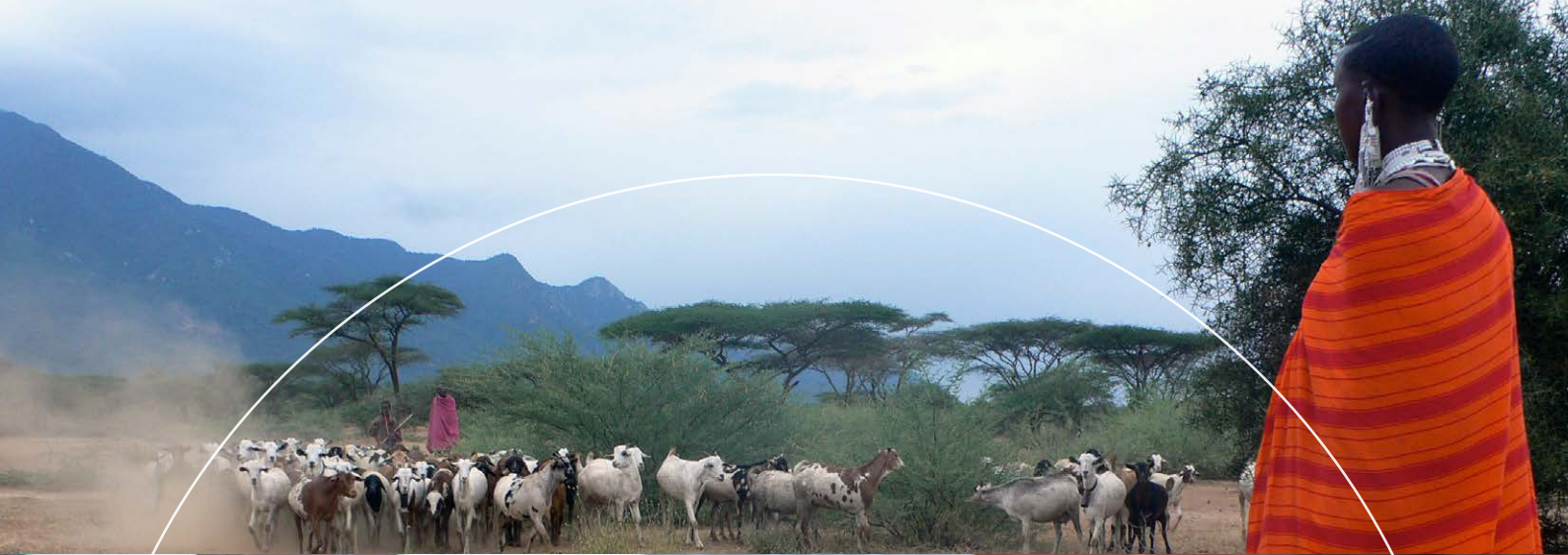
Dairy's nutrition and health benefits are a key focus for IDF. In the past year, the 4th Nutrition and Health Symposium attracted over 1,100 health professionals. Extensive work on the dairy matrix was published, including factsheets and a peer-reviewed paper. A new Bulletin highlighted findings from the latest survey on school milk programmes. IDF scientific and technical work is becoming more transversal impacting the whole dairy chain. IDF continues to address these through Task Forces such as 'Women in Dairy' and 'Protein Transition.

Finally, and most importantly, IDF would not exist without all the experts who devote their expertise and time to deliver the IDF programme of work. We can never thank you enough.



Dr. Jamie Jonker

Chair of the IDF Science and Programme Coordination Committee (SPCC)



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4.

Global Reach



| | | | |
|--|------------------|--|-----------------------|
| | Argentina | | Kuwait |
| | Australia | | Latvia |
| | Belgium | | Lithuania |
| | Brasil | | Luxembourg |
| | Canada | | Mexico |
| | Chile | | Mongolia |
| | China | | Netherlands |
| | Cyprus | | New Zealand |
| | Czechia | | Norway |
| | Denmark | | Poland |
| | Finland | | Russia |
| | France | | Rwanda |
| | Germany | | South Africa |
| | Iceland | | South Korea |
| | India | | Sweden |
| | Ireland | | Switzerland |
| | Israel | | United Kingdom |
| | Italy | | United States |
| | Japan | | Zimbabwe |
| | Kenya | | |



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5.

At a glance



October 2023

IDF World Dairy Summit in Chicago, US



At the first International Dairy Federation World Dairy Summit (IDF WDS) held in the United States in 30 years, more than 1,240 dairy leaders from 55 countries celebrated IDF's 120th anniversary and highlighted dairy's innovations, market opportunities and contributions to global sustainability, food security and more.

[Read more about the IDF WDS 2023 here](#)

November 2023

COP28



IDF participated in the 2023 COP28 summit, organised an official side event with EDA on "How animal source foods nourish the world in times of climate change" and published a joint statement with GDP.

[Read more about IDF's side event here and read the joint statement here](#)

November 2023

Codex Alimentarius



IDF attends the Codex Alimentarius Commission.

[Read more about IDF's contribution at the Codex Alimentarius here](#)

December 2023

IDF Milking Technologies Symposium



IDF Milking Technologies Symposium

28-29 November 2023
Online
Registration open now!

The Milk Technologies Symposium was a premier event that brought together experts and innovators in the dairy sector to explore (virtual). Showcasing the latest advancements in milking technology and sustainable practices. The symposium was structured into three highly focused sessions, each addressing critical aspects of dairy technology and animal welfare.

[Read more about it here.](#)

March 2024

The Codex Committee on Food Hygiene



IDF co-lead finalization of dairy annex in Codex guidelines on use and reuse of water, Nairobi, Kenya: The Codex Committee on Food Hygiene has now finalized the annex III to the Codex Guidelines for the use and reuse of water in food production dedicated to milk and milk products, for adoption at step 5/8 by the Codex Alimentarius Commission in November this year. If adopted, this annex would be available early 2025.

[Find out more here.](#)

March 2024

IDF side event on Sustainable Dairy Ecosystems



An IDF side event on Sustainable Dairy Ecosystems was held during the United Nations Environment Assembly in Nairobi: Under the theme “Sustainable Dairy Ecosystems nutrition security, women’s empowerment, climate-smart agriculture, action on nature and biodiversity enhancement”, high level panelists focused on the positive and negative impacts of ruminant production on several aspects of sustainability, including environment.

[You can see the full programme here.](#)

April 2024

Appointment of A New Director General



IDF Announces the Appointment of A New Director General, Ms Laurence Rycken: The Board of Directors of the International Dairy Federation (IDF) announced the appointment of Ms Laurence Rycken as new Director General as of 1 April, 2024.

[Read the full announcement here.](#)

April 2024

Codex Committee on Food Additives



Finalisation of the dairy alignment at the Codex Committee on Food Additives

[Read more about IDF’s contribution on Food Additives.](#)

May 2024

Codex Committee on Methods of Analysis and Sampling



IDF attended the Codex Committee on Methods of Analysis and Sampling

[Read more about IDF’s contribution on Methods of Analysis and Sampling](#)

May 2024

IDF Nutrition and Health Symposium 2024



IDF organised its fourth annual IDF Nutrition and Health Symposium 2024 with a focus on the role of dairy in dietary guidelines around the world.

[Read the full press release here.](#)

June 2024



IDF Cheese Science and Technology Symposium

IDF Cheese Science and Technology Symposium, Bergen, Norway: The symposium brought together around 200 scientists and cheese specialists from all over the world travelled to Bergen in Norway

June 2024



World Milk Day

As this year we continued to commemorate the 120th anniversary of IDF, we invited our members and stakeholders you to join us by sharing the faces of the dairy community in their regions – from hardworking farmers and dedicated traders to innovative processors, insightful scientists, and esteemed experts, including yourselves – all with the powerful message: #WeAreDairy

[See some of the posts here.](#)

June 2024



World Food Safety Day

IDF celebrated World Food Safety Day

[Read more here.](#)

June 2024



IDF Regional Dairy Conference Asia Pacific 2024

IDF Regional Dairy Conference Asia Pacific 2024

[Learn more about this event here.](#)

June 2024







IDF/ISO Analytical Week 2024, Victoria Falls, Zimbabwe

This yearly event advances the development of the IDF/ISO joint standards for methods of analysis and sampling for milk and milk products, address local and international standardisation issues, and build or maintain a network.

[Read more here.](#)



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|--|--|
| <p>July 2024</p>  | <p>FAO - LEAP Partnership session</p> <p>FAO - LEAP Partnership session</p> <p>Find more about it here.</p> |
| <p>September 2024</p>  | <p>IDF session at the 22nd IUFoST World Congress of Food Science and Technology</p> <p>IDF session at the 22nd IUFoST World Congress of Food Science and Technology</p> <p>See some of the posts here.</p> |
| <p>September 2024</p>  | <p>World School Milk Day</p> <p>IDF was excited to celebrate World School Milk Day on 25 September 2024, continuing its mission to ensure that every child has access to nutritious foods. As part of this global event, IDF is shining a light on the critical role that milk and milk products play in supporting the health and development of children and adolescents through school milk and feeding programmes.</p> <p>Read the full press release here.</p> |
| <p>October 2024</p>  | <p>IDF attended the Codex Committee on Nutrition and Foods for Special Dietary Uses</p> <p>IDF attended the Codex Committee on Nutrition and Foods for Special Dietary Uses</p> <p>Read more here.</p> |



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6.

About The International Dairy Federation



IDF is leading the global dairy sector by ensuring that the best scientific expertise is used to support high quality milk, safe, nutritious, and sustainable dairy, good animal health and welfare and good dairy chain practices.

As part of its 2022 -2025 Strategic Plan, the IDF Board of Directors confirmed the purpose, vision, mission roles and strategic imperatives for the International Dairy Federation as follows.

IDF'S Purpose

To connect and empower the global dairy sector to nourish the world with safe, nutritious, and sustainable dairy.

IDF's vision

Supporting the efforts of the global dairy sector to provide safe, nutritious, sustainable and accessible dairy products to the world's population while being a source of economic and social vitality in agricultural communities and the dairy sector.

IDF's mission



Strengthen the global dairy sector by collecting, extending and sharing science-based dairy expertise and insight for policy development and standard setting at national and international level.

IDF's Roles

Provide science-based expertise.

Build consensus for the global sector.

Serve as the global voice of dairy to Intergovernmental Organizations and provides advocacy material for its members for national activities.

Contribute to capacity-building by developing tools to facilitate understanding and implementation of standards, training material and collaboration with stakeholders.

Strategic Imperatives

1. Contribute to international standards setting and global science-based policies to ensure a viable environment for the dairy value chain.
2. Develop guidance, guidelines and methodologies to facilitate implementation of international standards and to support the actors of the dairy chain to provide safe, sustainable and nutritious milk products.
3. Advocate science-based information on the role of dairy in healthy diets produced in a sustainable manner (socio-economy, environment, animal care, nutrition), in sustainable Food Systems and remain a significant contributor for the UN Sustainable Development Goals
4. Strengthen IDF's recognition as the international hub for global dairy expertise.



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7.

Programme of Work



IDF carries out its mandate by performing work on issues of importance to the dairy sector, as approved by the IDF membership. The IDF Programme of work is the ensemble of work items active or under consideration undertaken by the IDF working bodies, and comprises different types of work relevant to one or more areas of expertise of the federation

1.



Report or submission of an IDF position to another international organization such as the FAO/WHO Codex Alimentarius Commission and its subsidiary bodies, the World Health Organization (WHO), the Food and Agricultural Organization of the United Nations (FAO), the World Organisation for Animal Health (WOAH), etc.

2.



Programme for a symposium, seminar, consultation, conference, workshop or other IDF event.

3.



A publication by IDF (IDF Bulletin, Special issue or IDF/ISO standard or technical specification).

4.



A report to NCs or other internal IDF bodies on a specific issue.

This work is carried according to the IDF strategy 2022 – 2025 and its strategic work plan, which includes the strategic goals below. Those may respond to one or more IDF Strategic Imperatives (listed in Section 6).

The strategic goals are defined by one or more actions and accompanied by Key Performance Indicators (KPIs) to be evaluated by the defined deadline.

IDF's Strategic Goals:

SG 1

Deliver benefits for the entire dairy value chain by effectively engaging with and conveying IDF dairy knowledge expertise and advice to relevant intergovernmental organizations (such as FAO, Codex, WOA, UNEP).

SG 2

Deliver benefits for the entire dairy value chain by effectively engaging with and conveying IDF dairy knowledge, expertise and advice to relevant non-governmental international and regional organizations (such as ISO, ICAR, ISDI).

SG 3

Sustainability & Food Security: Actively promote the role of dairy in sustainable food systems and UN SDGs.

SG 4

Nutrition & Health: Promote dairy consumption for good health for everyone by demonstrating the benefits of dairy's nutrient density.

SG 5

Environment: Facilitate and promote measures to reduce the dairy sector environmental footprint while increasing its positive contribution to eco-systems services.

SG 6

Safety and quality. Advocate and promote food safety and food quality in the dairy chain. Defend food authenticity as defined by Codex for dairy products.

SG 7

Dairy Farming: Support economic sustainable and socially responsible dairy farming by providing guidance and tools to dairy farmers on sustainable farming practices, including animal health and welfare.

SG 8

Provide knowledge to help the dairy sector achieve socio-economic sustainability for the entire supply chain.

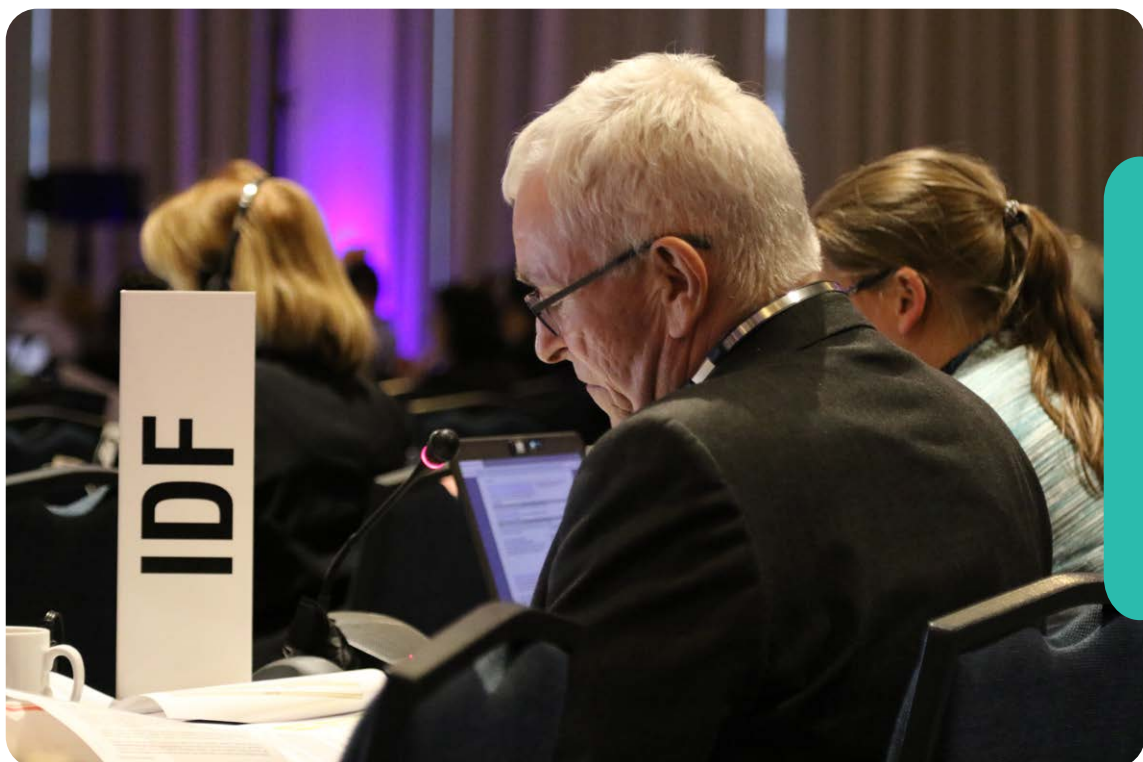
SG 9

IDF is an efficient, resilient and impactful science-based organization.

Below are reports and examples illustrating how the IDF work conducted in the past 12 months has contributed to these IDF Strategic Goals. Each work item on the IDF programme of Work meets at least one or several Strategic Goals.

SG 1

Deliver benefits for the entire dairy value chain by effectively engaging with and conveying IDF dairy knowledge expertise and advice to relevant intergovernmental organizations (such as FAO, Codex, WOA, UNEP).



The IDF strategy identifies IDF's role to serve as the global voice of dairy to intergovernmental Organizations as well as contribute to capacity-building by developing tools to facilitate understanding and implementation of standards, training material and collaboration with stakeholders. Therefore, engagement and collaboration with a broad scope of stakeholders is a priority for IDF, who is currently engaged with key intergovernmental or international governmental organisations such as: FAO, Codex, ISO, WOA, WHO.

Codex work is crucial to allow for fair trade

and consumer protection, IDF is therefore fully committed to engage in topics that are relevant for the dairy sector. IDF's ongoing advocacy efforts with Codex committees are focused on several key areas to ensure that dairy products are safe, nutritious, and accurately labeled for consumers worldwide.

IDF is active in a number of Codex Committees relevant for the dairy sector such as the Codex Committees on Food Hygiene, Food Labelling, Methods of Analysis and Sampling, Nutrition and Foods for Special Dietary Uses, to name a few.

2023-2024: CCFA – Food Additives – Achievement on IDF priority project on alignment of food additives provisions

The 54th session of the Codex Committee on Food Additives held in Chengdu, China, in April 2024 saw the completion of a major piece of work on the alignment of food additives provisions from the Codex Dairy Standards with the General Standard For Additives (GSFA, CXS 192).

This work has been on the CCFA agenda since 2017 and addressed the food additives provisions from 34 Codex dairy standards.

The aim was to avoid inconsistencies between the information contained in the dairy standards themselves, such as the General standard for Cheese (CXS 283), and the General Standard for Food Additives (GSFA, CXS 192), and consequently avoid trade issues.

Provided adoption by the Codex Alimentarius Commission in November this year, the

GSFA will then be the only reference for food additives permissions in milk and milk products.

This outcome was possible thanks to all experts who endlessly have provided knowledge, energy, engagement and resources to this work over the past two decades, helping IDF keeping track of inconsistencies, bringing this on the Codex agenda, and translating the technical information into the Codex language.

IDF participated in a PPP Side Event at the WOHAI General Session, emphasizing the importance of public-private partnerships in meeting future global dairy value chain demands. We highlighted collaborative efforts between governments, dairy producers, and processors to improve cattle welfare through PPPs. Additionally, IDF contributed to the WOHAI Technical Reference Document on antimicrobials of veterinary importance for bovine animals review, reinforcing our commitment to animal welfare and sustainable dairy practices.

SG 2

Deliver benefits for the entire dairy value chain by effectively engaging with and conveying IDF dairy knowledge, expertise and advice to relevant non-governmental international and regional organizations (such as ISO, ICAR, ISDI).



IDF also shares work with international non-governmental organisations (NGOs) such as the International Organisation for Standardization (ISO) to develop standards for analytical methods for milk and milk products, or ICAR (International Committee for Animal Recording).

Beyond this, IDF engages with other work from ISO and ICAR, or other NGOs such as: International Livestock Research Institute

(ILRI), FAO Livestock Environmental Assess Performance Partnership (FAO LEAP), Global Alliance for Sustainable Livestock (GASL-FAO), Global Dairy Platform (GDP), Dairy Sustainability Framework (DSF), World Farmers Organization (WFO), World Veterinary Association (WVA), dairy suppliers, dairy processors, global sectoral livestock organizations, infant formula organisations, and many others.

Collaboration with other organisations

Collaboration with IUFoST - International Union of Food Science and Technology

In 2024, IDF has strengthened its collaboration with the International Union of Food Science and Technology (IUFoST). A Memorandum of Understanding (MOU) was signed, marking a significant step forward in our partnership.

Key initiatives under this collaboration include:

- ▶ **IDF Session at the World Congress:** in September 2024, IDF hosted a dedicated session at the World Congress on the role of dairy processing in sustainable food systems, furthering our engagement with global experts in food science and technology.

- ▶ **Joint Webinars:** We will organise a series of joint webinars to disseminate knowledge and best practices across the dairy and food science sectors.
- ▶ **Technical Collaboration:** Efforts will be made to develop and increase technical collaboration, leveraging each organization's expertise to address industry challenges.
- ▶ **Enhanced Visibility:** This partnership will also enhance the visibility of both organizations, showcasing our commitment to advancing food science and technology.

This collaboration underscores our shared commitment to innovation, sustainability, and the dissemination of knowledge within the global food community.

SG 3

Sustainability & Food Security: Actively promote the role of dairy in sustainable food systems and UN SDGs.



IDF promotes dairy's essential role in sustainable food systems, highlighting its contribution to global food security and alignment with the UN Sustainable Development Goals (SDGs). IDF advocates for responsible dairy production that supports environmental, social, and economic sustainability.

1. Key events on Sustainability

As part of our strategic goal to provide members with scientifically sound and relevant information and support on all the dimensions of Sustainability and Food Security, including nutrition, environmental protection, animal health and welfare, and socio-economic stability, IDF engaged in a series of events.

These events served as critical platforms for the dissemination of scientific knowledge, enabling IDF to support its members in their national and global efforts.

2. New Task Force on the Place of Dairy in the Protein Transition

In 2024, a new Task Force was established to highlight the crucial role that dairy plays in the global protein transition, emphasizing its value from all sustainability dimensions, positioning dairy as an integral part of sustainable food solutions.

The initiative aims to counteract misconceptions, shift current narratives from simplistic views of protein needs to a more nuanced understanding that considers the holistic role of food. The Task Force will develop communication materials to support national initiatives, ensuring that the positive attributes and benefits of dairy are effectively communicated within the context of sustainable food systems.

SG 4

Nutrition & Health: Promote dairy consumption for good health for everyone by demonstrating the benefits of dairy's nutrient density.



Highlights

IDF actively supports science-based nutrition policies to ensure that dairy remains a vital component of the diet for all age groups, helping to bridge the nutritional gap. Our efforts focus on enhancing the understanding of dairy's importance by sharing information on its nutritional value and its role in healthy, sustainable diets. Additionally, IDF aims to increase awareness of dairy science and its impact on nutrition and health.

1. The Dairy Matrix

The shift from nutrient-focused to food-focused research recognizes that the health

effects of foods go beyond individual nutrients. Central to this evolution is the concept of the food matrix, which emphasizes that the nutritional and health impacts of a food item often exceed the sum of its individual components. In dairy, this means that the health benefits extend beyond specific nutrients, resulting in unexpected health effects linked to the dairy matrix.

The concept of the dairy matrix continued to gain traction in 2023 and 2024. Building on the foundational work from previous years, the following progress has been made:

- ▶ Three additional IDF factsheets were published, delving deeper into the matrix on specific dairy foods and their health effects. These are:
 - ▶ [Factsheet of the IDF N° 33/2023: Dairy matrix: The case of milk](#)
 - ▶ [Factsheet of the IDF N° 34/2023: Dairy matrix: The case of cheese](#)
 - ▶ [Factsheet of the IDF N° 35/2023: Dairy matrix: The case of yoghurt](#)
- ▶ These three factsheets complement the overall one published in earlier in 2023, [Factsheet of the IDF N° 27/2023: Dairy matrix: Understanding its impact on the health effects of dairy foods](#)
- ▶ A peer-reviewed paper titled [“The Dairy Matrix: Its Importance, Definition, and Current Application in the Context of Nutrition and Health”](#) was published

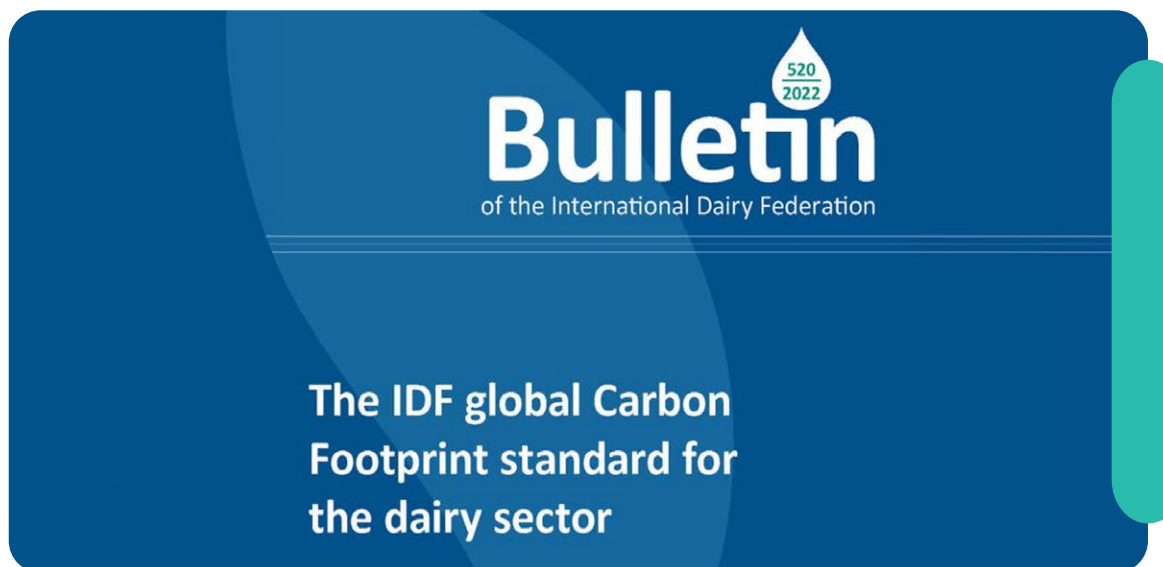
in the academic journal *Nutrients* to highlighting the critical role of the dairy matrix in nutrition and health and proposing harmonized definitions. A graphic was created and included in the paper to visually illustrate the link between the dairy matrix and health, helping to communicate this complex concept more effectively to the scientific community

- ▶ A strategic plan has been developed to disseminate knowledge about the dairy matrix in relevant conferences. This plan will ensure that the insights gained from research are effectively shared with relevant stakeholders, including policymakers, health professionals, and consumers.

This ongoing work reflects the IDF's commitment to advancing the understanding of the dairy matrix and its implications for health, reinforcing the importance of dairy foods in a balanced and nutritious diet.

SG 5

Environment: Facilitate and promote measures to reduce the dairy sector environmental footprint while increasing its positive contribution to eco-systems services.



IDF is committed to facilitating and promoting measures that reduce the dairy sector's environmental footprint while enhancing its positive contributions to sustainability. We actively work on initiatives such as the continuous update on the carbon footprint standard for the dairy sector, in particular the Life Cycle Assessment (LCA) Verification Framework, aimed at standardizing sustainability assessments, ensuring that carbon footprint calculations align with IDF methodologies. Additionally, IDF contributes to the development of guiding principles for nutritional Life Cycle Assessments (nLCA), reflecting our holistic approach to sustainability that includes both environmental and nutritional impacts. Our efforts in methane management, engagement in ecosystem service initiatives, and collaboration on global guidelines further emphasize IDF's dedication to driving the dairy sector towards a sustainable future.

1. LCA Verification Framework

In 2024, the International Dairy Federation (IDF) introduced a Life Cycle Assessment (LCA) Verification Framework aimed at ensuring adherence to the IDF guidelines for calculating carbon footprints and other sustainability metrics within the dairy sector. This LCA Verification Framework marks a significant step forward in standardizing sustainability assessments across the dairy industry, promoting more accurate and reliable reporting on environmental impacts. The key aspects of this framework are:

- ▶ Purpose: The framework is designed to verify that calculations and carbon footprint tools align with the IDF methodology, enhancing the credibility and transparency of sustainability assessments in the dairy sector.

- ▶ **Simplicity and Evolution:** The framework begins as a straightforward, version 1.0 tool, with plans for iterative improvements over time. This approach allows for gradual refinement and increased robustness as the tool is applied in various contexts.
- ▶ **Methodology Focus:** The primary focus of the framework is on the methodology rather than data quality, ensuring that the principles and processes outlined by IDF are consistently followed.
- ▶ **Verification Process:** The framework includes an assessment module, currently built in Excel, that can be used for self-assessment or by external verifiers. This module checks how well the IDF method is followed and increases transparency in reporting.
- ▶ **Final Product:** The completed framework consists of a detailed explanatory document and a spreadsheet that implements the verification process, providing a practical tool for industry stakeholders.

This Verification Framework is a critical step for the IDF in ensuring that sustainability metrics, such as carbon footprint calculations, adhere to established methodologies, thereby enhancing transparency and credibility in the dairy sector.

SG 6

Safety and quality. Advocate and promote food safety and food quality in the dairy chain. Defend food authenticity as defined by Codex for dairy products.



IDF is committed to advancing and sharing knowledge and best practices within and on behalf of the global dairy sector through various capacity-building initiatives, ensuring that the dairy sector remains informed, resilient, and capable of meeting the evolving demands of consumers and regulators worldwide. Key IDF contributions in this area include cochairing the work on the dairy annex of the Guidelines for the use and reuse of water, done within Codex Committee on Food Hygiene, or the continuous work of the IDF Knowledge Platform on Contaminants, who develops practical guidance for prioritized contaminants of concerns. Recent publications cover Chlorate, and Chlorine and hypochlorite residues.

Bulletin of the IDF N° 525/2023: Practical considerations of sampling when monitoring dairy food production

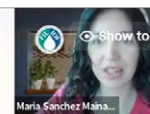
In-process sampling during dairy production and processing is critical for hygiene management, process monitoring, and microbiological risk management.

This document supports dairy plants and farms in generating accurate and representative in-process microbiological sample data, by providing practical guidance for in-process product sampling detailing food microbiological analytical methods, defined processes, and responsibilities for taking samples along the process chain. A harmonized sampling process is proposed here to help provide accurate and comparable results to identify in-line contamination or quality implications proactively.

SG 7

Dairy Farming: Support economic sustainable and socially responsible dairy farming by providing guidance and tools to dairy farmers on sustainable farming practices, including animal health and welfare.

IDF DAIRY FARMER'S ROUNDTABLE: FARMER RESILIENCE



The roundtable will be moderated by **Lynda McDonald**, SPCC representative of Farm Management.

Speakers:

Kylie Leonard, Taupo, New Zealand based Dairy Farmer, Governance Specialist, and dual Board Chair.

Wilco Brouwer, Dairy Farmer in The Netherlands, board member of the Dutch dairy farmers organization.

Paul Windemuller, US Dairy Farmer, Agripreneur, 2024 Nuffield Scholar, Podcast Host Brief

IDF is committed to supporting economically sustainable and socially responsible dairy farming by providing guidance and tools to dairy farmers on sustainable practices, with a focus on animal health and welfare. Through initiatives like the IDF Farmers' Roundtable, we provide platforms for dairy farmers to share experiences and explore innovative business models, enhancing resilience and encouraging new entrants into the sector. We also emphasize the importance of best practices in calf management to promote the welfare and productivity of young stock. Addressing challenges like heat stress, IDF has convened a global team of experts to provide practical solutions, helping farmers mitigate the impacts of climate change on cattle health and milk production. The launch of the IDF Dairy Cattle Welfare Forum further underscores our commitment to

advancing animal welfare by sharing global best practices and fostering collaboration among sector leaders. Additionally, the IDF Animal Health Report and its focus on young stock management and antimicrobial resistance (AMR) demonstrate our dedication to improving health outcomes and promoting responsible farming practices. Through these efforts, IDF continues to lead the way in fostering sustainable, high-welfare dairy farming practices worldwide.

1. IDF Dairy Cattle Welfare Forum

In October 2023, during the Business meetings prior to the IDF World Dairy Summit, IDF hosted the first IDF Dairy Cattle Welfare Forum, a pivotal event aimed at enhancing global awareness and understanding of dairy welfare assurance. This forum served as a

vital platform for international leaders in dairy welfare to exchange knowledge, share best practices, and collectively address the challenges and opportunities in improving animal welfare within the dairy sector.

The primary objective of the forum was to elevate the standards of dairy cattle welfare assurance across different countries. By providing participants with an overview of existing quality assurance programs, the forum fosters a deeper understanding of the diverse approaches taken globally and highlights the importance of implementing robust welfare practices.

Throughout the event, experts and stakeholders from around the world engaged in insightful discussions on key topics, including the latest developments in welfare standards, innovative practices for enhancing cattle welfare, and the role of continuous improvement in ensuring the well-being of dairy cattle. The forum also provided a unique opportunity for participants to learn from one another, drawing on the rich experiences and expertise present within the global dairy community.

The IDF Dairy Cattle Welfare Forum underscores IDF's ongoing commitment to promoting high standards of animal welfare in the dairy industry. By facilitating dialogue and collaboration among industry leaders, the forum contributes to the global effort to ensure that dairy farming practices are both humane and sustainable, benefiting both animals and producers alike.

2. IDF Animal Health Report

In September 2024, a special edition of the IDF Animal Health Report, with a dedicated focus on Antimicrobial Resistance (AMR) was released. A central part of IDF's long-term strategy to address AMR includes its ongoing participation in the United Nations General Assembly High-Level Meetings on AMR. As a recognized knowledge partner, IDF continues to bring its science-based expertise to the international stage, contributing to global efforts to combat AMR through a One Health approach that integrates animal, human, plant health and the environment.

SG 8

Provide knowledge to help the dairy sector achieve socio-economic sustainability for the entire supply chain.



IDF provides valuable insights and knowledge to help the dairy sector achieve socio-economic sustainability across the entire supply chain. By promoting best practices and fostering collaboration, IDF supports the growth and resilience of dairy communities, ensuring long-term economic viability and equitable opportunities for all stakeholders.

Task Force on Women in Dairy

In this period, IDF continued its significant efforts to promote gender equality and empower women in the dairy sector through its dedicated Task Force on Women in

Dairy. Building on the successes of the previous period, the Task Force has initiated several key activities and projects aimed at supporting women across the dairy value chain. Some of the key initiatives and achievements were:

- ▶ Publication of the first IDF Women in Dairy Report: This landmark report, released in October 2023, features 15 case studies showcasing the experiences and contributions of women in the dairy sector globally. The report highlights the challenges women face and the innovative solutions they are implementing to overcome these obstacles.

- ▶ **First Women in Dairy Roundtable (15 October 2023):** Held in Chicago, this inaugural roundtable brought together 32 participants from around the world, representing various roles within the dairy value chain. The theme of the roundtable, “How Can Technology and Innovation Help Women in the Dairy Sector,” sparked vibrant discussions on leveraging technological advancements to support women’s roles in dairy farming, processing, and management.
- ▶ **IDF Dairy Innovation Awards for Innovation in Women Empowerment:** This new award category was introduced to recognize and celebrate innovative initiatives that empower women in the dairy sector. The award aims to inspire others to adopt best practices that promote gender equality and enhance the role of women in the sector.
- ▶ **Second Webinar on International Women’s Day:** Continuing the momentum from previous years, IDF hosted its second webinar on International Women’s Day. The event provided a platform for women in dairy to share their stories, discuss ongoing challenges, and explore opportunities for further empowerment.
- ▶ **Launch of the IDF Women in Dairy Knowledge Hub:** This online platform was developed to serve as a central resource for information, best practices, and networking opportunities related to women in dairy. The hub is designed to support women at all stages of their careers by providing access to tools, resources, and a global community of peers.

These initiatives reflect IDF’s ongoing commitment to supporting women in the dairy sector. Through the Task Force on Women in Dairy, IDF is working to create a more inclusive and equitable sector, where women have the tools, opportunities, and recognition they need to thrive.

SG 9

IDF is an efficient, resilient and impactful science-based organization.



As part of its strategic work plan, one of the strategic goals is for IDF to be an efficient, resilient and impactful science-based organization. A number of actions have been identified to reach those objectives, and most efforts in the past months were on the following.

1. Prioritization of Work

As any organization, IDF must prioritize its work based on importance, urgency in order to allocate resources, and focus communication.

All work items of the IDF are identify with one of the 4 following priority level:

- ▶ Priority projects About 5 items per year. Number must remain low to facilitate focus and communication of high added value work.
- ▶ Important AND urgent. Higher importance that needs to be done within a short timeframe.
- ▶ Important OR urgent. Should be aligned with at least one IDF strategic goals and resources should be available.
- ▶ Bonus/extras Experts could advance those items when resources are available.

In 2024, the IDF priority projects were the

following, and more details on the current status are available in previous pages:

- ▶ Alignment of food additives provisions between dairy standards and the Codex General Standard for Food Additives
- ▶ Knowledge platform on Contaminants – IDF Guidance on detergents and disinfectants
- ▶ IDF guidelines and IDF input to CCFH guidelines on use and reuse of water
- ▶ Protection of dairy terms – sensibilization to the Codex General Standard for Use of Dairy Terms (GSUDT)
- ▶ School milk as part of school feeding programmes in sustainable food systems
- ▶ Mapping of expertise available and gap analysis,
- ▶ Increase communication with our stakeholders on the benefits to be involved in our organization (link to recruitment factsheet)
- ▶ Succession planning and mentoring.

2. Have enough and relevant expertise for the right projects at the right time

As a non-for-profit organization, IDF relies on its network of volunteers throughout the world to identify the needs for IDF to be the voice of the sector, and to conduct and contribute to all of its outputs.

A series of efforts have been done or are on the way to identify and engage with subject matter experts, and others are ongoing, including:

#WeKnowDairy

and Dairy

We know Dairy

Founded in 1903, IDF has been the leading source of scientific and technical knowledge for over 120 years.

We lead



ANNUAL
REPORT 2024

#WeKnowDairy

IDF's 120th Anniversary and Promotion Campaign Overview

The 120th anniversary of the International Dairy Federation (IDF), celebrated between October 2023 and October 2024, was a landmark opportunity that successfully strengthened IDF's profile within the global dairy community. It was also a strategic opportunity to launch a promotion campaign for actual and potential new members and experts. A series of impactful initiatives were carried out during this period to engage stakeholders and enhance the organization's visibility.

Key initiatives that took place included:

Commemorative/ Testimonial Book & Videos: IDF published two books—an institutional book reflecting on its history with contributions from former and current leaders. Further commemorative videos featuring testimonials from former presidents, collaborators, and experts were also launched.

Logo Intervention: A special 120th-anniversary insignia was integrated below the IDF monogram across all communications and branding materials.

Anniversary Website Section: A dedicated section on the IDF website served as a digital repository for anniversary content, including videos, messages from global dairy leaders, and historical memorabilia.

Digital Campaign "We Are Dairy": The "We Are Dairy" social media campaign successfully positioned IDF as the leading organization in the dairy sector, engaging stakeholders worldwide and fostering pride within the community.

Special Cocktail at IDF WDS 2023: A highlight of the celebration was a special cocktail event at the IDF World Dairy Summit (WDS) 2023 in Chicago, where notable individuals from the dairy industry were honored for their contributions to milk and dairy.

Anniversary Pin: A commemorative pin and merchandise were created and distributed, further marking the occasion and engaging IDF's members and supporters.

These initiatives not only celebrated IDF's rich legacy but also reinforced its role as the "dairy organization par excellence" within the sector.



New IDF Cloud

Back in 2022, we embarked on an ambitious project to revamp the IDF Intranet, and today, we can proudly say that it has transformed how we work. The legacy system, previously built on the PHP Framework Symfony, had served as a CRM, Membership Management tool, Shared Calendar, and Document Repository. However, its limitations and lack of modern features were holding back productivity.

To address these challenges, we adopted a

new approach: developing a hybrid solution that seamlessly integrates open-source and SaaS web platforms while featuring a customized user interface that reflects IDF's unique brand identity. By strategically breaking down the intranet system into three distinct services, we were able to leverage the expertise of market leaders in each domain.

For CRM and Membership Management, we integrated HubSpot, a trusted and proven platform that has empowered IDF to manage all aspects of member data from a secure and GDPR-compliant environment. This ensures full compliance with data regulations while providing peace of mind.

To improve file sharing and collaboration, we implemented NextCloud, the leading open-source solution for Document Management. Alongside this, we integrated Mailchimp for Email Marketing, ensuring seamless synchronization of contacts between platforms and enhancing our ability to engage effectively with our audience.

Through this comprehensive overhaul, we have provided IDF with a unified and streamlined intranet solution that offers the functionality of a cloud-based product while maintaining full ownership of content and data. This new system has optimized our operations, fostered greater collaboration, and enhanced user engagement at every touchpoint.

The IDF Cloud has marked a significant leap forward for the organization. With this robust and feature-rich intranet in place, IDF is thriving in today's dynamic, interconnected world, with productivity and innovation at an all-time high.

IDF Regional Dairy Conferences

The **IDF Regional Dairy Conferences** initiative was introduced to foster greater regional collaboration and enhance the reach of IDF's mission to improve dairy

production and sustainability globally. These conferences aim to bring together key stakeholders within specific regions to discuss unique challenges, opportunities, and innovations relevant to their local dairy sectors. Held annually in rotating regions, the conferences also serve as an additional source of revenue and further solidify IDF's role in global dairy discussions. The outcomes and insights gathered from these events will feed into IDF's global initiatives, such as the World

Dairy Summit, ensuring that regional perspectives are well-represented.

Its main objectives are:

- ▶ **Regional Engagement:** Strengthen ties between regional dairy stakeholders and the global dairy community through collaborative discussions and networking opportunities.
- ▶ **Specific Focus:** Tailor conference content to address the most pressing dairy issues and opportunities specific to each region, including sustainability, food safety, dairy innovation, and market access.
- ▶ **Enhance IDF Visibility:** Use the conferences as a platform to showcase IDF's role in setting global standards, driving innovation, and supporting sustainability efforts in the dairy sector.
- ▶ **Generate Additional Revenue:** Position the IDF Regional Dairy Conferences as an additional revenue stream, helping to support IDF's broader activities and events.
- ▶ **Promote IDF Strategy:** Align the themes and discussions at the conferences with IDF's strategic pillars, including Standards, Food Safety and Quality, Nutrition, and Sustainability.
- ▶ In 2024, the first-ever **IDF Regional Dairy**

Conference for the Asia Pacific region will be held in **Kochi, India**, organized by the IDF National Committee of India. This landmark event will focus on sustainability, innovation, and food security in the context of the Asia Pacific's dynamic and rapidly evolving dairy sector. By bringing together regional experts, policymakers, and industry leaders, the conference will provide a platform for knowledge exchange and collaboration aimed at addressing the region's most pressing dairy challenges.

The outcomes of the Asia Pacific conference will contribute to the broader global dairy discussions, particularly in terms of sustainability and innovation, and will be a key reference point at the IDF World Dairy Summit later in the year. This conference marks a significant milestone in IDF's ongoing efforts to promote regional engagement and drive sustainable development within the dairy sector.

IDF Membership

Since the last Annual Report IDF's National Committees have been working in a very dynamic way as usual. After the IDF World Dairy Summit in Chicago in October 2023, our members have hosted several events. Our Norwegian National Committee held the IDF Cheese Science and Technology Symposium in Bergen, Norway from 4-6th June. The IDF Analytical Week that was held from 24th to 27th June at the Victoria Falls, driven by the Zimbabwean National Committee Secretary. At almost the same time, the Indian National Committee organized the First IDF Regional Dairy Conference from 26th to 28th June 2024 in Kochi, India. This event was a resounding success setting the pathway, hopefully for many more regional events.

The National Committees' Secretaries held their mid-term meetings and Forum at Brussels. Chaired by the newly elected Board members for the National Committee Secretaries, Ms Sharon Mitchell, these meetings allowed the National Committee Secretaries to share their knowledge and experiences.

The Country updated highlighted the main topics of priority for them being sustainability, connecting experts to form a better network, collaboration with international organizations and finding new experts. The National Committee Secretaries' manual is a useful guide and can be developed with other guidelines using experiences of the NC secretaries.

The Members provided their input to the elaboration of the Paris Dairy Declaration on Sustainability.

Several new National Committee Secretaries have taken up the role in this last year and while we welcome them, they can count on the support of the IDF Head Office and other National Committee Secretaries.

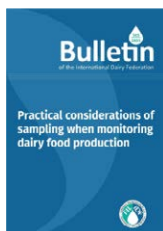
We recently launched a campaign aimed at recruiting new experts and members, and this initiative is still ongoing. A key component of this effort is the publication of a two-page expert recruitment document available in three languages: English, French, and Spanish. We invite you to contribute by translating this document into other languages, extending the campaign's reach. Additionally, we have crafted specialized campaigns focusing on specific areas of work, particularly in the fields of analytical sciences and food safety, to attract experts in these critical domains. Your support in broadening this outreach will be instrumental in building a diverse and engaged community of professionals.

8.

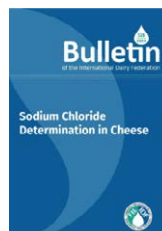
Publications



BULLETINS



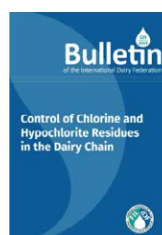
Bulletin of the IDF N° 525/2023:
Practical considerations of sampling when monitoring dairy food production



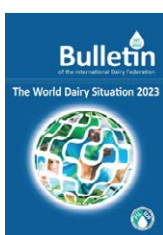
Bulletin of the IDF N° 528/2024:
Sodium Chloride Determination in Cheese



Bulletin of the IDF N° 526/2023:
Prevention of the development of chlorate in the dairy chain



Bulletin of the IDF N° 529/2024:
Control of Chlorine and Hypochlorite Residues in the Dairy Chain



Bulletin of the IDF N° 527/2023:
The World Dairy Situation Report 2023



Bulletin of the IDF N° 530/2024:
Multi-laboratory study and interlaboratory study on the enumeration of bifidobacteria in milk products



Bulletin of the IDF N° 531/2024:
The state of milk and milk products in school programmes around the world - Contributing to global child nutrition and development

FACTSHEETS



Factsheet of the IDF N° 29/2023:
Differentiation between the health implications of industrially produced and naturally occurring trans fatty acids



Factsheet of the IDF N° 31/2023:
School meal programmes the role of dairy: an essential contributor to nutrition security



Factsheet of the IDF N° 30/2023:
Standardized methods for the determination of alkaline phosphatase activity in dairy products: Comparison for effective use



Factsheet of the IDF N° 32/2023:
Summary of IDF Country Update – December 2023



FACTSHEETS



Factsheet of the IDF N° 33/2023:
Dairy matrix: The case of milk



Factsheet of the IDF N° 38/2024:
Management of calves from birth to weaning: Rearing of calves by dam-calf contact



Factsheet of the IDF N° 34/2023:
Dairy matrix: The case of cheese



Factsheet of the IDF N° 39/2024:
Management of calves from birth to weaning: Milk feeding of calves from newborn through weaning



Factsheet of the IDF N° 35/2023:
Dairy matrix: The case of yoghurt



Factsheet of the IDF N° 40/2024:
Developing Evidence-Based, Food-Based Dietary Guidelines: Critical Contributions of Dairy



Factsheet of the IDF N° 36/2023:
Expression of total bacteria count in raw milk



Factsheet of the IDF N° 41/2024:
Feed additives: A focus on reducing enteric methane emissions



Factsheet of the IDF N° 37/2024:
Benefits of processing in dairy

STANDARDS



ISO 11816-1 | IDF 155-1: 2024 - Determination of alkaline phosphatase activity
Part 1: Fluorimetric method for milk and milk-based drinks



ISO 22662 | IDF 198: 2024 - Milk and milk products
Determination of lactose content by high-performance liquid chromatography (reference method)



ISO 11816-2 | IDF 155-2: 2024 - Milk and milk products
Determination of alkaline phosphatase activity — Part 2: Fluorimetric method for cheese

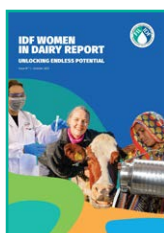


ISO 7102 | IDF 257: 2024 — Infant formula
Determination of β -galactooligosaccharides
Ultra high performance liquid chromatography (UHPLC) with fluorescence detection after pre-column derivatization



ISO 16756 | IDF 259:2024 'Milk and milk products
Guidance for the application of Carr-Purcell-Meiboom-Gill (CPMG) pulsed time-domain nuclear magnetic resonance (TD-NMR) spectroscopy for fat determination'

REPORTS



Issue 1: IDF Women in Dairy Report 2023
Unlocking Endless Potential



IDF Animal Health Report N° 17



IDF Animal Health Report N° 18

POSITION PAPERS



**IDF position paper on clarifying taxonomy of dairy starter culture
*Streptococcus thermophilus***



9.

Awards



1. IDF AWARD



The IDF Award is a prestigious prize granted to individuals that made a significant contribution to dairy at a global level.

This year's recipient is a renowned economist with a distinguished career spanning academia, government, and consulting. His expertise lies in agricultural economics, particularly within the dairy sector, where he has made significant contributions in pricing, supply, demand, marketing costs, market operations, and policy analysis. Currently holding the title of Emeritus E.V. Baker Professor of Agricultural Economics at Cornell University, he also serves as a Graduate School Professor and Senior Consultant/Adviser. His experience extends to senior roles in the U.S. Department of Agriculture, including as an Expert Consultant, Senior Economist, and Special Government Employee. The recipient of this year's IDF Award is Dr Andrew Novakovic (US)

2. IDF PRIZE OF EXCELLENCE

The IDF Prize of Excellence is given as a mark of recognition and appreciation for an outstanding piece of work carried out by an individual or group of individuals, who contribute as volunteers from among the grassroots of IDF, to the IDF Programme of Work in accordance with IDF's purpose and following the five key concepts constituting "SWIFT" as a driver for the further development of IDF. These concepts are: Speed, Worldwide visibility, Impact, Focus, Transparency. This year the recipients are:



Dr. Stephan Peters (NL)



Dr Meenesh Shah (IN)

3. LEADER RECOGNITION

The Standing Committee Leader Recognition highlights exemplary achievements among the committees' leadership and rewards exceptionally good handling of the SC/TF processes: keeping the SC/TF focused and productive, providing constructive and high-quality contributions, working well together with IDF staff. As the latter criterion is only observable to the IDF staff, they review the nominations made by SC/TF members and IDF staff and decides on awarding the Recognition.

This year the SC Leader Recognition is awarded to Maretha Vermaak (ZA) in recognition of an outstanding contribution as Nutrition representative on the Science and Programme Coordination Committee.

4. DAIRY INNOVATION AWARDS

In its second edition, the IDF Dairy Innovation Awards 2023 received an impressive 173 entries from 26 countries. This marks a remarkable 20% increase compared to the number of entries received

in last year's edition. The significant rise in submissions highlights the growing enthusiasm and participation of the dairy industry worldwide. With such a diverse and extensive pool of entries, the anticipation for the winners' announcement at the IDF World Dairy Summit is undoubtedly at an all-time high.



THE WINNERS

Innovation in Sustainable Farming Practices – Environment

Bioret Agri– Aqualim Thermodynamic
Dairy Australia– Environmental Tracker

Innovation in Sustainable Farming Practices – Animal Care

FaunaTech– FaunaTech

Innovation in Sustainable Farming Practices – Socio-Economic

Danone – Transforming the Food System by Empowering Algerian Smallholder Farmers

Innovation in Sustainable Processing

Hochschule Hanover– Development of a RO-NF-UF membrane cascade to concentrate skim milk to a dry matter of > 48%

Innovation in Marketing & Communication Initiative Building Dairy Category

Dairy Farmers of Canada– We're In

Innovation in New Product Development With Focus on Food Safety and Consumer Nutrition

Unison Process Solutions– Heist System
Yili Group Ltd– Ambient Cheese Lollipop

Innovation in Sustainable Packaging

Yili Group Ltd– Declaring Your Love to the Earth with Actions – SATINE Environmentally Sustainable Packaging with No Ink or Printing

Innovation in Women Empowerment in the Dairy Sector

Shreeja Milk– Shreeja Milk

Innovation in Climate Action

Lactanet and Semex, Canada

5. IDF PROFESSOR PAVEL JELEN EARLY CAREER SCIENTIST PRIZE 2024

On 22 July 2024, IDF announced the winners of the “IDF Professor Pavel Jelen Early Career Scientist Prize 2024.” This prestigious award recognizes the exceptional work of scientists and technologists in the dairy science and technology field, specifically targeting “early-career” individuals, including graduate and postgraduate students who have graduated within three years of their highest degree.

Named in honor of Professor Pavel (Paul) Jelen, an esteemed Czech-born Canadian scientist and educator who dedicated his career to dairy science and technology research, as well as mentoring and educating young scientists and technologists, the Prize exemplifies the importance of open communication in the field.

The high-quality applications received underwent a rigorous evaluation process by a distinguished panel of judges comprising experts from various disciplines related to dairy science and technology. The judges were drawn from several standing committees of IDF.

The winners of the “IDF Professor Pavel Jelen Early Career Scientist Prize” for 2024:

First Prize: Maria Frizzarin (Teagasc Animal and Grassland Research Centre, Ireland) for her work on the use of mid-infrared spectroscopy to quantify the cow environmental footprint.

Second Prize: Natalie Ahlborn (Sustainable Nutrition Initiative – Riddet Institute, New Zealand) for her work on processing treatments of milk and their effects on digestion and nutrient absorption.

Equal Third Prize: Riccardo Cocuzzi (Agroscope and the University of Fribourg, Switzerland) for his work on lactate metabolism in *Propionibacterium freudenreichii*, an important microorganism in the manufacture of Swiss-type cheeses.

Equal Third Prize: Mark Timlin (University College Dublin and Teagasc Food Research Centre, Ireland) for his work on the impacts of a ‘typical’ Irish pasture-based system on the composition and quality of milk and dairy products.

Maria Frizzarin received a plaque recognizing the achievement, complimentary registration to the IDF World Dairy Summit 2024, a honorarium of €400, and travel expenses up to €1,800 to support her attendance at the IDF WDS 2024.

Natalie Ahlborn received a printed certificate recognizing the achievement and an honorarium of €200.

Riccardo Cocuzzi and Mark Timlin received a printed certificate recognizing the achievement and an honorarium of €100.

Technical Webinar Series

Webinars are one of the multiple tools that IDF uses to deliver its Programme of Work and strengthen IDF's recognition as the international hub for global dairy expertise. IDF has a strategic planning for IDF webinars maximizing the relevance for IDF membership and their engagement. The report is performed annually from January to December. The key outputs of the Technical Webinar Series 2023 are:

- ▶ 19 webinars were held, this is 4 more than in 2022.
- ▶ In comparison with the year 2022, the total number of registrants and participants in 2023 increased 54% and 58%, respectively.
- ▶ The topics of the webinar series were overall of interest to the IDF member countries, including those with less diverse dairy systems.
- ▶ The topics of the webinars 2023 covered all the IDF Strategic Goals.

A total of 19 webinars were held between October 2023 and October 2024

6 NOVEMBER 2023

Practical considerations of sampling when monitoring dairy food production

8 NOVEMBER 2023

Implementing Codex Standards: Case study on the GSUDT

14 NOVEMBER 2023

Determination of alkaline phosphatase activity: use, standard methods and challenges

16 NOVEMBER 2023

Data usage, quality and governance

30 JANUARY 2024

Exploring dairy innovation centres: Case of the National Center of Technology Innovation for Dairy and Yili Innovation Center

8 MARCH 2024

Women in dairy: Inspire Inclusion

13 MARCH 2024

Advanced sensors - Application in animal health and welfare

11 APRIL 2024

Exploring dairy innovation centres: Case of Wageningen University & Research

17 APRIL 2024

Farmers Roundtable

30 APRIL 2024

Deep dive in the GSUDT

2 MAY 2024

Input Price Volatility Tools

27 MAY 2024

World dairy situation with focus on France

4 JUNE 2024

IDF celebrates World Food Safety Day 2024

17 JUNE 2024

Updated Food-Based Dietary Guidelines for Germany

21 JUNE 2024

Added-sugar reduction technologies for dairy products

26 JUNE 2024

Highly pathogenic avian influenza (HPAI) in dairy cattle - update on current status

21 AUGUST 2024

Farmers roundtable

4 SEPTEMBER 2024

Reducing Carbon Footprints: Industry initiatives and governmental policies and actions

25 SEPTEMBER

Launch of the State of Milk and Milk Products in School Programmes around the World: Contributing to Child Nutrition and Development



10. Upcoming Events



IDF Circularity in the Dairy Chain Symposium 2024, December 3 – 4, 2024:



This year's proposal is based on the topic of circularity in the dairy chain. This event aims to bring together key stakeholders from the dairy sector to explore and promote sustainable practices that contribute to a circular economy, offering a platform to share knowledge, drive collaboration, and foster actionable outcomes that can shape the future of the industry. Read more [here](#)

IDF/ISO Analytical Week 2025, in conjunction with ICAR, 31 March – 4 April, Anand, India:



The next IDF/ISO Analytical Week 2025 will be held in conjunction with the ICAR congress (International Committee for Animal Recording) hosted by the National Dairy Development Board, in Anand, India. The week is the annual meeting of the dairy experts that develop the joint programme of IDF/ISO for standards for milk and milk products. It is a key meeting to network, discuss the needs and challenges for the sector, as well as exchange with the testing manufacturers on the latest developments. More details are available on the website: <https://icaridfiso2025.com/>

IDF Joint Symposium on Dried Dairy and Recombined Milk Products:

Technology, Sustainability and Product Quality, Cork, Ireland, May 2025: The objective of the event is to provide a platform to present the latest findings in relation to dairy drying technologies. Both conventional and novel drying technologies are of interest. Presenters will demonstrate innovative approaches which can significantly influence manufacturing efficiency, energy usage as well as powder properties and subsequent applications. Find more information about the symposium [here](#).

IDF world Dairy Summit 2025, Chile:



With the theme of “Nourishing a sustainable world”, the Summit will feature a comprehensive program addressing key innovations in the dairy industry, from sustainable practices, technological advancements and artificial intelligence to market trends and nutritional science. Know more about the IDF WDS 2025 [here](#).

11.

IDF Board of Directors



Piercristiano Brazzale

IDF President and Chair of the Board of Directors

President of the IDF since 2 November 2020, and previously Chair of the IDF Science and Programme Coordination Committee (SPCC), Piercristiano Brazzale has been involved with IDF at all levels since 2012 and is a well-known figure in the IDF community. Mr Brazzale will be focusing on several key areas during his term; promoting and highlighting the value of the work undertaken by IDF, ensuring dairy continues to be recognised as making a significant role in sustainable food systems; and ensuring IDF and the dairy sector is prepared for the future. Alongside his presidency of IDF, Mr Brazzale is currently CEO of Brazzale S.p.A., Italy's oldest dairy company, in uninterrupted activity for at least eight generations, producing cheese.



Jamie Jonker Ph.D

Chair of the Science and Programme Coordination Committee

Elected as Chair of the SPCC in 2020, and former Chair of the: IDF Standing Committee on Farm Management and Expert Group on Animal Feeding, Dr Jamie Jonker is also a member of the IDF Standing Committees on Animal Health and Welfare, Residues and Chemical Contaminants, Environment and Task Force on Antimicrobial Resistance. Currently Vice President, Sustainability and Scientific Affairs, of the National Milk Producers Federation (NMPF), Dr Jonker has general responsibilities in sustainability and scientific affairs, including animal health and welfare, animal biotechnology, dairy farm bio-security, dairy farm air and water quality, dairy farm sustainability, and technical service issues.



Sharon Mitchell

Chair of the National Secretaries Committee

Sharon Mitchell was elected as Chair of the IDF National Committees in October 2023, and is their representative on the IDF Board. Appointed National Secretary of the IDF National Committee of New Zealand in 2015, Mrs Mitchell has been involved in the work of IDF since 2003. Sharon is employed by Fonterra and is currently Programme Leader Global Sector Programmes.

11. IDF Board of Directors



Laurent Damiens

IDF Board Member

Laurent Damiens has been involved in IDF since 2008, as an expert in the Standing Committee on Marketing (SCM). Since then, he has been an active member, acted as chair and deputy chair of this Standing Committee and has been leading the IDF Task Force on Plant Based products. The addition of the “Global marketing trends” chapter in the IDF World Dairy Situation report is the concretization of a work he initiated. Being an expert in his field, he attended several IDF World Dairy Summit as speaker at the Marketing conferences.



Marit Haugen

IDF Board Member

Marit Haugen joined the board in 2023. She boasts a diverse career in agriculture and organizational management. She is a small-scale milk producer, running a dairy farm with her husband. With organizational experience from her work at the Norwegian Farmers’ Union, Marit’s expertise extends to municipal management, communication advising, and involvement in agricultural policy at the Ministry of Food and Agriculture. A graduate of the Norwegian University of Life Sciences, she holds a master’s degree in economics. Currently, Marit serves as the Chairman of the Board at TINE SA, a cooperative owned by 8,000 Norwegian milk producers.



Gilles Froment

IDF Board Member

Gilles joined the IDF Board in 2020 as a representative elected by the General Assembly. He is Vice-President Government and Industry Relations for Lactalis Canada. Former chair of the Standing Committee for Dairy Policies and Economics for 6 years.

11. IDF Board of Directors



Tjitske Regina Bolt

IDF Board Member

Tjitske is a hands-on, purpose-driven professional with nearly 25 years of international work experience in public and private sector. Her analytical, empathetic and diplomatic skills enable her to get to the heart of matters quickly and to easily connect to others with the aim of finding lasting solutions to intricate problems. Tjitske is an energetic, open and honest, optimistic and resilient person. Tjitske was born and raised in Friesland, the Netherlands' province well known for its dairy farming. She lives near The Hague with her husband and two children.



Dr Meenesh Shah

IDF Board Member

Dr Meenesh Shah joined the board in 2023. He is the Chairman & Managing Director of National Dairy Development Board of India. He has an illustrious and multifaceted career of more than 38 years in Dairy sector championing the cause of small and marginal dairy farmers and women empowerment. He has been a great proponent of innovations and has been instrumental in conceptualising, planning and implementation of several scientific interventions in the dairy and allied sectors for bringing about efficiencies, effectiveness and sustainability across the value chain.



M Dr Zhanyou YUN

IDF Board Member

Zhanyou joined the IDF Board in 2023 as a processing sector representative. He is the Vice President of Yili, a member of Standing Committee on Dairy Science and Technology (SCDST), and a distinguished expert of the Chinese National Committee of IDF (CNCIDF). He is active in international dairy forums.

12.

Science and Programme Coordination Committee



NAME AND COUNTRY

SPCC POSITION

Jamie Jonker (US)

SPCC Chair

Henk Hogeveen (NL)

Animal Health

Shawna Morris (US)

Economics and Policies

Pierre Barrucand (FR)

Environment

Lynda McDonald (SE)

Farm Management

Allen Saylor (US)

Food Standards

Aditya Jain (IN)

Hygiene and safety

Richard Walton (JP)

Marketing

Philippe Trossat (FR)

Methods of Analysis and Sampling

Isabelle Neiderer (CA)

Nutrition

David Everett (NZ)

Technology

David Cotton (UK)

Dairy sector - farming

Virginie Rivas (FR)

Dairy Sector - processing

Ashish Kumar Singh (IN)

Academia

13.

IDF Head Office



Ms. Laurence Rycken
Director General



Dr. María Sánchez Mainar
Science & Standards
Programme Manager



Mr. Sebastian Dates
Communications Manager



Ms. Aurélie Dubois-Lozier
Science & Standards
Programme Manager



Ms. Raquel Sousa
Membership Officer



Ms. Apolina Fos
Office and Membership
Manager



Dr. Anabel Mulet Cabero

Science & Standards
Programme Manager

Dr Anabel Mulet Cabero, formerly IDF Science Officer, became the new Science and Standard Programme Manager as 1st of April. She now oversees the nutrition and food regulation areas withing the IDF Programme of Work



Ms. Kadja Cissé

Science Officer

Kadja Cissé started on Monday 16 September as Science Officer. She will be supporting Aurélie Dubois mainly in the analytical area, serving the Standing Committees on: Analytical Methods for Additives and Contaminants (SCAMAC), Composition (SCAMC), Methods for Dairy Microbiology (SCMDM) and Laboratory Statistics and Quality Assurance (SCLSQA). She has a bioengineer degree in agricultural sciences and a bachelor's degree in agricultural technics and management. With origins in Senegal and dairy running in her roots, she is more than excited to be part of the dairy family, and she is looking forward to collaborating with the IDF community.



Dr. Daniel Núñez Díaz

Science Officer

Daniel Núñez Díaz started on Monday 16 September as Science Officer. He will be supporting the IDF work on the environmental methodologies and policies, as well as on the sustainability area. He has background in Food Biotechnology, as well as a PhD in Chemical, Environmental and Biofood Engineering, focused on wastewater treatment and valorization. Originally from Spain, he also has a personal connection to the dairy sector and is thrilled to become part of the IDF family. He looks forward to collaborating with the IDF community and contributing to its goals.

14.

National Committees



| NAME | COUNTRY/REGION |
|----------------------------|----------------|
| Arturo Jorge Videla | Argentina |
| Charles McElhone | Australia |
| Maura Geypens | Belgium |
| Guillaume Tessier | Brazil |
| Pierre Doyle | Canada |
| Walter Bisig | Switzerland |
| Octavio Oltra | Chile |
| Yujun Jiang | China |
| Georgios Papaioannou | Cyprus |
| Jiri Kopacek | Czech Republic |
| Leonie Marie Langeneck | Germany |
| Sanne Bastholm | Denmark |
| Anna-Kaisa Auvinen | Finland |
| Jennifer Huet | France |
| Mark Fenelon | Ireland |
| Adriana Shohet | Israel |
| Meenesh Shah | India |
| Bjarni Ragnar Brynjolfsson | Iceland |
| Massimo Forino | Italy |
| Totsuka Shinichi | Japan |



| NAME | COUNTRY/REGION |
|---------------------------------|----------------|
| Kiptoo Bett Enock | Kenya |
| Sang Eun Oh | South Korea |
| Henrik Kjaerbye | Kuwait |
| Laima Urbsiene | Lithuania |
| Jeanne Bormann | Luxembourg |
| Erna Galvanovska | Latvia |
| Damiran Otgonjargal | Mongolia |
| Andrés Alberto Guerrero Herrera | Mexico |
| Jurgen Jansen | Netherlands |
| Helle Huseby | Norway |
| Sharon Mitchell | New Zealand |
| Piotr Kolakowski | Poland |
| Artyom Sergeevich Belov | Russia |
| Florence Musiime Umrungi | Rwanda |
| Hasitha Priyashantha | Sweden |
| Ian Wakeling | United Kingdom |
| Debra Boyke | United States |
| Edu Roux | South Africa |
| Paidamoyo Patience Chadoka | Zimbabwe |

14.

Financial Statement



After appropriation of the 2023 result, the balance total is € 2.200.744. The equity amounts to € 1.856.836; this is € 27.358 less than at end 2022 due to the statutory loss in 2023. This statutory loss is influenced by a temporary profit on the portfolio of € 35.265 and expenses related to the promotion fund for which the allocated reserve has been reversed to an amount of € 43.065.

| IDF BALANCE SHEET | 31/12/2023 | 31/12/2022 |
|--------------------------|------------------|------------------|
| Fixed assets | 11.916 | 9.725 |
| Receivables <1 yr | 9.607 | 73.684 |
| Investments | 1.604.729 | 1.374.518 |
| Cash | 555.884 | 746.252 |
| Deferred charges | 18.608 | 25.288 |
| TOTAL ASSETS | 2.200.744 | 2.229.466 |
| Equity | 1.856.836 | 1.884.194 |
| Payable <1 yr | 334.048 | 343.072 |
| Deferred income | 9.860 | 2.200 |
| TOTAL LIABILITIES | 2.200.744 | 2.229.466 |

| IDF INCOME STATEMENT | 31/12/2023 | 31/12/2022 |
|-------------------------------|------------|------------|
| Gross operating margin | 787.484 | 927.981 |
| Remuneration, social security | 816.680 | 785.073 |
| Depreciations | 6.070 | 4.469 |
| Other operating charges | 28.421 | 24.708 |
| Financial result | -36.329 | 112.225 |
| Result of the period | -27.358 | 1.505 |

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 dairy.



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