International Dairy Federation

Update from IDF Science and Programme Coordination Committee

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Chair of the SPCC
Analytica

Roma

21 March 2019

What is the IDF?

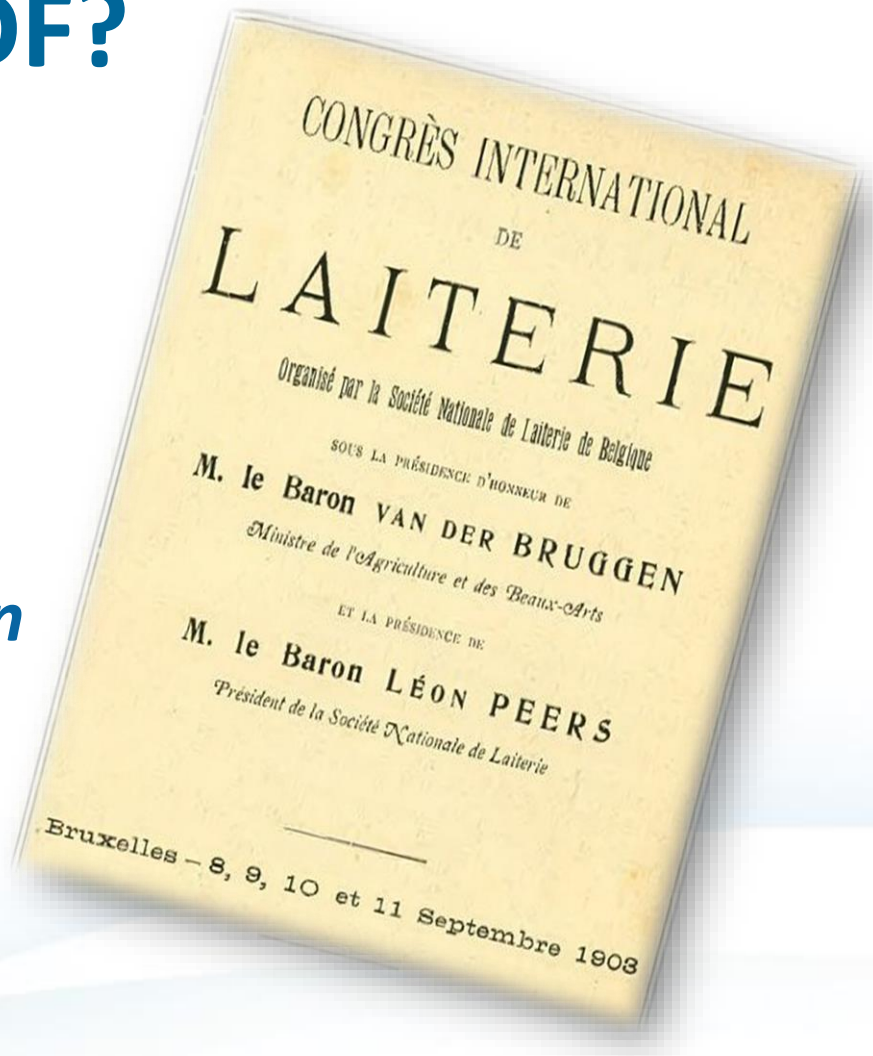
Established in 1903

More than 40 member countries

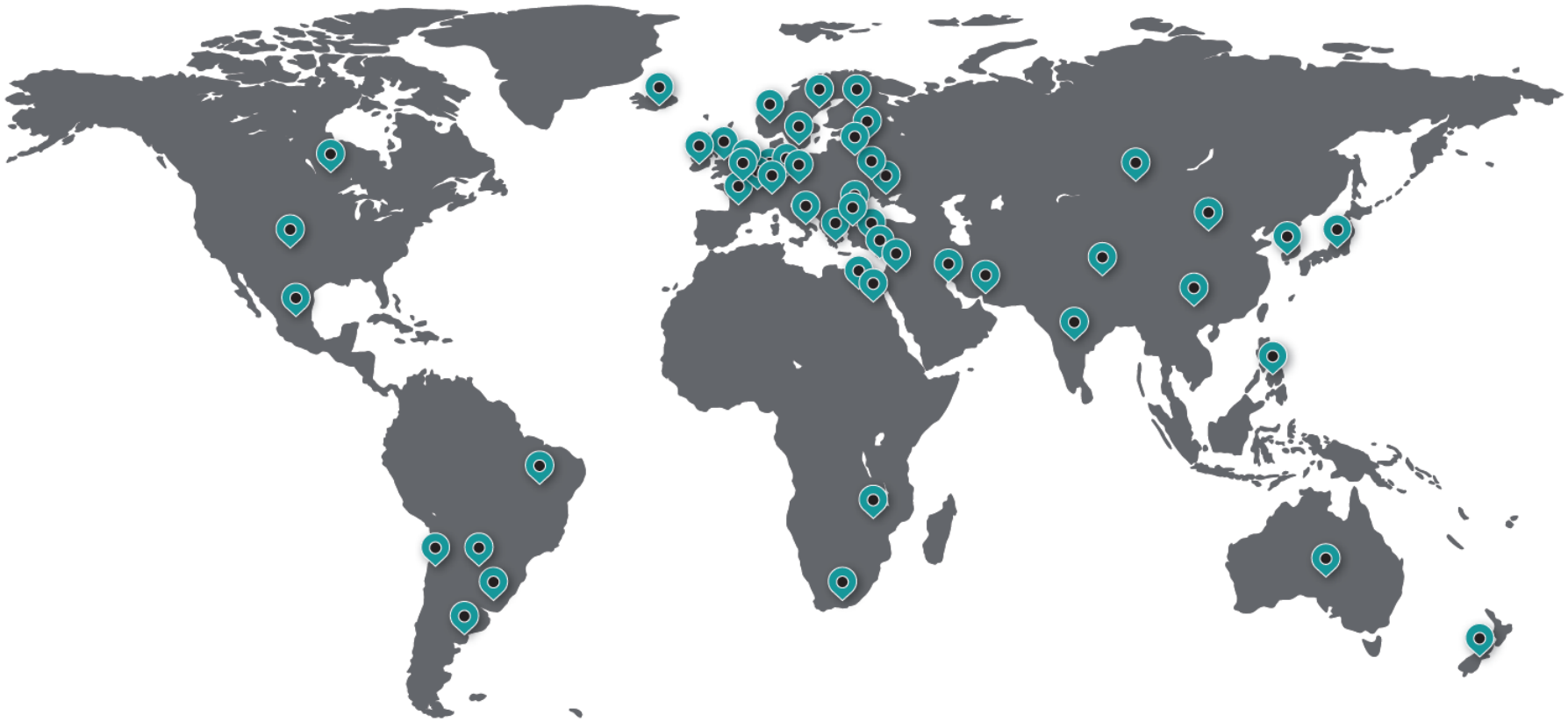
75% of world milk production

1,200 experts working in 17 Standing Committees and 3 Task Forces

Accredited to the FAO, Codex, OIE, UNEP


CONGRÈS INTERNATIONAL
DE
LAITERIE
Organisé par la Société Nationale de Laiterie de Belgique
SOUS LA PRÉSIDENCE D'HONNEUR DE
M. le Baron VAN DER BRUGGEN
Ministre de l'Agriculture et des Beaux-Arts
ET LA PRÉSIDENCE DE
M. le Baron LÉON PEERS
Président de la Société Nationale de Laiterie
Bruxelles — 8, 9, 10 et 11 Septembre 1908

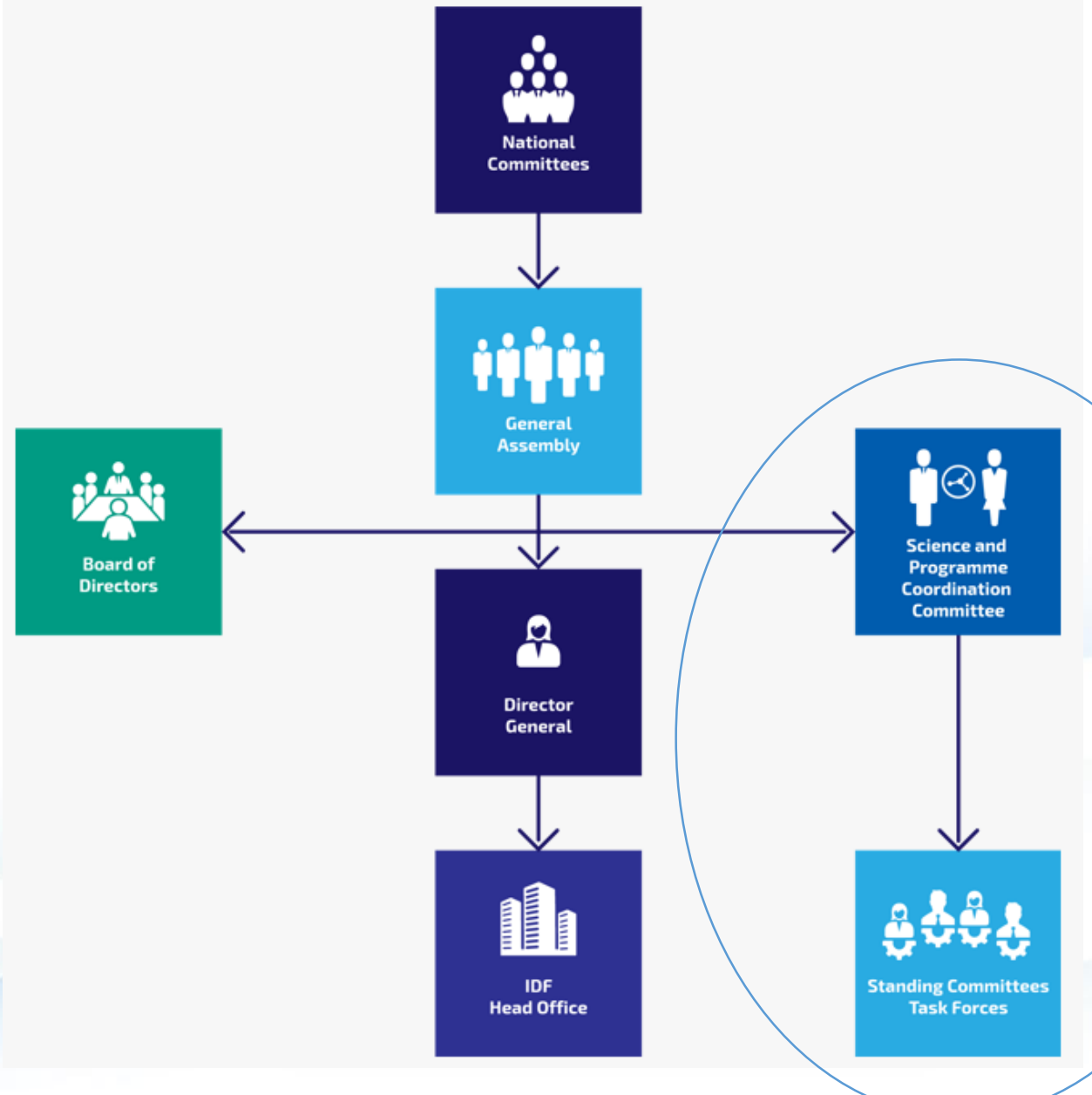
IDF comprises more than 40 member countries



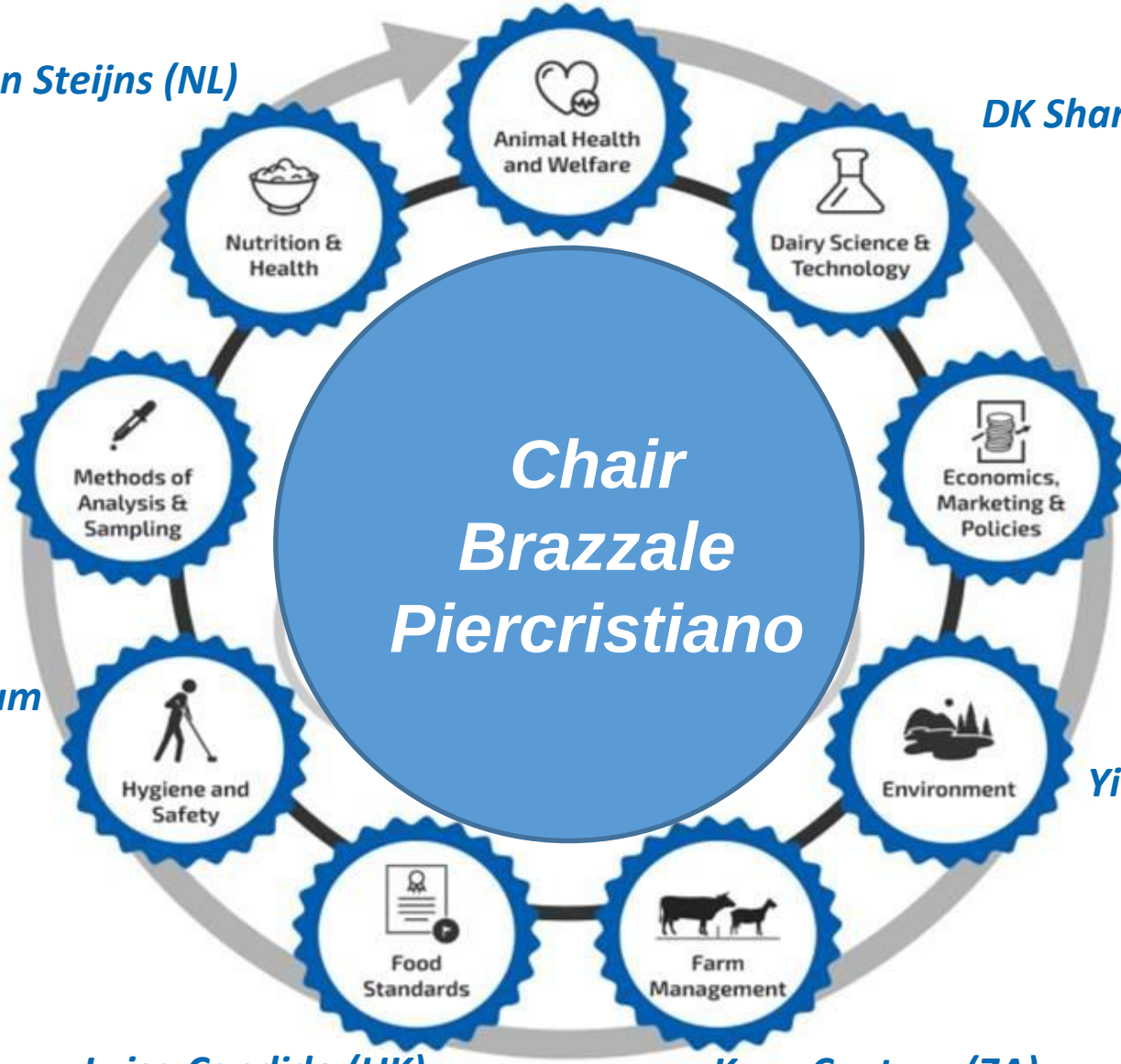
IDF represents the entire dairy sector

- Milk processors
- National dairy organizations
- Academia/non-profit research institutes
- Farmer co-operatives
- Farmers
- Government (ministry of agriculture)
- Suppliers
- Unions (milk processor employees)

IDF's Organizational Structure



IDF SPCC AND AREAS OF WORK



Jamie Jonker (US)

Jan Steijns (NL)

DK Sharma (IN)

Chair: Piercristiano Brazzale (IT)

Academia: Andrew Novakovic (US)

Steve Holroyd (NZ)

Laurent Damiens (FR)

Claus Heggum (DK)

Ying Wang (US)

Dairy Processors: Erik Konings (CH)

Dairy Farmers: Andrew Hoggard (NZ)

Luisa Candido (UK)

Koos Coetzee (ZA)

3 Years Strategic Plan (2019 – 2021)

supporting IDF priorities

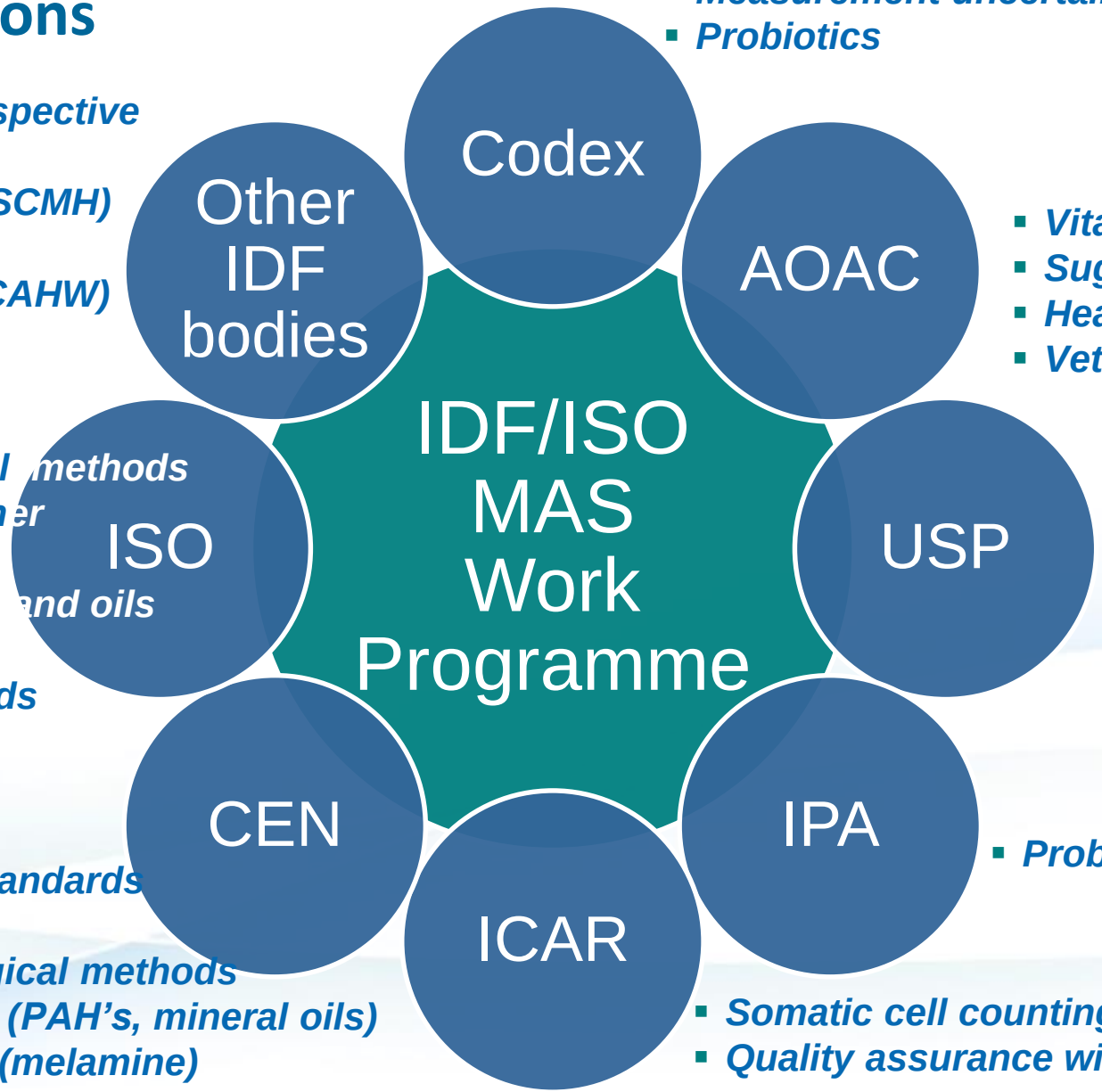
Sustainability - Nutrition and Health - Safety/Quality

supported by Standards

Yearly Operational Plan

including the priority items to showcase

IDF/ISO programme and interactions with other organisations



- *CODEX STAN-234: recommended IDF/ISO standards*
- *Protein quantity and quality*
- *Sampling plans*
- *Measurement uncertainty*
- *Probiotics*

- *TF Protein from a dairy perspective*
- *Nutrition & health (SCNH)*
- *Hygiene & safety (SCRCC, SCMH)*
- *Food standards (SCSIL)*
- *Animal health & welfare (SCAHW)*

- *Vitamins, micronutrients*
- *Sugars, including low lactose*
- *Heavy metals*
- *Veterinary drugs*

- *ISO/TC 34 Food products*
  - *Horizontal microbiological methods*
  - *Vitamins, carotenoids, other nutrients*
  - *Animal and vegetable fats and oils*
  - *Sensory analysis*
- *ISO/TC 69 Statistical methods*
- *ISO/TC 276 Biotechnology*

- *Protein/amino acid related projec*
- *Communication on cooperation*
- *Food fraud/Authenticity*

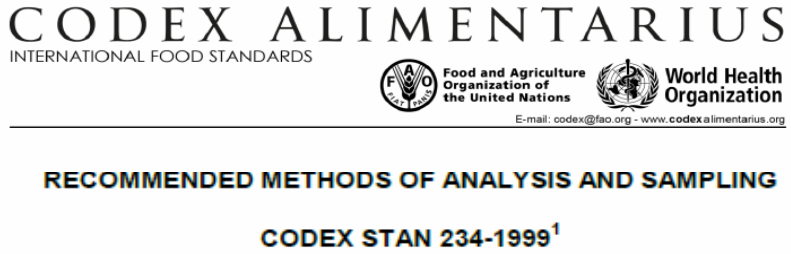
- *CEN/TC 302*
  - *Adoption of ISO/IDF standards*
- *CEN/TC 275*
  - *Horizontal microbiological methods*
  - *Process contaminants (PAH's, mineral oils)*
- *Food fraud/Authenticity (melamine)*

- *Probiotics*

- *Somatic cell counting reference system*
- *Quality assurance with new IR applications*

ISO-IDF Collaboration: Joint standards for methods of analysis and sampling

- *Develop and systematically review International Standards for methods of analysis and sampling of milk and milk products with the aim of publishing them jointly through ISO*
- *Formalized cooperation since 1963, joint publication since 2001*
  - *About 180 joint standards published, see www.iso.org or www.fil-idf.org*
  - *About 20 Standards/Technical Specifications in development or under revision*
  - *About 25 Work Items under consideration*
  - *Over 60 Standards referenced in Codex STAN-234*



Relevant News from Codex Meetings

CCMAS May 2019:

- *Consideration of proposals from CCNFSDU on IDF/ISO/AOAC methods for nutrients*
- *Review and Update of Dairy Methods in CODEX STAN 234-1999*
- *Guidelines on Measurement Uncertainty (CAC/GL 54-2004)*
- *General Guidelines on sampling (CAC/GL 50-2004)*

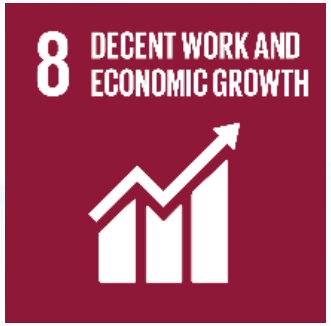
For more information and documents see www.codexalimentarius.org

9 Strategic goals for 2019-2021 aligned with UN SDGs

Work with Codex, both pro-actively and participating in consultations

Engage with standard setting bodies

Rank and prioritize chemical, physical and biological hazards and indicators (including hygienic practices in production and processing) and provide guidance on their control



9 Strategic goals for 2019-2021 aligned with UN SDGs

Promote best practices of animal health and welfare management, including prudent and effective use of animal treatments (monitor and contribute to OIE work)

Participate in the efforts to prevent food adulteration and preserve food integrity

Dairy's contribution, with its nutrient density and dairy matrix, to improving health of all age groups

9 Strategic goals for 2019-2021 aligned with UN SDGs

Socio-economic Sustainability: *Provide the dairy sector with value-added information, data and analyses to support socially sustainable dairy economies*

Environmental sustainability: *Develop and promote common methodologies/innovative practices*

Dairy as integral part of sustainable food systems dialogue: *Engage in, explain and promote the interface between nutrition and sustainability*

8 IDF Priority items 2019 - Overview

- Dairy Declaration
- CCMAS review of IDF/ISO standards
- Front-of-pack/ Nutrient profiling
- Codex food additives alignment
- Sweet & flavored dairy/school milk
- Plant-based beverages
- Dairy protein
- Emerging risks of chemical contaminants

D CCMAS input on IDF/ISO standards

IDF input to CCMAS work on review of dairy methods in STAN 234

Aim: Review of methods recommended by Codex for milk products, to check fitness for purpose and ensure status of internationally recognized methods with reliable results. Methods for other products to be reviewed as well, dairy methods are first due to strong involvement and recognized expertise of IDF

Current status: Preliminary review done by IDF, jointly with ISO, as well as other members of the Codex group, including government representatives and other international organisations. Response coordinated with AOAC.

Next steps: official report expected including commenst and recommendations for CCMAS. IDF Action Team to review recommendations and ensure appropriate response.

CODEX ALIMENTARIUS
INTERNATIONAL FOOD STANDARDS

Strategy on protein from a dairy perspective

E
Dairy protein

Aim: set a strategy for the dairy sector with regards to proteins

Current status: white paper finished and circulated amongst members
Active response to WHO/FAO JEMNU (Joint Expert Meetings on Nutrition) work on setting Nitrogen Conversion Factor (NCF) for soy- and milk-based ingredients for Infant Formula.

Next steps: Task Force has responded to the call for data and is currently approaching experts in the field to participate in the JEMNU expert meeting to be held in July. Further discussion will be held to prepare IDF position to CCNFSDU.

Knowledge platform on chemical contaminants and guidance on proactive management of emerging risks from farm through processing

J Emerging risks of chemical contaminants

Aim: Fill in gap for IDF to have a **central repository** on chemical contaminants

And provide **Guidance on proactive management of emerging risks** linked to contamination along the value chain

Priority for 2019 will be on Providing practical advice and high level information on management of **non-intentionally added residues** for non-specialists:

- residues from detergents/disinfection agents,
- residues from process contact materials or non-intentionally added residues

Current Status**:** Under review and voting by National Committees as NWI.

IDF New Work Items Proposals 2019 relevant to analytical activities (IDF priorities 2019)

NWI 19/01 - MSSG CCMAS review of STAN 234 dairy methods
NWI 19/02 - FAQs on inhibitory substances and antibiotic residues in the dairy food chain
NWI 19/03 - A guidance to harmonise and simplify the use certificate of analysis for standards of veterinary drugs
NWI 19/04 - IDF Bulletin on salt determination in cheese
NWI 19/05 - Determination of amino acids in infant formula and other dairy products
NWI 19/06 - Free Fatty Acid Determination in Dairy Products
NWI 19/07 - Determination of individual proteins in milk
NWI 19/08 - Interpretation of somatic cell count (SCC) from goat milk
NWI 19/09 - Revision of Bulletin of the IDF No. 462/2013 - Identification of probiotics at strain level - Guidance document
NWI 19/10 - Specific quantification and viability assessment of multiple microbial species using Flow Cytometry
NWI 19/12 - Knowledge Platform on Chemical Contaminants and Guidance on Proactive Management of Emerging Risks from Farm through Processing
NWI 19/14 - Revision of ISO 7889|IDF 117:2003 - Yoghurt - Enumeration of characteristic microorganisms - Colony-count technique at 37° C

Thank You !