US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Shawna Morris	**Date:**	11/12/20		
IDF Meeting:	SC Dairy Policies & Economics	**Meeting Date:**	11/12/20		
Key Participants:	S. Morris, A. Novakovic, C. Allen, M. Hoekema, W. Loux, J. Castaneda, J. Kelly				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. **IFCN** reported briefly on ongoing work on a new Dairy Economic Impact report it is conducting with GDP funding. An overview report will be the first step, followed by a few country-specific ones including a US one. No significant details were provided, however. Link to IFCN slides: **IFCN Report for IDF SCDPE**.				
	2. Discussion on **World Dairy Situation Report** and future steps to make it more user-friendly and more widely purchased. There were 130 paid participants at the WDS report launch this year. When the Summit resumes the cost of the report will be included with registration. Some steps discussed: 1) pursuing feasibility of machine-readability of the data; 2) increased coverage of key non-IDF dairy countries (e.g. Latin America); 3) visibility promotion via IDF tools and by pursuing OECD & FAO foreword or logo inclusion; 4) marketing improvements to target potential new users of the report (e.g. schools/univ's).				
	3. Several **technical webinars** have been held by the SCDPE. Next one is on Evolution of Market Signals on Nov. 18th. This will continue in 2021 as well.				
	4. A **NWI** pursuing a **study on the essentiality of dairy purchasing** vs. other foods as illustrated throughout the 2020 Covid period. TBD whether sufficient data is available on this; IDF to survey SCDPE & SCM to evaluate that.				
	5. **New Chair** elected: Kirsten Holm Svendsen (Denmark); **Deputy Chair** elected: Monika Wohlfahrt (Germany)				
Define Program Area or Committee Tie-In: Most relevant work item would be the potential NWI to help illustrate dairy's key role as a consumer staple in demand.					

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared

Timeline/Deadline			
Budget Commitment			

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Shawna Morris	**Date:**	11/20/20		
IDF Meeting:	SC Dairy Policies & Economics	**Meeting Date:**	11/9/20		
Key Participants:	S. Morris, A. Novakovic, W. Loux, M. Hoekema *(apologies if additional members are missing)*				
	1. The Joint Country Report was presented and elicited ample discussion on the various issues. The SCDPE section of the report was prepared and delivered by W. Loux this time; the intention is to rotate the report duties in the future, at least yearly. Link to the presentation: **Joint Full Deck**.				
	2. A report was provided on the nutrition guidelines AT work. A framework has been developed to look at impacts of changes to nutrition guidelines. At present the focus is socioeconomic impacts & nutrition impacts (environmental was a goal to include but was deemed not possible at this stage to develop). The objective is to make clear the negative impacts that would result from cutting back dairy consumption via nutrition guidelines lowering their recommended levels so that these points can be used by NCs in particular to help advocate against such steps. Goal is now for a few IDF members to attempt to use the framework to fill it out for their country. USIDF volunteered to try to see if we could complete it for the US given the large focus US dairy has had on the recent dietary guidelines process. As of 11/20, waiting on the document to do so from the AT leads.  AT Dietary guidelines update per Nov 2020				
	3. Dairy Declaration of Rotterdam report – intent is to combine quantitative & qualitative items in describing dairy's sustainability story. Key parts of this are the Dairy Sustainability Outlook & Animal Health Report that tell examples of what IDF NCs are doing in that space, as well as the website that likewise pulls through these stories and the Annual Report that provided SDG by SDG examples of dairy's commitment to sustainability from around the world. Re: quantitative – work is underway in the SCNH & SCENV to develop an indicator that would bring in the nutrition aspect to the debate as this is an area not already captured by DSF and one that's key to the sustainable nutrition discussion.				

	4. A NWI was proposed by France to examine the Covid pandemic and dairy's essential nature/role. While there was interest and support for this topic, discussion suggested that most countries would not be well placed to supply the necessary data; further discussion shifted to the SCDPE meeting and ultimately resulted in a decision to form an AT to attempt to gauge viability of such a survey.

Define Program Area or Committee Tie-In: Most relevant work item would be the potential NWI to help illustrate dairy's key role as a consumer staple in demand.

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

US-IDF Keep in Touch (KIT) Sheet

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Name:	Nick Gardner	**Date:**	11/23/2020		
IDF Meeting:	SC Standards/Labeling	**Meeting Date:**	11/4/2020		
Key Participants:	Chair - Melissa Cameron (AU), Deputy Chair – Nick Gardner (US), Mélanie Grivier (FR), John Allan (US), Michael Hickey (IR), Pamela Harrod (CA), Camille Carvalho (FR), Victoria Landells (AU), Claus Heggum (DK), Adity Jain (IN), Chris Thompson (US), Michelle Matto (US), Jorge Rieke (DE), Naoto Hieda (JP), Luisa Candido (UK), Stephan Peters (NL), Kaitlyn Lee (KR), Matt Morrison (CA), Oliver Charbonneau (CA), Allen Sayler (US), Jacco Gerritsen (NL), Gro Rimstad (NO), Christain Bruun (DK), Dianne Schumacher (NZ), Marjon Wolters (NL), Osamu Suganuma (JP), Louise Myhre Utzen (DK), Jørgen Hald Christensen (DK), John Allen (US), Sanne Bastholm (DK), Yoshinori (JP), Jörg Rieke (DE), Melanie Grivier (FR), Emmanuel Treuil (FR), Camille Carvalho (FR), Wendy Wunderink (NL)Jenny Campbell (NZ), Michel Donat (CH), Pamela Harrod (CA), Mari Austvoll (NO), Patrick Riche (DE), Lien Callewaert (BE), Sinikka Saikkonen (FI), Miquela Hanselman (US), Andrea O'Brien (IE), Andrzej Babuchowski (PL), Christian Busse (DE), Isabelle Jobard (FR)				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	• TF on Ultra Processed Foods (UPF)—The TF met prior to SCSIL and is looking to finalize the science-based evidence document. They completed work on their principle position paper/policymaker document earlier this year. This is available on the IDF extranet for use by members. o SC members noted risks for further pickup of policies to discourage consumption of UPF in Latin America and in the discussion of Sustainable Food Systems for Nutrition at CFS.; "Local" and "seasonal" were also noted as terms used to restrict processed foods in some policy debates. o IDF Brazil has reached out for support on UPF as Brazil revises its DGs that currently reference NOVA. There may be an opportunity to address these policies and food classifications. IDF will seek to weigh in if possible and helpful. o A Sayler (US) suggested coordination and communication between the TF UPF and TF on Plant-Based Beverages given overlap between the issues addressed. It was noted that utilization of materials developed by both TFs is important.				

	2. L Rycken (IDF) provided an update on the Voluntary Guidelines on Food Systems and Nutrition virtual negotiations within the FAO Committee on World Food Security (CFS). IDF has been very engaged in drafting of the document, but the negotiations have been impacted by COVID 19. The first discussion took place in September with lots of controversy. Given lack progress, CFS initiated a "friends of the chair" process which allows a smaller working group to move through the document. The next larger formal negotiations not expected until December. IDF and GDP have been working together closely on the friends of the chair process and have delivered important dairy wins. IDF has focused on three key concepts: health diets, nutritious foods and unhealthy diets. Progress was made on the definition of healthy diets, which now focuses on health outcomes and no longer references nutrients. With regards to nutritious foods, New Zealand added dairy as an example of a nutritious food. Work remains on unhealthy diets. There the references to nutrients to limit remain, and attempts have failed to add "industrially produced" before trans fatty acids. It is very important that IDF members continue to engage on these issues, both to protect wins and to make progress on unhealthy diets concept. Noting the amount of discussion about sustainable and healthy diets, the friends of the chair have landed on "healthy diets produced by sustainable foods," which is helpful for dairy. IDF staff will prepare a brief overview of these issues for use by members to be distributed through NC channels. CFS work will also feed directly into the Food Systems Summit (FSS) so it remains a critical priority area for IDF in 2021.

	3. An update of the current state of affairs for the UN Food Systems Summit (FSS) and IDF plans similar to what was shared with US IDF was provided. The FSS is anticipated to be one of the most impactful events for food and agriculture sectors in the near future and being described as an effort to “radically” change the way we produce and consume food. Information suggests that the FSS will be held in parallel to UN General Assembly meeting in New York in September 2021, with physical vs. virtual to be confirmed. Anticipate a high level political document that recommends actions to be taken by member states to implement recommendations from the FSS. This may include policy tools that could be implemented and will have the largest impact on dairy products in the marketplace. There will also be an impact from media coverage and consumer engagement with the FSS. Actors involved in the planning and execution of FSS seem to favor a plant-based approach that seeks to reduce the role of livestock in the food system, which is a challenge IDF will need to help manage. Details about the summit management were provided, including summit leadership and the five action tracts. Again, this mirrored what has already been shared with US IDF. An IDF TF has been formed to help organize the IDF response, which includes broad representation across SCs and representation from the Global Dairy Platform. The TF will help organize IDF’s strategy and role in preparing for and engaging with the FSS, including prioritization. IDF will need to work closely with other organizations, but it will also be essential that IDF national committees and through SC contacts at the national level on the summit. C Emond (IDF) noted that FSS is a priority project for IDF in 2021. The first IDF FSS Strategy AT call is scheduled for the week after thanksgiving with the TF meeting again in mid-December.

	4. C Heggum (DK), as the co lead of the AT, provided an overview of the progress of this work, which has been divided into two parts—updating the old IDF bulletin from 2005 and compiling current regulatory frameworks on protection of dairy terms. The update provided focused on the first part, which he has led. This is very timely work given the ongoing debate about dairy terms in many parts of the world. The bulletin has been through three redrafts under the direction of the AT and then out to NCs for approval, with full approval as of early October. A final version is ready for publication and will be posted soon. US IDF feedback was sought and incorporated. Key changes were noted, including aligning terms and abbreviations, strengthening/clarifying language, adding a table of contents and summary, rearranged the text to flow better, and added new few annexes. Two new dairy standards are now included that were developed since 2005. There has also been a focus on clarifying food additives in commodity standards, the rationale for using term milk for raw and heat treated milks, protein adjustment of drinking milks and optional vs. mandatory use of product names for standards. A greater focus on differentiating non-dairy products was also taken beyond price, focusing on nutrition and environmental issues. It was also noted that the updated document now addresses cell cultured dairy imitators. CH Busse (DE) noted that the second part of the activity includes a survey on existing regulations to protect dairy terms. The survey was placed on hold pending the updated bulletin, but now that the bulletin is complete, the survey is forthcoming. The survey should be started soon with the goal of circulating something in the coming months.

5. An update on the recent Codex Commission (CAC) meeting was provided. It was noted that a total of five virtual sessions were required to complete the agenda. The report adoption was held following the SCSIL meeting.

The meeting was an overall success for IDF. CCNFSDU issues were all adopted, including the Standard for Follow Up Formula sections on scope, definitions and labeling, which were adopted at step 5. The Guidelines for ready to use therapeutic foods were also adopted at step 5 with techincal comments to be resubmitted. Conditions for a trans fat free claims, potentially problematic for dairy was discontinued as was work on a definition of biofortification.

The Commission also recognized that further postponement of Codex meetings cannot continue and that virtual meetings should be used in 2021. Hybrid meetings are largely off the table, and there is no need at this time to change current procedures.

Virtual meetings pose a number of challenges for IDF activation. The FSSG is discussing how to manage virtual meetings, including the importance for advance planning, preparation and national advocacy—this will need to be coordinated through US IDF so that we are all on the same page. Communications within the IDF delegation will also be critical, as will guidance to Codex chairs given challenges with time management. As a result of time management concerns, the Commission did implement a process whereby delegations were asked to take the floor only if they objected to a proposal. This needs to be managed as it could cause a bias in the report if not appropriately reflected.

Positively, IDF will be able to have a larger IDF “delegation” with a larger techincal group contributing.

	6. The ongoing work of Codex on Front of Pack Nutrition Labeling (FOPNL) was discussed. While the Codex Committee on Food Labeling (CCFL) meeting has been postponed to September 2021, the electronic working group continues on the FOPNL guidelines document. Some good developments for dairy, particularly in the general principles. The next document will come out in December 2020 and will need active engagement from all SC members. One point flagged that requires further IDF consideration is whether or not FOPNL needs to be government led or not given diversity out there with companies adopting their own/voluntary schemes. IDF was careful in responding to this. FOPL is a key priority for IDF. Good IDF positions have been developed, but this is a dynamic area where new schemes are coming out and new evidence is emerging requiring constant updating of the IDF position. The series of webinars organized by IDF on FOPNL systems around the world and focus on reformulation were noted. Reformulation is another area where IDF discussion is needed given that reformulation is a key outcome of FOPNL in many countries even though it creates challenges for dairy products that cannot be reformulated due to intrinsic nutrients or because of standards of identity. Serving size has also been an issue in the Codex work with a diversity of views and no IDF position at this time. This is something to consider carefully leading up to CCFL Sept. 2021 M. Grivier (FR) provided an update on Nutri-Score, the system used in France that is being applied to other policies, including fiscal policies like taxation. At the EU level with the Farm to Fork strategy, a decision has been made to link front of pack labeling to nutrient profiling and possible restrictions on nutrition and health claims. Nutri-Score is also being used by retailer in Belgium to give discounts for products that score A or B. It was noted that Google has a new policy using nutrient profiles to restrict marketing of products including full fat and flavored dairy products. J Gerrisen (NL) noted that the NL food and drink association held a meeting in September to discuss the policy. At that time, it appeared that dairy would not be significantly impacted, but the policy now restricts marketing for all dairy products except no/low fat milk and yogurt without added sugar. SC members noted interest in understanding the outcomes of further outreach and discussion. Agreement was reached to reconvene in January of 2021 to plan for CCFL in September 2021, particularly on the points noted above where further refinement is needed.
Define Program Area or Committee Tie-In:	

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Work on the UN FSS	Greg Miller, Nick Gardner	Consider US IDF AT	
Timeline/Deadline	Ongoing		
Budget Commitment	None		
Activity	Program Lead	Other	Shared

Codex Nutrition and Labeling Work	Multiple	Consider US IDF AT	
Timeline/Deadline	Ongoing		
Budget Commitment	None		

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

US-IDF Keep in Touch (KIT) Sheet

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Name:	Bill Graves	**Date:**	11-20-20		
IDF Meeting:	STANDING COMMITTEE ON DAIRY SCIENCE AND TECHNOLOGY	**Meeting Date:**	November 10, 2020		
Key Participants:	Bill Graves, Allen Sayler, Praveen Upreti				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. **Task Force Ultra-Processed Foods** - **draft** The SCDST Committee has developed a draft of the technology part of the brief. Follow-up action: To further explain the technology brief, flow charts need to be finalized. A common conclusion of the three parts nutrition, technology and additives is a next task for the TF on UPF.				
	2. **Task Force Digital Dairy** - **draft** The objective of the Task force was to identity digital technologies relevant to the dairy sector and determine the role of IDF. This was addressed by identifying the main areas within the supply chain where 'digital' can be integrated. Follow-up action: To deliver a bulletin on the topic, to produce a peer reviewed publication and to identify what role IDF should play on the topic for review with SPCC. Note that Praveen Upreti provided an important contribution with a Nestle case study.				
	3. **Milk Tree** - **draft** Follow-up action: (1) Review of the Milk tree fact sheet by the SCDST by 10th December 2020, make the necessary changes, and feed it into the publication process for fact sheets. (2) Upload the milk tree on to the IDF website (3) Scope out the concept of requesting NC secretaries to provide a list of products associated with each product to link to each topic and determine who would curate such a database.				
	4. **Use of nucleic acid amplification methodologies in the dairy industry** - **draft** The objective of the work is to disseminate the benefits and challenges of using molecular techniques for identification and tracking of microorganisms during Dairy product manufacture. The initial focus will be on nucleic acid amplification methodology for pathogen / spoilage organism detection during different processing unit operations. Follow-up action: The New Work Item was approved by the SCDST and will be submitted to IDF SPCC. Bill Graves requests any U.S. IDF members to contact him if interested.				

Define Program Area or Committee Tie-In:

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Contribute to TFUPF technology brief	Bill Graves		
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Scope out the concept of requesting NC secretaries to provide a list of products associated with each product to link to each topic and determine who would curate such a database	Bill Graves		
Timeline/Deadline			
Budget Commitment			

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US-IDF Keep in Touch (KIT) Sheet

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Name:	Dustin	**Date:**	04Nov2020		
IDF Meeting:	SC on Analytical Methods for Composition (SCAMC)	**Meeting Date:**	04Nov2020		
Key Participants:	Philip Haselberger, US; Aurelie Dubois, IDF; Marcel de Vreeze, ISO; Steve Holroyd, NZ; Philip Trossat, FR; Hans Cruijsen, NL; Christophe Fuerer, CH; Erik Konings, CH; Harrie van den Bijgaart, NL; Richard Johnson, NZ; Kevin va Cleef, NL				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. Codex Committee on Methods of Analysis and Sampling (CCMAS) expected to meet virtually in May'21. Decision pending Secretariat's discussions with individual country delegations. CCMAS virtual webinars planned for 24-25Nov'20. Interagency meeting scheduled for 23Nov20. Registration not yet posted.				
	2. ISO standards recently published for methods for biotin; vits B1, B2, B3, B6; choline/carnitine; and carotenoids in infant formula. Methods were from AOAC's Stakeholder Panel for Infant Formula and Adult Nutritionals. Next step: endorsement by CCMAS in 2021 for adoption as Type II methods.				
	3. ISO TC34 SC11 new work item proposal on classification of edible plants and oils. Discussed whether milk fat should be included in scope. **Next: Subgroup of SCAMC will review and if overlap w/ milk fat. If yes, may connect SC11 w/ SC5.**				
	4. ISO/IDF 244 – method for sugar content in milk – received technical and editorial comments at final FDIS stage. Consensus was to integrate editorial comments but not integrate tech comments and save them for later revision instead. Next: no actions				
	5. **SCAMC seeking project leader** for project C58 Skimmed milk powder: quantitative determination of phosphatidylserine and phosphatidylethanolamine method: reversed-phase hplc. Next: source leader; query EU commission				
	6. Next IDF/ISO meetings: Virtual – Apr'21; Sep/Nov'21 Physical – Apr'22, Germany (tentative)				
Define Program Area or Committee Tie-In: N/A					

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Nothing for US	N/A	N/A	N/A
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared

Nothing for US	N/A	N/A	N/A
Timeline/Deadline			
Budget Commitment			

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US-IDF Keep in Touch (KIT) Sheet

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Name:	Andrew Novakovic	**Date:**	11 November 2020		
IDF Meeting:	SCM (only) meeting	**Meeting Date:**	11 November 2020		
Key Participants:	Micelle Matto, Chris, Allen, Greg Miller				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. Most of the meeting was devoted to updates from various members and CE on activities of other committees, in particular those with overlapping agendas. This included SPCC, SCNH, TF-Plant-Based Foods, TF-Ultra Processed Foods, GDP, EMF (European Milk Forum is a consortium of generic promotion groups in 6 countries that coordinate joint activities)				
	2. Interest in developing marketing communications principles to complement SCNH work on survey of dietary guidelines in 94 countries, Front-of-Pack-Labeling, and CODEX rules on use of milk and dairy terms. Similar to nearly ongoing work on PBB.				
	3. Seeking participation from selected counties, including US to develop a kind of case study database on ersatz PB foods commonly sold in each country with comparison to the dairy standard product.				
	4. Seeking partners to be part of an Action Team that would work on the triennial Marketing Trends report, next due in 2022 (post pandemic, hopefully). Similarly looking for volunteers to working on a similar AT for annual Country Reports, in conjunction with SCDPE.				
	5. Laurent Damiens (FR) elected Chair, Zoe Kavanagh (IE) elected vice-chair				
Define Program Area or Committee Tie-In:					

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			

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US-IDF Keep in Touch (KIT) Sheet

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Name:	Michelle Slimko	**Date:**	Nov 24 2020		
IDF Meeting:	SCNH EOY Conference Call	**Meeting Date:**	Nov. 10, 2020		
Key Participants:	Members of the SCNH				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. Stephan Peters mentioned there is an action team putting together all the position and consensus statements related to dairy and NDCs from food and health authorities. e.g. WCRF messaging on dairy and colorectal cancer. This will be helpful by providing a consolidated source for use in communicating the health benefits of dairy to policy makers.				
	2. Erica Hocking provided an update on the webinar series of nutrition science topics scheduled for 2021. The committee discussed ways to leverage the summaries of these to generate messaging about dairy, especially leading up to UN FSS.				
	3. Stephan Peters introduced a new work item which aims to find an acceptable indicator for foods that incorporates both ecologic effects of food (environmental footprint) and nutrient value in the same metric. This is to address growing interest for incorporating environmental effects of foods into FBDG. Joint project between SCNH and SCENV. Proposal attached to this update.				
	4.				
Define Program Area or Committee Tie-In:					

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			

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Attachment for Key Point #3

Revised IDF New Work Item Proposal
Memo and Examples are available on the IDF intranet: https://intranet.fil-idf.org/document/list/11708

NWI title: Indicators for healthy diets in a sustainable food system	
Proposer (individual or group) : SCNH and SCENV - cross-standing committee effort	
Current status	**Draft**
Objective and description of the work (5 lines max per question)	

1. **Need** - What is the bigger issue (possibly related to something like an UN Sustainable Development Goal - SDG) that this project addresses

The common perception that plant-based foods have a lower environmental impact than do animal-source foods may be driven by the common practice of calculating the environmental footprint of food production per kilogram of the food product. However, this method and approach have limitation, because people do not subsist on single foods and do not take the qualities (nutrients and health effects) of these foods into consideration. In addition, people eat diets composed of many foods. The range of GHGE of whole and healthy diets is much narrower than the range of GHGE for individual foods.

To define healthy diets within sustainable food systems, metrics and measures from the different domains need to be combined. Although this has been done in some publications, there are no recognized ways of making sure that all aspects of sustainability are included in future models of healthy diets from sustainable food systems.

Within this environmental domain, metrics and measures include the impact of food production on global warming and climate change as well as the land, water, and energy costs of food production.

Work on energy and nutrient density of foods suggests that different values will be obtained when the environmental cost, including GHGE, is calculated per 1000 kcal or in relation to nutrient requirements, e.g. per gram protein or per nutrient (density) scores.

Therefore, contributions of the food system to climate change should be measured using carbon dioxide equivalents (CO2-e), a composite indicator that generally accounts for the aggregate impact of carbon dioxide, methane, and nitrous oxide as well as including land- and water use.

2. **Objective of the work** – How the work proposes to respond to the issue above

To carry out a deep and critical analysis of the literature in order to identify and elaborate a new marker of sustainability for dairy products.

To determine and recognized ways of making sure that all aspects of sustainability are included in future models of healthy diets from sustainable food systems.

The goal of this work item proposal is to find an acceptable indicator considering both the ecologic effects of food production and the (nutrient) quality of foods, focusing the ecologic effects of providing to human organism the required essential nutrients for physiological

processes. The indicator should be as simple as possible and science-based in order to being accepted by the scientific community and policy makers.

3. Is there any **existing data or work** by another organization, and how the proposed work build on our current knowledge and expand it

Linear programming models like Optimeal®, the Netherland.

The New Zealand Riddet Institute modeling work on nutrition and environmental impact research as well as the work on a protein quality/digestibility comparison review

DMI funded research to support CONE-LCA (LCA framework combining nutritional and environmental health impacts) approach to evaluate nutrition and sustainability impact.

http://css.umich.edu/publication/life-cycle-assessment-framework-combining-nutritional-and-environmental-health-impacts

4. **How** will the work be carried out?

Map models and papers that consider ecological effects of food production in relation to nutrients requirement (essential in particular) for a healthy life: linear modeling, nutrient density scores etc.
Work together with scientists to develop one or more indicators that consider nutrient quality and, if possible, in further stage economic and cultural aspects (FAO definition).

5. Proposed **Deliverable**/Format
Note: NWI proposal form is not needed for IDF fact sheets and work monitored from other organisations

Click on the box to choose: IDF Bulletin
Specify (if needed):

How does this work align with IDF's Strategy (which focus area, which objective, which strategic goal, etc)?

Click on the boxes to choose:
Focus area: Sustainability

Strategic goal 1 Dairy as integral part of sustainable food systems dialogue: Engage in, explain and promote the interface between nutrition and sustainability
Strategic goal 2 Dairy's contribution, with its nutrient density and dairy matrix, to improving health of all age groups
Strategic goal 3 Environmental sustainability: Develop and promote common methodologies/innovative practices

How does this work align with the priorities of Inter-Governmental Organizations (FAO, WHO, OIE, UN SDGS…), if applicable?

Which best describe the purpose of the work:	Click in the box to choose: A - Work prepared "on behalf of the dairy sector" - NCs approval
Proposed leader and members	Stephan Peters (NL) Corinne Marmonier (FR), Bita Farhang (CA), Melissa Cameron (AUS), Merete Myrup Christensen (DK) Ivana Gandolfi (IT), Pierre Barrucand (FR), Ying Wang

	(US), Michelle Slimko (US), Matt Pikosky (US), Jeremy Hill (NZ)
Proposed body to be responsible	Click in the box to choose: Choose an item. SCNH
Other IDF Bodies to be involved Listed SC/TF will be invited to nominate members (receive NWI proposal) and be kept informed (liaison through matters referred)	Click on the box(es) to choose - SCENV - Choose an item. - Choose an item. - Copy/paste if necessary
Have interdependencies with other projects been identified?	none
Proposed Final Completion Date	12 /2022
Requests regarding IDF Head Office staff support	Process the documents prepared by the group, schedule meetings
Funding requirements, if any, and how these will be covered – - **Specify whether funding is requested, approved, or to be found** - **Indicate possible sources.**	None identified at this point of time
Level of priority	Priority project
Further requirements or details (need for urgent approval, justification to have a publication free of charge…)	none

Proposal for IDF event

Nutrition and Health Symposium

COUNTRY (TBD), MONTH (TBD), YEAR (2021)

By IDF Standing Committee on Nutrition and Health with assistance from the IDF Head Office

Recommendation of the IDF Head Office: The SPCC is requested to endorse the proposal for a future IDF event so the event can be included in the official IDF schedule of future events and the programming process can start as envisaged.

Deadline for reply: Date

Introduction

Dairy foods are often under scrutiny or criticised for their role in the diet, and in health and disease. It is therefore essential to stay up to date with the emerging dairy and nutrition science. It is important to build knowledge around dairy, nutrition and health which supports the role of dairy in the dietary guidelines, as well as for national and global advocacy and promotional work.

This conference will explore the emerging science on dairy nutrition and health, spending half a day on the sector's most pressing nutrition and health issues. It will provide SCNH members and influencers (dietitians & nutritionists) with the knowledge and background they need on the role of dairy in health and disease.

Proposed Event Objectives

The general objective of the symposium is to refresh knowledge and to update our understanding of several topical issues that affect the promotion of dairy as an integral part of a healthy balanced diet.

This knowledge will help create a healthy portfolio of dairy products and support the day-to-day promotion of nutrition science, as well as provide the background information to refute anti-dairy agendas.

The learning outcomes should be specific to each subject that is considered within the programme, and will encompass the established, emerging, and unpublished nutrition science on dairy consumption. Therefore, this event should invite established professors

and academics, researchers and PhD students to share their knowledge and work on dairy and health. The following themes will be explored:

Bone Health: Despite the proven benefits of calcium and other dairy nutrients for bone health, there is often a negative dialogue around dairy and bone health, such as 'dairy leaches calcium from bones', or 'dairying countries have higher incidences of osteoporosis'. Additionally, there is often the argument that populations do not need to consume dairy since all our calcium needs can be obtained from other sources. Therefore, this session should explore the bioavailability of calcium from different sources and support the argument for including dairy in a sustainable diet for healthy ageing.

Muscle Health: Dairy products are important for muscle health, particularly for growth and development in children and for sarcopenia in later life. Yet, many plant-based activists argue that plants can provide all that is needed for muscle health, without considering the amino acid composition of protein in the diet. Therefore, this session should explore the role of animal sourced foods in children's diets and support the argument for including dairy in the diet for healthy ageing.

Cardiometabolic Health: There is a growing body of evidence which suggests that the dairy matrix has a beneficial impact on cardiometabolic health, yet dairy is still viewed as a villain with regard to the development of diseases such as heart disease, diabetes and obesity. This session should explore the role of dairy in cardiometabolic health and disease and support the argument for including dairy in the dietary guidelines.

Saturated fatty acids: This session should explore the new and emerging evidence on dairy saturated fatty acids as biomarkers of health, particularly cardiometabolic health, and dairy's role in the dietary guidelines. It will support the session on cardiometabolic health and discuss whether a reductionist approach to including saturated fat in the diet is warranted.

Microbiome/immunity and fermented dairy: Fermented foods are increasingly becoming more popular/fashionable, and their connections with the microbiome and role in health is a hot topic where further exploration is needed. This session should explore the link between the microbiome and the immune system and discuss the current and emerging evidence on fermented dairy microbiome interactions and health outcomes.

Cancer: Dairy products are often wrongly accused of 'causing' cancer. Therefore, this session should provide an update on dairy and cancer from WCRF CUP (or similar) to support dairy and cancer myth busting, as well as a discussion around the potential anti-cancer properties of fermented dairy products.

Sustainable Healthy Diets: The beneficial role and nutrient richness of dairy in a sustainable diet is often overlooked. Therefore, this session should explore the role of dairy in a sustainable diet and highlight the importance of considering all pillars of a sustainable food system to support health.

[Include a) Intended Outcome, b) Intended Audience, c) Expected Deliverables, and d) Fit with IDF Strategy: Note the Strategic Pillar(s) supported by the event (i.e. Standards; Food

Safety and Quality; Nutrition; Sustainability). Explain how the event fits with the IDF Strategy (especially regarding cross-disciplinary aspects), and how this event would provide added value with respect to the IDF Strategy.]

a) Intended Outcome:
1. Explore the role of dairy in the diet and its impact on health and disease across the lifespan. Specifically, the associations between the consumption of dairy products and cardiometabolic health, immune health, cancer, bone health, muscle mass and function, and sustainable diets.

2. improve knowledge and to appreciate study design and strength of evidence from clinical studies, cohort studies, systematic reviews and meta-analyses, and to gain an understanding of how to interpret results published from such studies important in dairy nutrition science.

3. Appreciate the potential and plausible mechanisms currently researched to support associations outlined from human studies and emerging science on dairy and health.

4. Encourage interaction and discussion between academics and nutrition scientists.

5. Support IDF SCNH programme of work and provide background knowledge for topics or issues of concern (e.g. upcoming consultations, events, reports).

b) Intended Audience:

Dairy sector nutrition and health experts, external influencers (e.g. dietitians, nutritionists, healthcare professionals), academics and students.

c) Expected Deliverables

1. Conference Report and Proceedings
2. Daily Report/Press Release
3. Blog

d) Fit with IDF Strategy: Note the Strategic Pillar(s) supported by the event

The event is aligned with the current IDF Strategy on nutrition and health and focuses on several nutrition and health topics and themes within the SCNH programme of work (e.g. dairy in the dietary guidelines, sustainable diets).

Proposed Structure and Content of Event
[Brief overview of programme, including evidence of how the event plans to address the state of the art/latest challenges. Include information about how the proposed event builds on/has evolved since the previous event.]

The symposium should aim to spend half a day on each theme outlined previously within the objectives. Each session will include:

- a short introduction (15 minutes)
- 2 academic or research- based presenters (45 minutes),

- 2-3 PhD students to present a short update on new and emerging research (10 minutes each) or a short case study (15-20 minutes),
- a panel discussion (30 minutes).

Options:
Face-to-Face: 3 ½ day conference
Virtual Conference: 7 ½ sessions over 2-3 weeks
Webinar Series: 7 sessions over a 2-3 months (the presentations should be shortened for this purpose).

PhD students will be invited to submit abstracts [and posters] on the shortlisted themes.

Proposed Venue and Date

Due to COVID and the uncertainty around travel restrictions, as well as no planned face-to-face IDF events taking place in 2021, we may need to consider hosting a virtual event.

- Option 1) Physical Meeting – ideally alongside an IDF event (e.g. WDS), or could be hosted in a representative country or near IDF HQ (Date TBD),
- Option 2) Virtual Symposium (Spring 2021)
- Option 3) a Series of Webinars (Immediate/upon approval of SPCC)

Communication Plan

[Audience, timing and communication tools; To be coordinated with IDF HO]

Audience: Academics, dairy nutrition experts and healthcare professionals will be invited through the IDF network, investors and potential partnerships (e.g. Nutrition/Health Societies).
Timing: Announcement at suitable IDF event (flyer; website; programme outline),
Communication tools: Twitter; IDF website, personal contacts, email database of contacts, external websites e.g. advertising via dietetic/nutrition societies

Budget and source of Funding

[Line item budget and identified funding sources such as participant registration fees, exhibitors, national dairy associations, etc.]

A detailed draft budget will be prepared, and the costs will be based on attendances of between 150 and 200 participants for a physical meeting or [e.g 100] for a virtual meeting. Cost will be balanced by an income stream split between income from participants and income from sponsorship and exhibitors.

Organization underwriting the event

[Mention the organization that bears financial responsibility]

The IDF Head Office

Proposed Membership of the Organizing Committee
[Mention all members; should include a representative of IDF Head Office]

The IDF Head Office

Proposed Membership of the Program/Scientific Committee (when relevant)
[Mention all members]

Laurence Ryken (IDF), Stephan Peters (NL), Michelle Slimko (US), Corrine Marmonier (FR), Melissa Cameron (AU), Nick Gardener (US), Constance Gayet-Boyer (FR), Ivana Gandolfi (IT), Maretha Vermaak (ZA), Erica Hocking (UK).

Draft Programme

Session theme: Bone Health
This session should explore the bioavailability of calcium from different sources and support the argument for including dairy in a sustainable diet for healthy ageing
9.00 – 9.15am: Welcome and introduction
9.15am – 10am: Calcium from dairy, plants or plant-drinks? (from a growth and development perspective) Speaker suggestions: Connie Weaver (UC Davies), Sue Shapses (Rutgers), Taylor Wallace
10am-10.45am: Bone health: latest evidence on dairy consumption and aging/older adults Speaker suggestions: Dr Sandra Iuliano (Melbourne) (another option could be on dairy and bone health with Kelsey Mangano, Tom Hill or Craig Sale)
10.45-11.15 Comfort break
11.15-11.45: Invited PhD: 2-3 PhD students will be invited to share new/emerging research in this area
11.45-12.15: Panel Discussion – all speakers will be invited to discuss the issues around dairy consumption and bone health
12.15 Closing remarks

Session theme: Muscle Health
This session should explore the role of animal sourced foods in children's diets and support the argument for including dairy in the diet for healthy ageing
13.30 – 13.45: Welcome and introduction
13.45 – 14.30: The importance of animal sourced foods for children Speaker suggestions: Lindsay Allen (UC Davis), Mark Manary (Washington University)
14.30 – 15.15: Dairy products and ageing: is this food category an important tool to prevent sarcopenia? Speaker suggestions: Francesco Landi (Università Cattolica del Sacro Cuore), Stuart M Phillips (McMasters), Leigh Breen (Birmingham), Oliver Witard (KCL), Emma Stevenson/Milkman Study (Newcastle) (Another option could be to focus on sports nutrition/dairy and muscle in younger adults - Stuart M Phillips, Oliver Witard, Luc Van Loon)
15.15 – 15.45 Comfort break
15.45 – 16.15: Invited PhD: 2-3 PhD students will be invited to share their new/emerging research in this area
16.15-16.45: Panel Discussion – all speakers will be invited to discuss the issues around dairy consumption and muscle health
16.45: Closing remarks

Session theme: Cardiometabolic Health
This session should explore the role of dairy in cardiometabolic health and disease and support the argument for including dairy in the dietary guidelines
9.00 – 9.15am: Welcome and introduction
9.15am – 10am: Dairy and cardiometabolic health/Cardiometabolic disease: the results of just one component or of the matrix? Speaker suggestions: Arne Astrup (Copenhagen), Emma Feeney (UCD), Ian Givens (Reading), Dariush Mozaffarian (Tufts), Andrew Mente (McMaster), Soedamah-Muthu,

10am-10.45am: Fermented dairy/cheese and microvascular function/ or heart disease Speaker suggestions: Lacy Alexander (Penn State), Emma Feeney (UCD) (or other options could be whey/milk and BP, yogurt and T2DM)
10.45-11.15 Comfort break
11.15-11.45: Invited PhD: 1-2 PhDs students will be invited to share their new/emerging research in this area (possibly focusing on the role of the "minor components" (BMOs, peptides, MFGM)) as well as a case study on the evidence informing policy and Australia's National Health Foundation recommendations.
11.45-12.15: Panel Discussion – all speakers will be invited to discuss the issues around dairy consumption and cardiometabolic health
12.15 Closing remarks

Session theme: Saturated Fatty Acids
This session should explore the new and emerging evidence on dairy saturated fatty acids as biomarkers of health, particularly cardiometabolic health, and dairy's role in the dietary guidelines
13.30 – 13.45: Welcome and introduction
13.45 – 14.30: Dairy saturated fatty acids and their impact on health Speaker suggestions: Lynne Moore (Boston), Benoit Lamarche, Marcia de Oliveira Otto, Dariush Mozaffarian (Tufts), Andrew Mente (McMaster),
14.30 – 15.15: The Milky Way Study: are saturated fats in dairy products beneficial to young children? Speaker suggestions: Associate Professor Therese O'Sullivan, a researcher with Edith Cowan University, Australia
15.15 – 15.45 Comfort break
15.45 – 16.15: Invited PhD: 2-3 PhD students will be invited to share their new/emerging research on dairy saturated fatty acids and their implications for health
16.15-16.45: Panel Discussion – all speakers will be invited to discuss the issues around saturated fats, dairy consumption and health
16.45: Closing remarks

Session theme: Microbiome/immunity
This session should explore the link between the microbiome and the immune system, and will discuss the current and emerging evidence on fermented dairy microbiome interactions and health outcomes
9.00 – 9.15am: Welcome and introduction
9.15am – 10am: The role of the gut microbiome in supporting the immune system Speaker suggestions: Kevin Whelan/Megan Rossi (KCL), Soraya Mezouar/ Joana Vitte (another option could be the immune system and vitamin D (Annamaria Colao: endocrinologist, Federico II Naples University, winner of the Geoffrey Harris Award 2020.)
10am-10.45am: Fermented dairy gut microbiome interactions and health: latest update Speaker suggestions: Bob Hutkins (University of Nebraska), Maria Marco (UC-Davis) or Paul Cotter (Teagasc, University College Cork)
10.45-11.15 Comfort break
11.15-11.45: Invited PhD: 2-3 PhD students will be invited to share their new/emerging research in this area (e.g. Lactoferrin and immunity)
11.45-12.15: Panel Discussion – all speakers will be invited to discuss the emerging research on the gut microbiome and how dairy could support the immune system
12.15 Closing remarks

Session theme: Cancer
This session should provide an update on dairy and cancer from WCRF CUP or a dairy and cancer myth busting session as well as a discussion around the potential anti-cancer properties of fermented dairy products
13.30 – 13.45: Welcome and introduction
13.45 – 14.30: Dairy and Cancer: Update Speaker suggestions: WCRF or similar representative (another option could be to have a dairy and cancer myth busting session – Sandra Wallace RD, UK)

14.30 – 15.15: Fermented dairy and cancer risk/prevention: latest evidence Speaker suggestions: Kui Zhang, Mohammadreza Sharifi,
15.15 – 15.45 Comfort break
15.45 – 16.15: Invited PhD: 2-3 PhD students will be invited to share their new/emerging research on dairy and cancer risk (or another option could include a potential case study could be from UKs Committee on Carcinogenicity of Chemicals in Food, Consumer Products and the Environment and their latest findings on IGF-1 and cancer)
16.15-16.45: Panel Discussion – all speakers will be invited to discuss the issues around dairy consumption and cancer myths
16.45: Closing remarks

Session theme: Sustainable diets
This session should explore the role of dairy in a sustainable diet and highlight the importance of considering all pillars of a sustainable food system
9.00 – 9.15am: Welcome and introduction - Cindy Schweizer (The role of dairy in a healthy, sustainable eating pattern)
9.15am – 10am: Importance of nutritional adequacy, food price and nutrient density in a healthy sustainable eating pattern Speaker suggestions: Nicole Darmon/Adam Drewnowski
10am-10.45am: The evolution of protein quality assessment with implications for global food systems Speaker suggestions: Paul Moughan (another option could be on animal vs plant protein for muscle health (with a focus on the environmental implications of needing plant protein for MPS) - Oliver Witard)
10.45-11.15 Comfort break
11.15-11.45: Invited PhD: 2-3 PhD students will be invited to share their new/emerging research in this area

11.45-12.15: Panel Discussion – all speakers will be invited to discuss the role of dairy in a healthy sustainable diet and the implications of following a plant-only diet vs a balanced diet
12.15 Closing remarks

US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Allen R. Sayler	**Date:**	Dec. 1, 2020
IDF Meeting:	Standing Committee on Food Additives	**Meeting Date:**	Nov. 3, 2020
Key Participants:	Attendants: Aurélie (AD) (Secretariat), Allen (AS) (Chair), Andreas (AA) (observer), Cristina (CA), Elena (EM), Peter (PW), Camille (CC), Cathy (CZ), Chris (CT), Isabel (IS), Jacco (JG), John (JA), Luisa (LC), Michael (MH), Nick (NG), Osamu (OS), Stanislav (S?), Yoshinori (YK), Wolfgang (WE), Christian (CK) (Dep. Chair).		
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. New Chair – Christian Kastrup (Denmark) and Deputy Chair – Cathy Zang (New Zealand) ushers in a new era for this IDF Standing Committee after the Allen Sayler Chaired this Committee for the past 5 years		
	2. Alignment - Completion of the food additive alignment work and moving all Codex dairy standard food additives to the appropriate Codex General Standard for Food Additives (GSFA). The expectation is that the 2021 virtual meeting of the Codex Committee on Food Additives will finalize all eWG and IDF recommendations, with a few more complex issues related to "Fermented Milks" likely to be held over to 2022. The IDF AT on Alignment was awarded the IDF "Prize of Excellence" for their work on ensuring the alignment process preserved the food additives in the various Codex dairy standards as they were transferred to the GSFA. Included were US-IDF members Nick Gardner and Allen Sayler.		
	3. Colors – With the elimination of Note 161, a number of colors are under discussion for inclusion or deletion for use in various Codex dairy food categories in the GSFA. Some of these categories are listed below: • Category No. 01.1.2 (Other fluid milk (plain)) • Category No. 01.1.4 (Flavored fluid milk drinks) • Category No. 01.2 (Fermented and renneted milk products (plain)) • Category No. 01.2.1 (Fermented milks (plain)) • Category No. 01.2.2 (Renneted milk (plain)) • Category No. 01.3.2 (Beverage whiteners) • Category No. 01.4.1 (Pasteurized cream (plain)) • Category No. 01.4.2 (Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)) • Category No. 01.4.4 (Cream analogues) • Category No. 01.5.2 (Milk and cream powder analogues) • Category No. 01.6.1 (Unripened cheese): • Category No. 01.6.2 (Ripened cheese): • Category No. 01.6.2.2 (Rind of ripened cheese): • Category No. 01.6.2.3 (Cheese powder (for reconstitution; e.g. for cheese sauces)): • Category No. 01.6.4 (Processed cheese-plain): • Category No. 01.6.4.2 (Flavored processed cheese, including containing fruit, vegetables, meat, etc.): • Category No. 01.7 (Dairy-based desserts (e.g. pudding, fruit or flavored yoghurt)): • Category No. 01.8.1 (Liquid whey and whey products, excluding whey cheeses):		
	4. Sweeteners: With the elimination of Note 161, a number of sweeteners are under discussion and the debate is focused on which note (477 or 478) will replace the current Note161 for use in various Codex dairy food categories in the GSFA. Some of these categories are listed below: • 01.3.2 - Beverage whiteners • 01.5.2 - Milk and cream powder analogues • 01.6.1 - Unripened cheese		

	5. Cocktail Effect – New work proposed to address emerging issue of a combination of food additives together being determined to be a potential health risk.
	6. Ultra-Processed Foods – New AT, led by Nick Gardner to provide food additive input into the IDF TF on UPF discussion of ultra processed foods and the NOVA food classification system.
	7. IDF Fact Sheet – Nitrates and Nitrites in Cheese published and available via the IDF website.
Define Program Area or Committee Tie-In: Food Additives	

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
1. Alignment	Nick Gardner	Allen Sayler	
Timeline/Deadline	Complete at 2022 CCFA meeting		
Budget Commitment	Attend virtual 2021 CCFA meeting & on-site 2022 meeting		
2. Colors	Nick Gardner	Allen Sayler	
Timeline/Deadline	Complete at 2021 CCFA meeting		
Budget Commitment	Attend virtual 2021 CCFA meeting		
3. Sweeteners	Allen Sayler	Nick Gardner	
Timeline/Deadline	Complete at 2021 CCFA meeting		
Budget Commitment	Attend virtual 2021 CCFA meeting		
4. Cocktail Effect	Nick Gardner	????	
Timeline/Deadline	From 2021 - 2024		
Budget Commitment	Uncertain		

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Nick Gardner	**Date:**	11/30/2020		
IDF Meeting:	Taskforce on Ultra Processed Foods	**Meeting Date:**	11/2/2020		
Key Participants:	Melissa Cameron (AUS), JeanMarc Delort (CH) Camille Carvalho (FR), Walter Bisig (CH), Chris Thompson (US), Siv Skeie (NO), Edward Sliwinski (NL), Mindy Wigzell (NZ), Muneya Tsuda (JP), Bill Graves (US), John Allen (US)				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. The Ultra Processed Food (UPF) advocacy paper was completed in early 2020 and posted on the IDF website. The paper focused on targeting policymakers to make them aware of the risks of NOVA and other ranking systems to dairy as they were identified as the highest priority audience. To date, the paper has been used to develop rebuttals to NGOs linking processing and dairy to negative health outcomes. It has also been used to develop content for the IDF comments to the CFS negotiation on the Sustainable Food Systems and Nutrition.				
	2. The TF is developing a longer document with sections on nutrition, food additives and processing technologies. No input was provided on the nutrition or food additive sections. The technology section was discussed in some detail. It was developed by Walter Bisig (CH) from a French document on dairy processing—it focuses on purpose of preservation, historical aspects, waste prevention, and will include a processing flow chart that still need to be developed. Several TF members indicated that this section of the document needs further review and revision. Once all sections are complete, IDF staff will compile and collate the sections into a single document and share it with the TF.				
	3. Taskforce Next Steps: The taskforce will review the integrated document, make any required changes, then share it with the relevant Standing Committees for approval (SCFA, SCDST, SCNH). The goal is to review/approve the document within the TF by end of December 2020. Three weeks will be provided for review by the SCs beginning in December or early January. The following points were noted: • Missing elements: Flow chart in the processing section—Several French translations need to be reviewed and needs to be redrawn. The French agreed to redraw the flow chart and review will be handled by email. • The TF agreed to assess knowledge gaps and revisit the issue, but not to highlight them in the paper at this time. • Target audience was discussed. Because regulators/policymakers have already been addressed in the advocacy document, there is interest in making the document available to address other audiences—NGOs were identified as a priority in some areas as were customers in others. This will be discussed further by the Standing Committee on Marketing.				

	4.
Define Program Area or Committee Tie-In:	

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Nate Banner	**Date:**	12/1/2020		
IDF Meeting:	SC on Analytical Method for Additives and Contaminants	**Meeting Date:**	November 10, 2020		
Key Participants:	Nate Banner (Chair), Steve Holmes (US), Chris Allen (US), Jamie Jonker (US), Robbin Koenig (US), Michael Sussman (US), Wendy Warren (US), Wim Reybroeck (BE), Aurelie Dubois (IDF), Marcel de Vreeze (ISO)				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	**Project A17 – Analytical method standard for the screening and identification of veterinary drugs (AOAC, IDF, ISO)** • This is a new liquid chromatography mass spectroscopy (LC/MS) method that was developed by Nestle based on a standard method performance requirements (SMPR) through AOAC • The method has been accepted in will be published in an upcoming Journal of AOAC publication • The method is now being adopted through IDF/ISO as well as an international standard method for veterinary residues in milk and milk powders but also other matrices				
	Project A18 – New Work Item – Guidelines for the validation of quantitative screen methods for the detection of Aflatoxin M1 in milk and milk products • This is a New Work Item submitted by the Standing Committee related to guidelines for the validation of rapid tests that are commonly used in the Global Dairy Sector • US-IDF members who develop these types of methods are contributing to this effort				
	Monitoring activities • SCAMAC is involved in the AOAC working group on Glyphosate method development. The working group is in the process of developing an AOAC standard method performance requirement and collecting initial information for a new standard method for Glyphosate residues • SCAMAC is involved in the work led by SCRCC for the technical publications of emerging residues and chemical contaminants which has formed an Action Team focused on disinfectants / detergents / teat dipping agents.				
	4.				

Define Program Area or Committee Tie-In:

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Monitor publication and next steps for new analytical method for veterinary residues though AOAC, IDF, ISO (Project A17)	Nate Banner		
Timeline/Deadline	n/a		
Budget Commitment	n/a		
Activity	Program Lead	Other	Shared
Update US-IDF on NWI related to quantitative methods for Aflatoxin M1	Nate Banner	Steve Holmes	
Timeline/Deadline			
Budget Commitment			

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

STANDING COMMITTEE ON ANALYTICAL METHODS FOR ADDITIVES AND CONTAMINANTS

End of Year Virtual Meeting, November 10, 2020

Virtual Meeting: Best Practices

KEEP **CAMERA OFF** PLEASE, TO LIMIT BANDWIDTH USAGE

PLEASE TURN ON CAMERA **WHEN SPEAKING** IF YOU ARE ABLE

MICROPHONE ON MUTE BY DEFAULT WHEN NOT SPEAKING

PLEASE REGISTER WITH **NAME**, **SURNAME**, **COUNTRY**

IDF ANTITRUST STATEMENT

IDF AND PARTICIPANTS TO IDF AND ALL ITS COMMITTEES SHALL NOT ENTER INTO ANY DISCUSSION, ACTIVITY OR CONDUCT THAT MAY INFRINGE, ON ITS PART OR ON THE PART OF ITS MEMBERS, ANY APPLICABLE COMPETITION LAW.

IDF – ISO TC 34/ SC 5

The IDF Standing Committee meeting also serves as ISO/TC34/SC5 meeting. All decisions and conclusions of this meeting with regard to progression of work on IDF/ISO standards are also resolutions for the ISO/TC34/SC5 committee. ISO recently revised the ISO Code of Conduct, see the following link for the latest version: https://www.iso.org/publication/PUB100397.html.

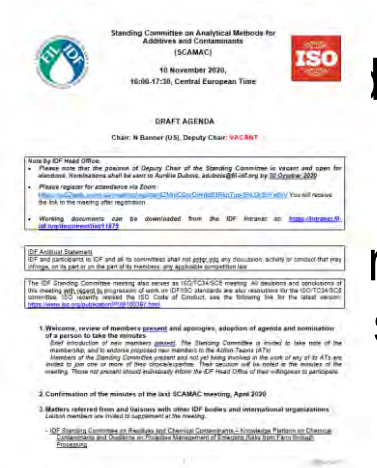
1. WELCOME, REVIEW OF MEMBERS PRESENT AND APOLOGIES, ADOPTION OF AGENDA AND NOMINATION OF A DRAFTING COMMITTEE TO TAKE THE MINUTES

New members since last IDF SCHMM Meeting:
Konstantinia Mitta (DK), Rabeb Hennekinne (CH)

Review of members present – round table

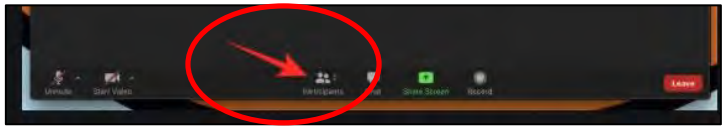
Adc la

Nor rafting committee
to ta s

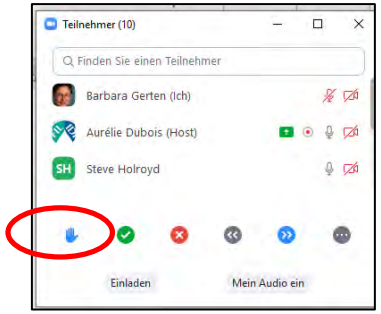

Standing Committee on Analytical Methods for Additives and Contaminants
(SCAMAC)
10 November 2020,
16:00-17:30, Central European Time
DRAFT AGENDA
Chair: N Banner (US), Deputy Chair: VACANT

This meeting will be recorded.

How to raise your hand in ZOOM:
Click on the **participant button**
at the bottom of the screen



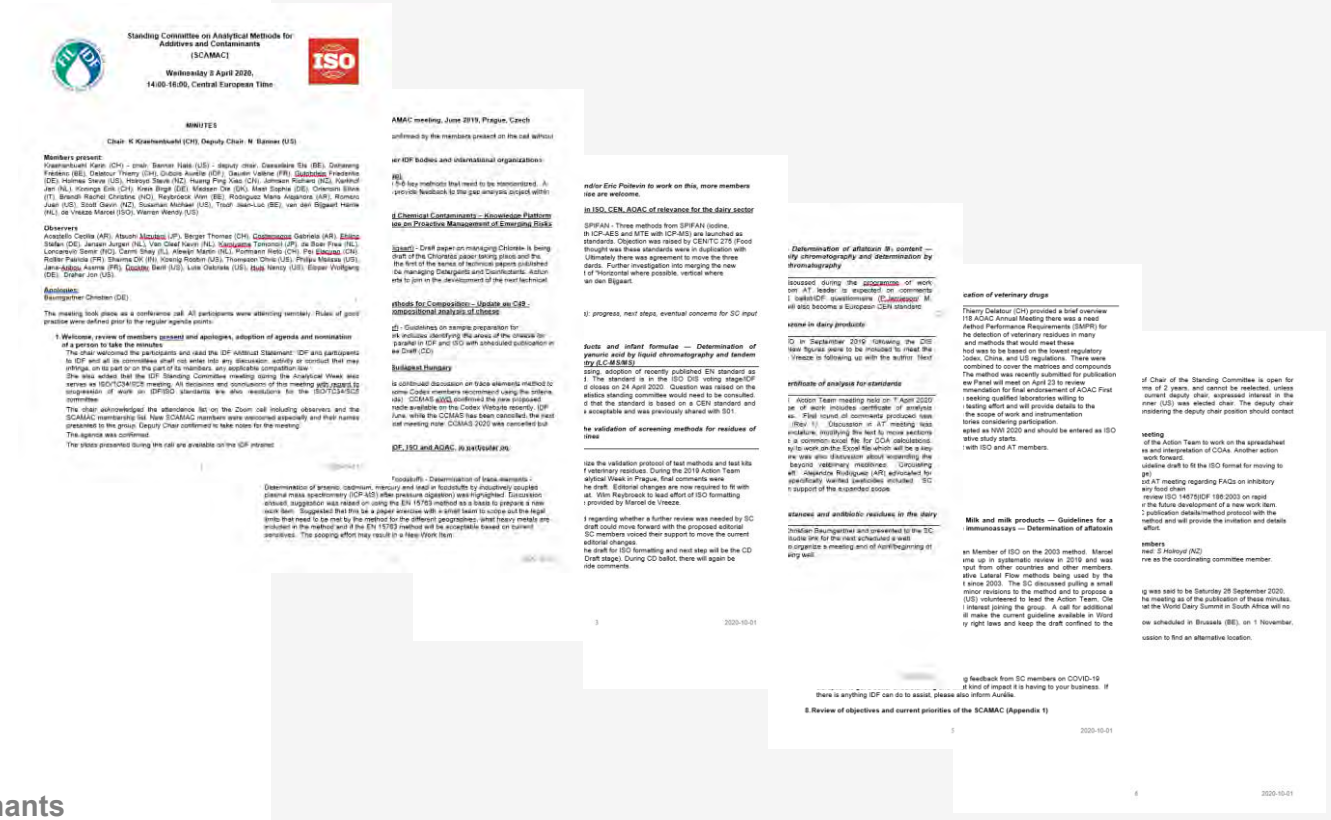
click on
“Raise Hand”



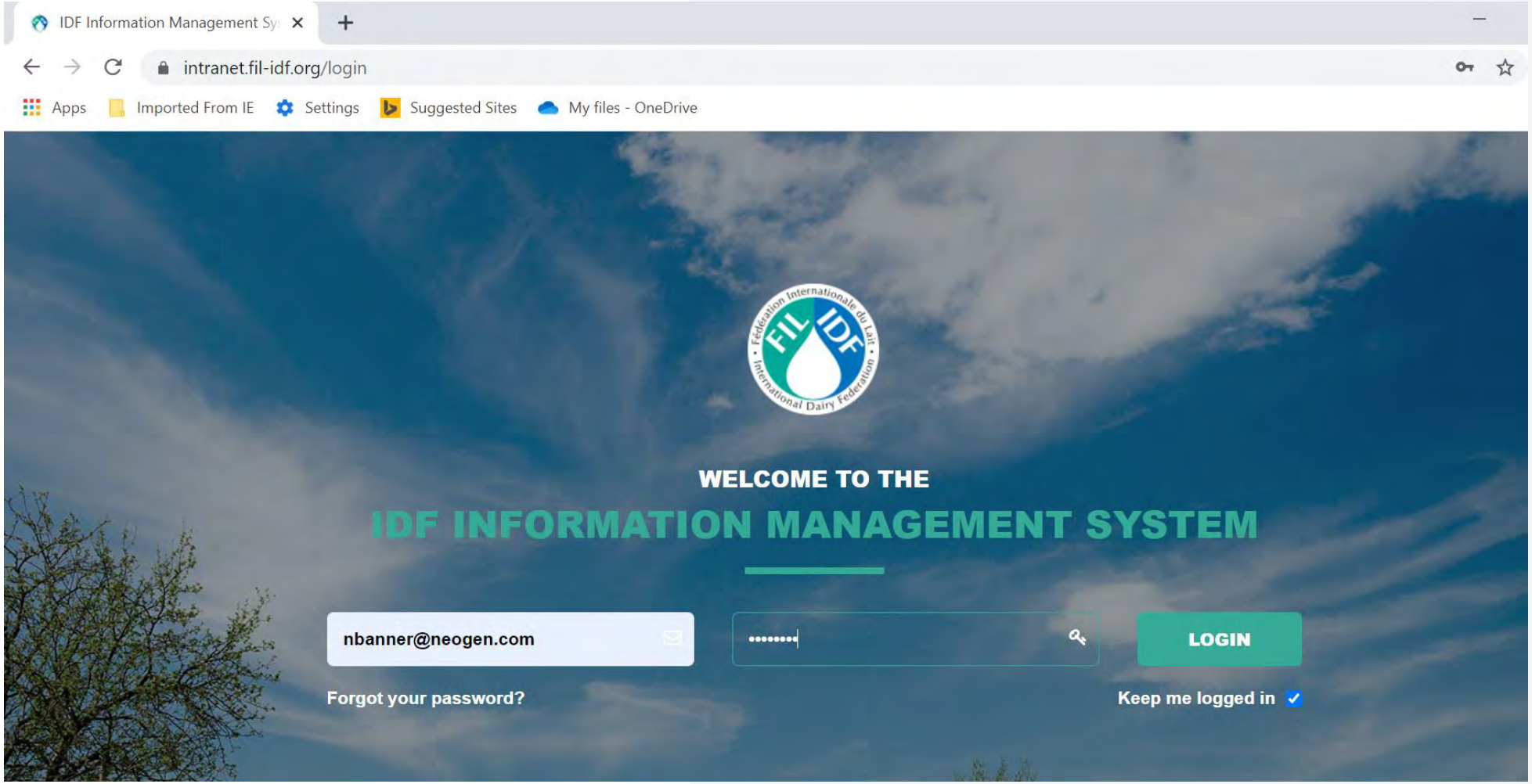
“unmute” yourself for speaking
and “mute” yourself afterwards
and “Lower Hand”

2. CONFIRMATION OF THE MINUTES OF MEETING HELD IN APRIL 2020

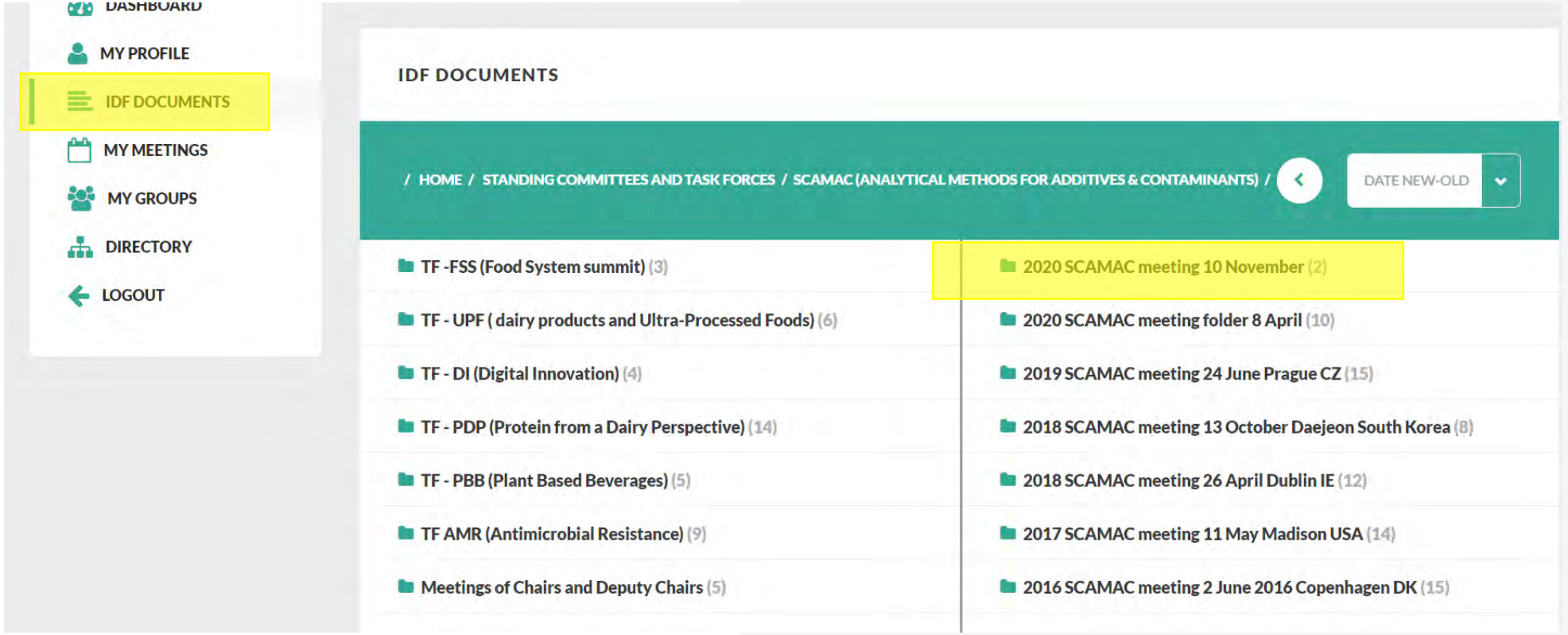
- Minutes have been sent out by mail and are available from the IDF SCAMAC Intranet folder
- No comments received


Standing Committee on Analytical Methods for Additives and Contaminants
(SCAMAC)
Wednesday 8 April 2020,
14:00-16:00, Central European Time
MINUTES
Chair: K Kraehenbuehl (CH), Deputy Chair: N Bannon (US)

IDF INTRANET



IDF INTRANET



3. MATTERS REFERRED FROM AND LIAISONS WITH OTHER IDF BODIES

1. SCRCC – Knowledge Platform on Chemical Contaminants and Guidance on Proactive Management of Emerging Risks from Farm through Processing
2. SCAMC – Update on C49 – Guidelines on sample preparation for compositional analysis of cheese
3. CCMAS 2021 – Preparation
4. Development of horizontal standards in ISO, CEN AOAC of relevance for the dairy sector

INTERNATIONAL DAIRY FEDERATION

IDF WORK ON EMERGING CHEMICAL CONTAMINANT RISKS FROM FARM TO PROCESSING (AT-RCC-01)

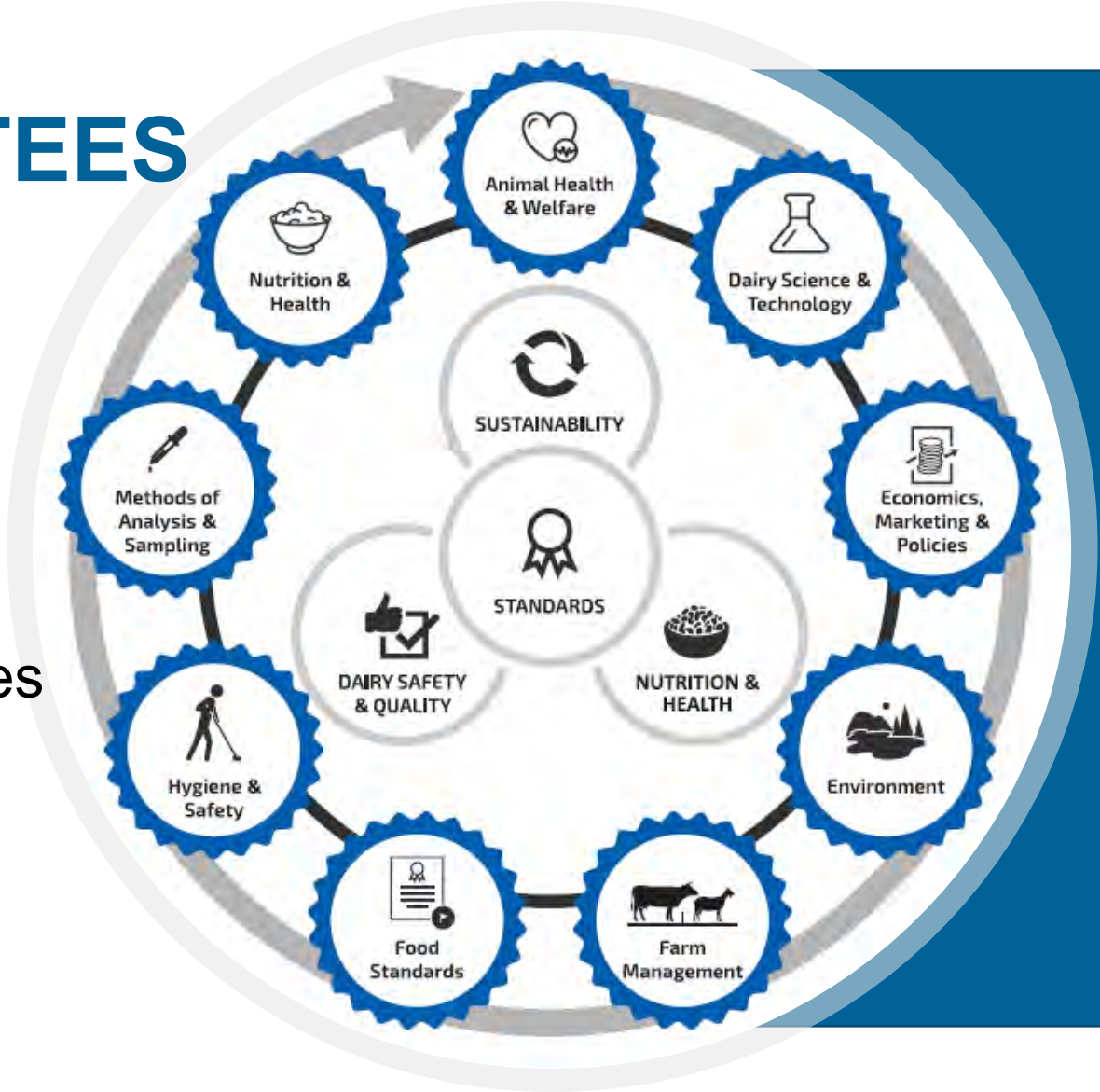
HARRIE VAN DEN BIJGAART (NL)

PURPOSE

Building topical guidance on the proactive management of chemical contaminants in dairy chains through creating a central IDF repository

INVOLVED IDF STANDING COMMITTEES

- **Residues and Chemical Contaminants**
- Farm Management
- Microbiological Hygiene
- Analytical Methods for Additives and Contaminants



CANDIDATE TOPICS

Disinfectants/detergents

- **Chlorate**
- Perchlorate
- **Other disinfectants/detergents (e.g. iodine, chlorhexidine, quaternary ammonium compounds, phosphonates**

Contact materials

- **Contaminants migrating from contact materials (e.g. phthalates)**
- **Mineral oil hydrocarbons and lubricants**

Veterinary drugs

- Antimicrobials
- Antiparasitics
- Hormones
- Analgesic and anti-inflammatory drugs (e.g. painkillers and NSAIDs)

Remedies against vermin

- Rodenticides
- Pyrethroïds

Pesticides

- Organochlorine pesticides
- Organophosphates
- Carbamates
- Glyphosate/AMPA/Glufosinate

Environmental contaminants

- **Dioxins , PCBs and furans**
- Polycyclic aromatic hydrocarbons
- **Perfluoro alkylated substances (PFASs) – PFOS, PFOA etc**
- **Heavy metals (lead, cadmium, arsenic, mercury) and other toxic metals**
- Radionuclides

Toxins

- **Mycotoxins (e.g. aflatoxin M1)**
- Bacterial toxins
- Phytotoxins, e.g. pyrrolizidine alkaloids
- Phycotoxins and other marine biotoxins

Additives

- Nitrification inhibitors, e.g. DCD, DMPP
- Methane Inhibitors
- Feed/food additives

Other

- Nanomaterials
- **Microplastics**

……

ORGANISATION OF THE WORK

- Subgroups per topic/deliverable
- Collecting/using available materials and capitalizing on available expertise in the IDF network – No need to work from scratch
- Documents provided as confidential will be kept as such in the subgroup!
- Decision on involvement of external experts on a case by case basis

CHLORATE

- Contributors

  Stewart Davey (AU), Helen Dornom (AU), Karin Kraehenbühl (CH), Jean-Michael Steils (DE), Choreh Farrokh (FR), Bernadette O'Brien (IE), Harrie van den Bijgaart (NL), Ingrid Haug (NO), Justin Bendall (NZ), Luisa Candido (UK), Melanie Hargraves (UK), Nate Banner (US), Allen Sayler (US),

- Coordinator: Karin Kraehenbühl (CH)
- Amended versions of Technical Paper ready for approval by SC RCC
- Draft Factsheet ready for approval by SC RCC and subsequent circulation to other involved SC's and IDF NC's

DETERGENTS, DISINFECTANTS, TEAT DIPPING AGENTS

- Contributors

  Hein Timmerman (BE), Karin Kraehenbühl (CH), Jean-Michael Steils (DE), Ole Madsen (DK), Esa Manninen (FI), François Bourdichon (FR), Annick Delaby (FR), Choreh Farrokh (FR), David Gleeson (IE), Bernadette O'Brien (IE), Jan Kerkhof (NL), Edward Sliwinski (NL), Gavin Scott (NZ), Nate Banner (US), Jesse Hines (US), Robbin Koenig (US)
- Coordinators: Karin Kraehenbühl (CH) & Robbin Koenig (US)
- Kick-off on 5 November 2020, aiming for Bulletin paper and IDF Factsheet(s)
- Scoping
  - On – farm
  - Processing

Candidate substances for the scope:

- Ionic surfactants
- Phosphates
- QAC's
- Polycarboxylates
- Polycarbonates
- NPE's
- Chlorines
- Iodines
- Iodophores
- Chlorhexidine
- Enzymes
- Hydroxides
- Acids
- Hydrogen peroxide/ peracetic acid
- ……

NEXT STEPS

- Covering both on-farm and processing, with possible differentiation in comms
- Collecting available materials from IDF network/own networks
- Summarize key points for all substances in overview table
- Rank on likelihood of occurrence in dairy products and concerns in terms of safety/health and regulatory
- Substances with highest ranking to be worked out in more detail

- Working sessions on alternating moments during the day

PLANNED DELIVERABLES

Short practical advise

Key message (summary)

Background

Sources and spreading

Occurrence in milk, dairy products and other food

Toxicity, exposure and health risks

Prevention and control

- **Good practice**

Legislation (global)

Detection methods (brief)

Conclusions

Few references

Technical papers

Draft outlines

Summary

Background (including history)

Sources and spreading

Occurrence including milk and dairy products and other food, carry-over

Toxicity, exposure and health risks

Dietary risk assessment

Prevention and control

Data on occurrence

Legislation (in different geographies)

Detection methods (detailed)

Conclusions

References

C49 CHEESE - GUIDANCE ON SAMPLE PREPARATION FOR PHYSICAL AND CHEMICAL TESTING

- In 2018 accepted as an IDF Work Item.
- The majority of AT work has been done in advance to AW’19.
- In 2019 accepted as an ISO WD
- SCAMC resolution to proceed to CD, if comments after circulation are minor.
- In 2020 accepted as an ISO CD.
- SCAMC resolution to proceed to DIS.

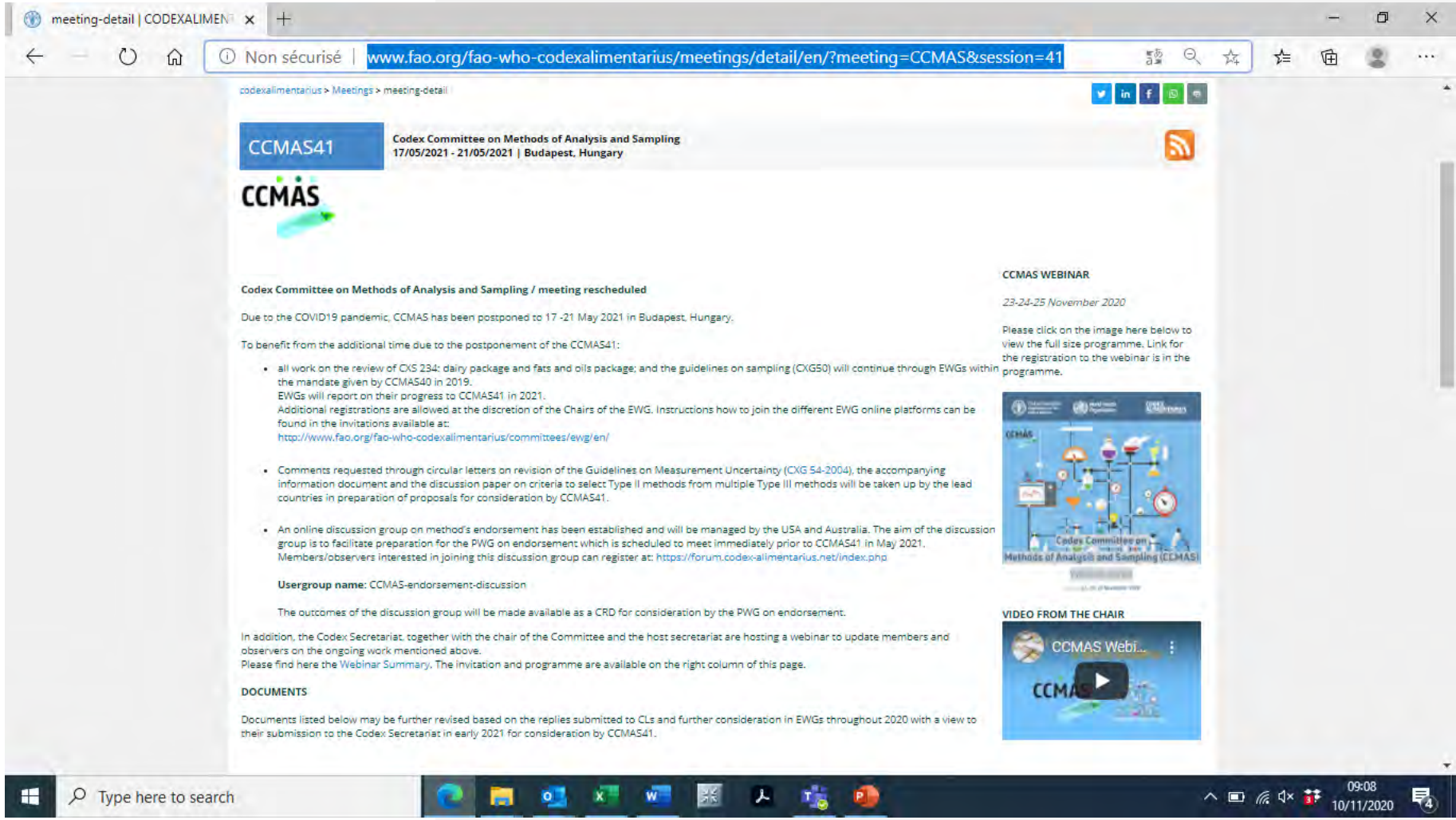
C49 CHEESE - GUIDANCE ON SAMPLE PREPARATION FOR PHYSICAL AND CHEMICAL TESTING

- Standard is meant to give a guideline for sample preparation steps. There were some gaps between ISO 707|IDF 50 and the analytical standards.
- The procedures for several cheestypes are defined.
- Clear definations of the parts of the cheese are used out of CODEX Standard 283 1978.
- To be more clear about what parts of the cheese should be removed before analysis the definition “non-edible” is added.

CCMAS 2021

- Aurélie Dubois

Webinar 23, 24
And 25 November



http://www.fao.org/fao-who-codexalimentarius/meetings/detail/en/?meeting=CCMAS&session=41

DEVELOPMENT OF HORIZONTAL STANDARD IN ISO, CEN , AOAC OF RELEVANCE FOR THE DAIRY SECTOR

Potential overlap and expertise CEN/TC 302 (Milk and milk products) and CEN/TC 275 (Food analysis – Horizontal methods). Timo Kapp (convenor TC 275/WG 10) is liaison with TC 302. Hans Cruijsen and Eric Poitevin members of TC 275 WG 10 horizontal WG “Elements and their chemical species”

Minerals and trace elements in food, liaison with CEN/TC 275/WG 10

- EN-ISO 15151 | IDF 229 (minerals and trace elements) ICP –AES method published
- EN-ISO 15151 | IDF 229 (minerals and trace elements) ICP-MS method published
- EN-ISO 20647 | IDF 234 (Iodine) ICP-MS method published

DEVELOPMENT OF HORIZONTAL STANDARD IN ISO, CEN , AOAC OF RELEVANCE FOR THE DAIRY SECTOR

Minerals and trace elements in food, liaison with CEN TC275 WG-10

- Heavy metals Question: should IDF/ISO take over EN 15763 – Foodstuffs - Determination of trace elements - Determination of arsenic, cadmium, mercury and lead in foodstuffs by ICPMS after pressure digestion? arsenic mass fraction ranging from 0,06 mg/kg to 21,5 mg/kg dry matter (d. m.), cadmium ranging from 0,03 mg/kg to 28,3 mg/kg d. m., mercury ranging from 0,04 mg/kg to 0,56 mg/kg d. m. and lead from 0,01 mg/kg to 2,4 mg/kg d. m. In foodstuffs such as carrots, fish homogenate, Mushrooms (CRM), graham flour, simulated diet (CRM) scampi, mussel and Tort 2 CRM.

- New work item: determination of the elements Ag, As, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Ti, U, Zn in food (ICP-MS) after pressure digestion based on EN 13805. Collaborative study has been performed in Germany (13 labs) and another 5 labs from Europe on Milk powder ERM BD 150; on fish liver; oyster, wheat noodles, celeriac, cocoa, curly kale, banana, pig liver, black currant juice. Time line publication in progress as DIN standard in German (oct 2020) afterward transfer and translation to EN standard.

DEVELOPMENT OF HORIZONTAL STANDARD IN ISO, CEN , AOAC OF RELEVANCE FOR THE DAIRY SECTOR

liaison with AOAC

- MCPD in infant formula, collaborative studies ongoing for 2 first action status methods: AOAC 2018.02 (SGS-Germany); AOAC 2018.03 (Nestle, Switzerland) expected 2021.

- Glyphosates
  - AOAC Working Group call on October 29, 2020 (34 participants)
  - Preparing SMPR (standard method performance requirements)

- Chlorates in Infant formula and dairy ingredients,
  - EURL-SRM project on milk and infant formula QUPPe method to analyse high risk pesticides and chlorate and perchlorate added to the scope (results under evaluation)
  - Preliminary interlaboratory study on infant formula, WPC's, part hydrolysate soy
  - call for participants in ring trial organized by NIST
  - Call for participant in working group to develop SMPR (requirement doc)

4. PROGRAM OF WORK

For information (Published or close to completion)

Project A05 ***S. Holroyd (NZ) & Th. Delatour (CH)***	***Milk, milk products and infant formulae — Determination of melamine and cyanuric acid by liquid chromatography and tandem mass spectrometry (LC-MS/MS)***
Answers expected from CEN project leader, before publication	
Project A12 **K Kraehenbuehl (CH)/P Jamieson (NZ)**	***Milk and milk powder — Determination of aflatoxin M_1 content — Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography***
Next step: publication	
Project A13 **J Bendall (NZ)**	***Determination of nitrofurazone in dairy products***
PUBLISHED	https://store.fil-idf.org/product/iso-22186-i-idf-245-milk-and-milk-products-determination-of-nitrofurazone/ https://www.iso.org/obp/ui/#iso:std:iso:22186:ed-1:v1:en

PROJECT A13 DETERMINATION OF NITROFURAZONE IN DAIRY PRODUCTS

- J. Bendall (NZ), K. Kraehenbuehl

BACKGROUND

- Nitrofurazone is a banned drug (cancer-causing)
- The test methodology being used for nitrofurazone was developed for meat, and the marker metabolite (semicarbazide) was non-specific.
- In dairy products, semicarbazide would form during warm storage, and finding that would disrupt trade.
- New test methodology was developed that was specific and looked for intact nitrofurazone.
- Collaborative study examined the method, and also addressed key questions about stability of nitrofurazone in milk and dairy products

STANDARD IS NOW PUBLISHED

INTERNATIONAL STANDARD

ISO 22186

IDF 245

First edition
2020-09

Milk and milk products — Determination of nitrofurazone

Lait et produits laitiers — Détermination de la nitrofurazone

Reference numbers
ISO 22186:2020(E)
IDF 245:2020(E)

https://store.fil-idf.org/product/iso-22186-i-idf-245-milk-and-milk-products-determination-of-nitrofurazone/

https://www.iso.org/obp/ui/#iso:std:iso:22186:ed-1:v1:en

THANK YOU TO EVERYBODY INVOLVED

- Participating Laboratories (5) for Pilot Study
- Participating Laboratories (13) for Collaborative Study
- SCAMAC
- S01
- ISO/TC 34/SC 5, Marcel de Vreeze
- Jaap Evers

PROJECT A10
GUIDELINES FOR THE VALIDATION OF QUALITATIVE SCREENING METHODS FOR THE DETECTION OF RESIDUES OF VETERINARY DRUGS IN MILK AND MILK PRODUCTS

- V. Gaudin (FR) & W. Reybroeck (BE)

- **Ballot document - ISO/DTS 23758 | IDF/RM 251**

  deadline: 2020-10-29

ISO CD BALLOT: 22 VOTES CAST; RESULTS:

Answers to Q.1: "Do you approve the draft for publication?"		
11 x	Approval	Belgium (NBN) France (AFNOR) Hungary (MSZT) Ireland (NSAI) Italy (UNI) Kazakhstan (KAZMEMST) Netherlands (NEN) Poland (PKN) Rwanda (RSB) Serbia (ISS) Uganda (UNBS)
3 x	Approval with comments	Germany (DIN) New Zealand (NZSO) United States (ANSI)
0 x	Disapproval	
8 x	Abstention	Canada (SCC) Chile (INN) India (BIS) Iran, Islamic Republic of (ISIRI) Mexico (DGN) Sri Lanka (SLSI) Switzerland (SNV) United Kingdom (BSI)

Votes not cast:
Mauritania

PROJECT A15
GUIDANCE ON THE USE OF CERTIFICATE OF ANALYSIS FOR STANDARDS

- V. GAUDIN (FR)

- Objectives: An harmonised guidance for interpretation of CoA and the calculation of the active ingredient content for standards of veterinary medicines

STEPS

- Action Team meeting (7 April 2020): Presentation of document (Rev 1)
- Comments until end of May
- Expanding the scope to include COAs beyond veterinary medicines (ie. Pesticides)
- Rev 2 prepared (to be sent to AT members (end of november)
- Meeting of a small group in May to work on the Excel file => delayed, to be planned 1st trimester of next year

PROJECT A16
FREQUENT ASKED QUESTIONS ON SCREENING FOR RESIDUES OF VETERINARY DRUGS

- W. Reybroeck (BE) (previously C. Baumgartner (DE)

FAQS

Goal: to give short explanations about the wording used in the field of residue analysis

- So far 78 questions were identified and sorted per category

- 22 persons agreed to participate actively

- The project leader will give an exemplary start for some of the answers

- In December the draft document will be circulated to the action team members with a request to indicate the questions they are willing to handle

FAQS

Category	Number	Examples
Definitions	13	natural inhibitors
Units	4	ppb
Application of drugs	7	effects of animal conditions: health, yield
Food safety	8	ADI, MRL
Testing	11	what is a microbiological inhibitor test
Sampling	3	how, when, where,… do I take a milk sample
Sample storage/pretreatment	3	can positive milk become negative during storage?
Testing	9	use of standards
Reading	5	reading of LFA
Interpretation of results	15	what is a false positive result?
TOTAL	**87**	

PROJECT A17
SCREENING AND IDENTIFICATION OF VETERINARY DRUGS

- W. Delatour (CH)

Developed and submitted by scientists at Nestlé Research (Lausanne, Switzerland) in response to an AOAC Call for Methods, the liquid chromatography tandem mass spectrometry approach is applicable for screening and confirming 105 antibiotic, 41 antiparasitic, 5 anti-inflammatory agents, and 3 tranquilizers in a broad range of food products, including milk-, meat-, and fish-based ingredients and processed products (skimmed milk powder, fat-filled milk powder, whey protein, lactose, casein, infant formula, infant cereals, and baby foods, among others). The method was approved on April 24, 2020, during AOAC's Analytical Methods Week.

"Screening 154 Veterinary Drug Residues in Animal Source Foods by LC-MS/MS" will be published in the *Journal of AOAC INTERNATIONAL* and *Official Methods of Analysis*.

5. WORK ITEMS UNDER CONSIDERATION

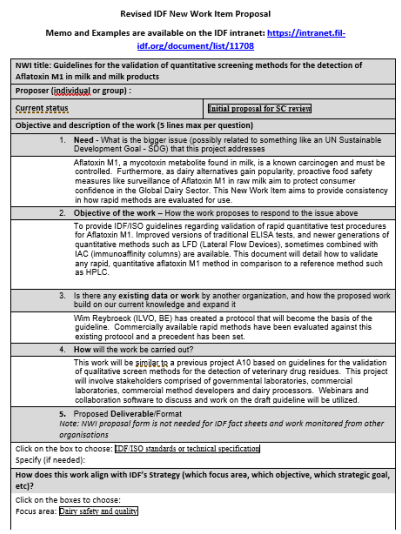
- Action Team leaders to report on their projects(s): progress, next steps, eventual concerns for SC input and endorsement.

6. OUTCOME OF ISO SYSTEMATIC REVIEW 2020 REQUIRING SCAMAC ATTENTION

7. NEW WORK ITEMS

PROJECT A18 (NWI)
GUIDELINES FOR THE VALIDATION OF QUANTITATIVE SCREENING METHODS FOR THE DETECTION OF AFLATOXIN M1 IN MILK AND MILK PRODUCTS

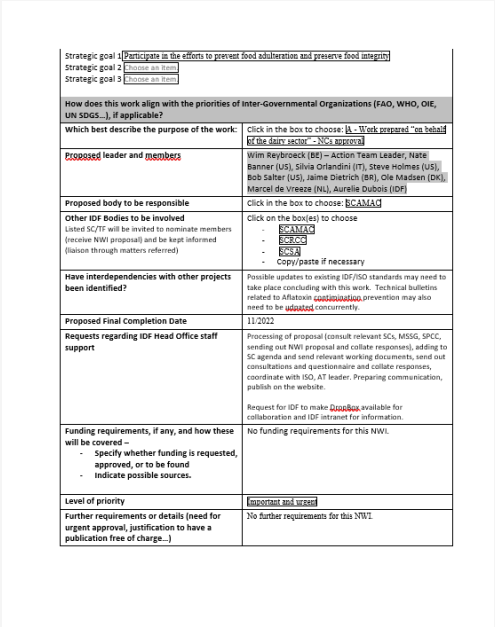
- Wim Reybroeck (BE) – Action Team Leader, Nate Banner (US), Silvia Orlandini (IT), Steve Holmes (US), Bob Salter (US), Jaime Dietrich (BR), Ole Madsen (DK), Marcel de Vreeze (NL), Aurelie Dubois (IDF)



Revised IDF New Work Item Proposal

Memo and Examples are available on the IDF intranet: https://intranet.fil-idf.org/document/list/11708

NWI title: Guidelines for the validation of quantitative screening methods for the detection of Aflatoxin M1 in milk and milk products
Proposer (individual or group) :
Current status: Initial proposal for SC review
Objective and description of the work (5 lines max per question)
1. **Need** - What is the bigger issue (possibly related to something like an UN Sustainable Development Goal - SDG) that this project addresses
Aflatoxin M1, a mycotoxin metabolite found in milk, is a known carcinogen and must be controlled. Furthermore, as dairy alternatives gain popularity, proactive food safety measures like surveillance of Aflatoxin M1 in raw milk aim to protect consumer confidence in the Global Dairy Sector. This New Work Item aims to provide consistency in how rapid methods are evaluated for use.
2. **Objective of the work** – How the work proposes to respond to the issue above
To provide IDF/ISO guidelines regarding validation of rapid quantitative test procedures for Aflatoxin M1. Improved versions of traditional ELISA tests, and newer generations of quantitative methods such as LFD (Lateral Flow Devices), sometimes combined with IAC (immunoaffinity columns) are available. This document will detail how to validate any rapid, quantitative aflatoxin M1 method in comparison to a reference method such as HPLC.
3. Is there any **existing data or work** by another organization, and how the proposed work build on our current knowledge and expand it
Wim Reybroeck (ILVO, BE) has created a protocol that will become the basis of the guideline. Commercially available rapid methods have been evaluated against this existing protocol and a precedent has been set.
4. **How** will the work be carried out?
This work will be similar to a previous project A10 based on guidelines for the validation of qualitative screen methods for the detection of veterinary drug residues. This project will involve stakeholders comprised of governmental laboratories, commercial laboratories, commercial method developers and dairy processors. Webinars and collaboration software to discuss and work on the draft guideline will be utilized.
5. Proposed **Deliverable**/Format *Note: NWI proposal form is not needed for IDF fact sheets and work monitored from other organisations*
Click on the box to choose: IDF/ISO standards or technical specification Specify (if needed):
How does this work align with IDF's Strategy (which focus area, which objective, which strategic goal, etc)?
Click on the boxes to choose: Focus area: Dairy safety and quality



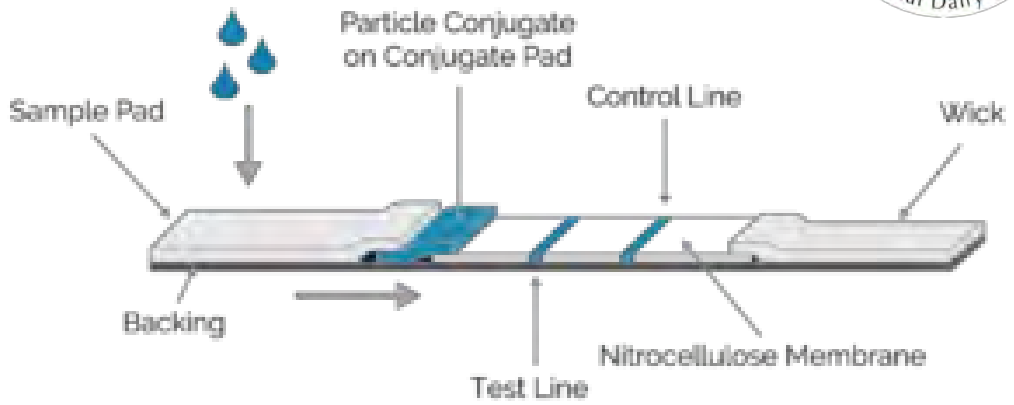
Strategic goal 1: Participate in the efforts to prevent food adulteration and preserve food integrity Strategic goal 2: Choose an item. Strategic goal 3: Choose an item.	
How does this work align with the priorities of Inter-Governmental Organizations (FAO, WHO, OIE, UN SDGs…), if applicable?	
Which best describe the purpose of the work:	Click in the box to choose: A - Work prepared "on behalf of the dairy sector" - NCs approval
Proposed leader and members	Wim Reybroeck (BE) – Action Team Leader, Nate Banner (US), Silvia Orlandini (IT), Steve Holmes (US), Bob Salter (US), Jaime Dietrich (BR), Ole Madsen (DK), Marcel de Vreeze (NL), Aurelie Dubois (IDF)
Proposed body to be responsible	Click in the box to choose: SCAMAC
Other IDF Bodies to be involved Listed SC/TF will be invited to nominate members (receive NWI proposal) and be kept informed (liaison through matters referred)	Click on the box(es) to choose - SCAMAC - SCRCO - SCSA - Copy/paste if necessary
Have interdependencies with other projects been identified?	Possible updates to existing IDF/ISO standards may need to take place concluding with this work. Technical bulletins related to Aflatoxin contamination prevention may also need to be updated concurrently.
Proposed Final Completion Date	11/2022
Requests regarding IDF Head Office staff support	Processing of proposal (consult relevant SCs, MSSG, SPCC, sending out NWI proposal and collate responses), adding to SC agenda and send relevant working documents, send out consultations and questionnaire and collate responses, coordinate with ISO, AT leader. Preparing communication, publish on the website. Request for IDF to make DropBox available for collaboration and IDF intranet for information.
Funding requirements, if any, and how these will be covered – - **Specify whether funding is requested, approved, or to be found** - **Indicate possible sources.**	No funding requirements for this NWI.
Level of priority	Important and urgent
Further requirements or details (need for urgent approval, justification to have a publication free of charge…)	No further requirements for this NWI.

RAPID METHODS FOR AFLATOXIN M1

REVISION OF ISO 14675|IDF 186:2003

Previous standard from 2003 only focused on ELISA technology

Advancements in immunochromatographic assays (lateral flow technology) now allow dairy laboratories to quantify the presence of Aflatoxin M1 with single step assays



Action team identified current gap

Prepared draft New Work Item analogous to project A10 on rapid methods for the detection of veterinary drugs

NEW WORK ITEM – A18

8. ANY OTHER BUSINESS

9. OBJECTIVES OF SCAMAC

- Preparing and promoting standardized methods covering but not limited to:
  - Veterinary drug residues (antibiotics, antiparasitic agents, anti-inflammatory substances and others)
  - Pesticides (insecticides, fungicides and herbacides)
  - Aflatoxin M1 and other mycotoxins
  - Vitamins
  - Nitrate, nitrite, phosphorus, chloride and other inorganic or organic compounds relevant as additives and contaminants for milk and dairy products

9. OBJECTIVES OF SCAMAC

- Review and establishment of IDF policy with respect to:
  - Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF)
  - Codex Committee on Methods of Analysis in Sampling (CCMAS)
  - In cooperation with SCRCC (IDF)

- Monitor work within other international organizations
  - ISO/TC34/SC5
  - NMKL
  - AOAC
  - USP

10. ELECTION OF DEPUTY CHAIR

- Aurélie Dubois

11. REVIEW OF DECISIONS AND ACTIONS FROM MEETING

12. CONFIRMATION OF COORDINATING COMMITTEE MEMBERS

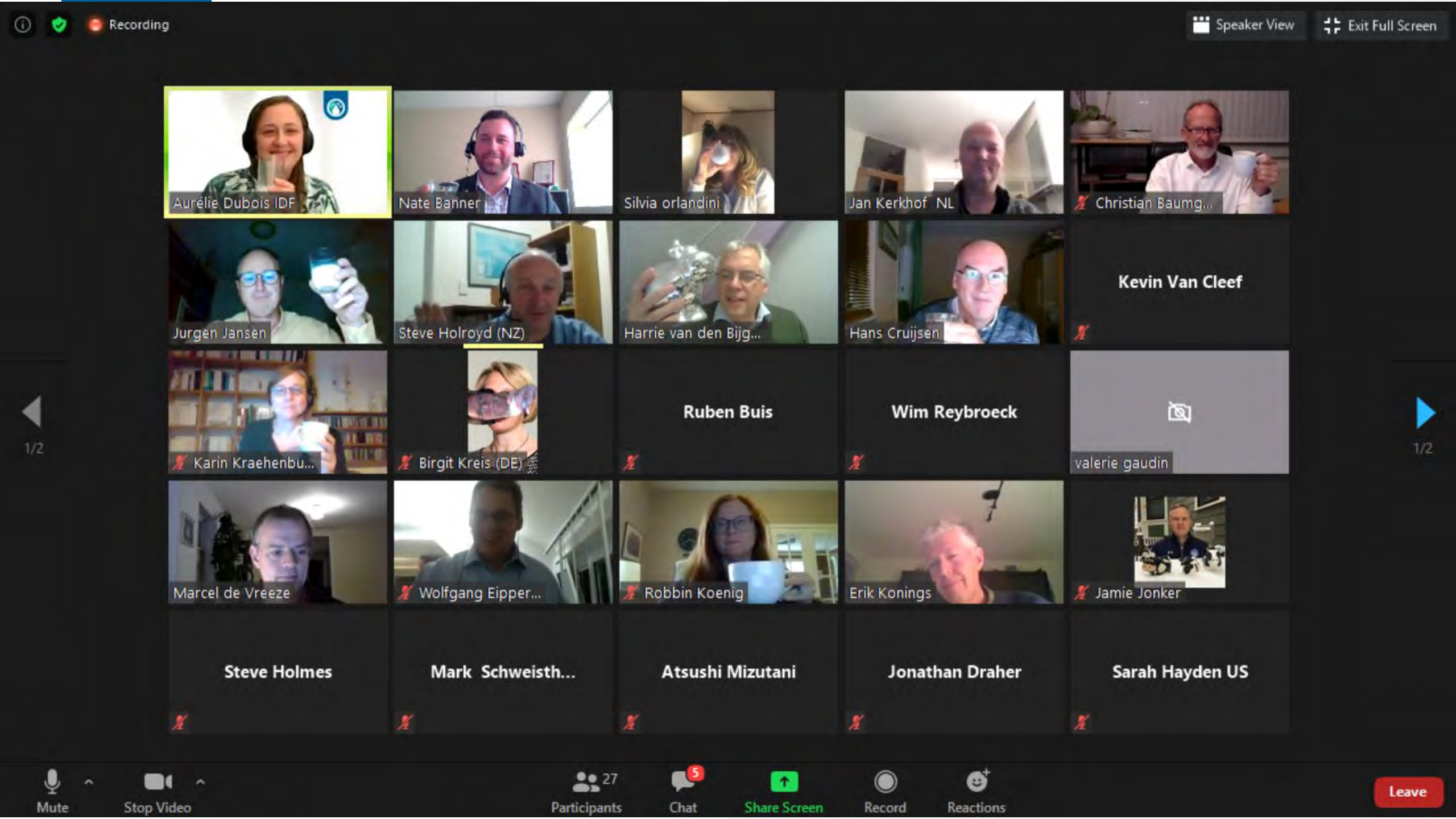
- Coordinating committee members to be confirmed: S. Holroyd (NZ)

13. DATE AND PLACE OF NEXT MEETING

- Virtual meeting April 2021
- Virtual meeting Sept/Nov 2021
- IDF/ISO Analytical Week, Konstanz, Germany, 25-28 April 2022

14. CLOSE

- Virtual milk toast to good health and well being!
- Please turn on your camera if you are able
- Thanks for participating, and stay safe


Recording
Speaker View
Exit Full Screen
Aurélie Dubois IDF
Nate Banner
Silvia orlandini
Jan Kerkhof NL
Christian Baumg...
Jurgen Jansen
Steve Holroyd (NZ)
Harrie van den Bijg...
Hans Cruijsen
Kevin Van Cleef
1/2
Karin Kraehenbu...
Birgit Kreis (DE)
Ruben Buis
Wim Reybroeck
valerie gaudin
1/2
Marcel de Vreeze
Wolfgang Eipper...
Robbin Koenig
Erik Konings
Jamie Jonker
Steve Holmes
Mark Schweisth...
Atsushi Mizutani
Jonathan Draher
Sarah Hayden US
Mute
Stop Video
27
Participants
5
Chat
Share Screen
Record
Reactions
Leave

GLOBAL DAIRY EXPERTISE SINCE 1903

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US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Nick Gardner	**Date:**	11/23/2020		
IDF Meeting:	Task Force Protein from a Dairy Perspective	**Meeting Date:**	11/9/2020		
Key Participants:	Nick Gardner (US), Thom Huppertz (NE), Steve Holroyd (NZ), Miquela Hanselman (US), Melanie Grivier (FR), Camille Carvahalo (FR), Christopher Fuerer (CH), Edward Sliwinski (NL), Harrie Van Den Bijgaart (NL), Jenny Campbell (NZ), Jeremy Hill (NZ), Lien Calleweart (BE)				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. CCNFSDU work on Nitrogen Conversion Factor (NCF) was a main topic of discussion\. IDF developed a position and submitted it to the CCNFSDU electronic working group early on to inform the position of others. It has been downloaded 38 times by different delegations, which means that delegations are at least reviewing the information. The other positions have been downloaded between 15 to 24 times, which shows IDF has had good IDF has developed document assessing all country responses to determine alignment with IDF position. This will be provided with the KIT sheet. UK, UNICEF, Brazil, Chile do not share the IDF position and were noted as potential concerns and targets for outreach. A plan to approach them will be developed by IDF and shared with members of the AT. NZ will confirm the status of the electronic working group (eWG) on follow up formula and how/when NCF will be considered as part of the work. There was agreement to wait for all eWG responses and to evaluate outreach thereafter. Several TF members suggested considering that the status quo is the likely outcome if all things remain equal and encouraged that IDF evaluate risks of any moves from here on out. IDF outreach will be evaluated once eWG responses are tabulated and analyzed.				
	2. Protein transition: Project is focused on development of two mythologies—first looking at protein quantity, and now the focus needs to turn to protein quality mythology. The TF discussed how to assess knowledge gaps and assumptions, suggesting that a gap analysis and completion of a list of the assets of dairy protein in various applications would be good next steps. IDF's goal in the project was also discussed. The TF needs to determine what it wants to communicate, e.g., the nutrition, structural value, sanitary attributes or other values. Members suggested keeping options open including what is examined so that the TF does not just focus on amino acid analysis. It was agreed that the TF would keep discussing how to define protein in simple manner that allows for storytelling. IDF staff will provide some suggestions on actions in minutes and organize another TF call to discuss in 2021 with a key goal to have input on protein into the Food Systems Summit.				

	3. A presentation by Dr. Paul Moughan PhD of the Riddet Institute at Massey University was provided. This research will be published in the near future. Given how techincal the information is, I am providing the slides with this KIT sheet rather than trying to interpret them here.
	4.
Define Program Area or Committee Tie-In:	

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			
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Riddet Institute
ADVANCING FRONTIERS IN FOOD SCIENCE

IDF Task Force on Protein | Webinar, 10 November 2020

Dietary Protein Quality: the role of animal-based proteins

Paul Moughan PhD, DSc, Hon DSc, FRSNZ, FRSC
Riddet Institute, Massey University, Palmerston North

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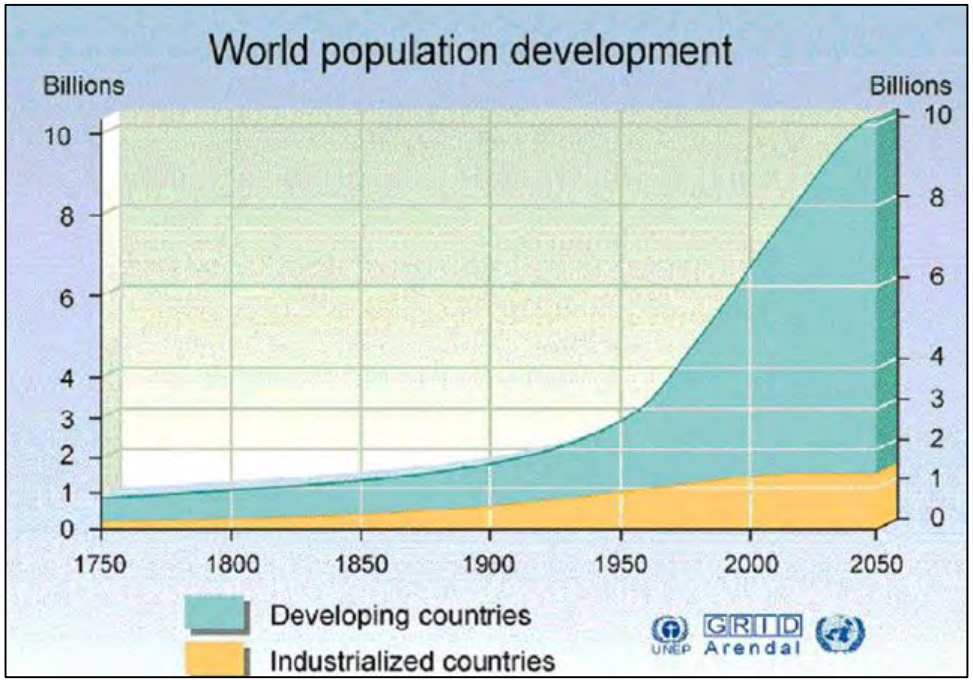
The world faces a major challenge in food production and environmental sustainability over the next 30 years.

Population Growth



- It is estimated that the world needs to produce 70% more food by 2050.

  AND not just more food but nutritionally better food in an environmentally acceptable manner.

- Burgeoning middle class will demand more animal proteins (milk, meat, eggs, fish)

Already:

"World-wide 842 million people are undernourished. Protein/Energy Malnutrition is by far the most lethal form of malnutrition – Children are its most visible victims"

WHO (2001)

At the same time:

There is an "obesity epidemic" world-wide.

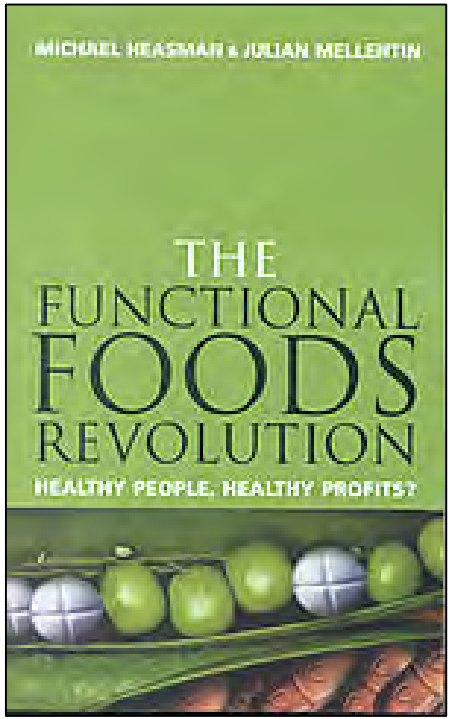
The Metabolic Syndrome is seen increasingly in both developed and developing countries

- Obesity
- High blood pressure
- Type II diabetes
- Cardio-vascular disease

These are largely **preventable** conditions (diet/lifestyle)

High-protein foods are central to prevention:

- Awareness of role of protein in satiety and body muscle metabolism.
- High-protein “weight loss” foods and diets.
- High-protein diets for elderly (sarcopenia).
- Estimates of protein requirement being revised upwards



This means an increasing global demand for food protein.

With Increased Demand for Protein:

Dietary Protein Quality is of fundamental importance

Not all proteins are equal nutritionally

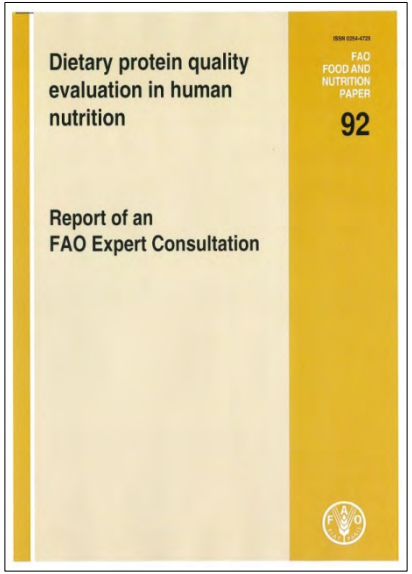
- Milk
- Soya
- Fish
- Meat
- Egg
- Bean
- Peas
- Cereal
- Pulses etc

Vegetable-based proteins are of lower quality than animal-based proteins

- Plant proteins : less digestible
- Plant proteins : lower amounts of key amino acids – thus less able to be utilized by body

Recently new systems of describing Protein Digestibility and Utilizability (Protein Quality) have been endorsed by the FAO:

- True (pig) ileal amino acid digestibility versus faecal (rat) crude protein digestibility.
- Un-truncated Digestible Indispensable Amino Acid Score (DIAAS) versus Truncated Protein Digestibility Corrected Amino Acid Score (PDCAAS)
- DIAAS captures both digestibility and utilization.
- Proteos project (led by GDP) to validate pig assay; generate ileal AA digestibility data; populate a global database of DIAAS values.



PDCAAS undervalues animal proteins and overvalues plant proteins

	Milk Protein Concentrate	Whey Protein Concentrate	Whey Protein Isolate	Meat	Soya Protein Isolate	Pea Protein	Cooked Beans	Cooked Rolled Oats	Wheat Bran	Roasted Peanuts	Rice Protein	Cooked Peas	Wheat
Current values	1.00	1.00	1.00	1.00	1.00	0.84	0.65	0.67	0.53	0.51	0.42	0.60	0.55
New Method (DIAAS)	1.30	1.33	1.25	1.10	0.97	0.73	0.58	0.54	0.41	0.43	0.37	0.58	0.50

[1](Rutherfurd and Moughan, unpublished data).

1.30 means protein supplies 30% extra amino acids
0.50 means protein supplies only 50% of the required amino acids

DIAAS leads to very different conclusions about proteins

Does it matter?

Yes

> Simplistic analyses lead to wrong conclusions – **FAKE NEWS.**

BUSINESS

PREMIUM

Protein technology to collapse animal farming within 10 years: new report

8 Oct, 2019 5:52pm

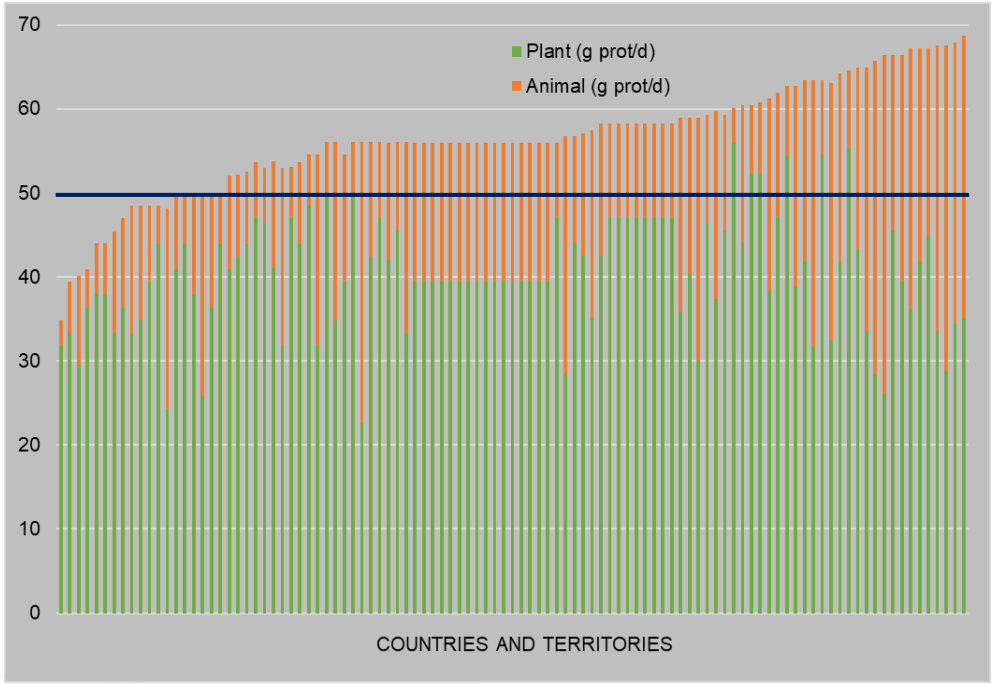
6 minutes to read

Plant-based "meat" has already started disrupting the animal meat market.

By: **Andrea Fox**
Herald business writer based in the Waikato
andrea.fox@nzme.co.nz

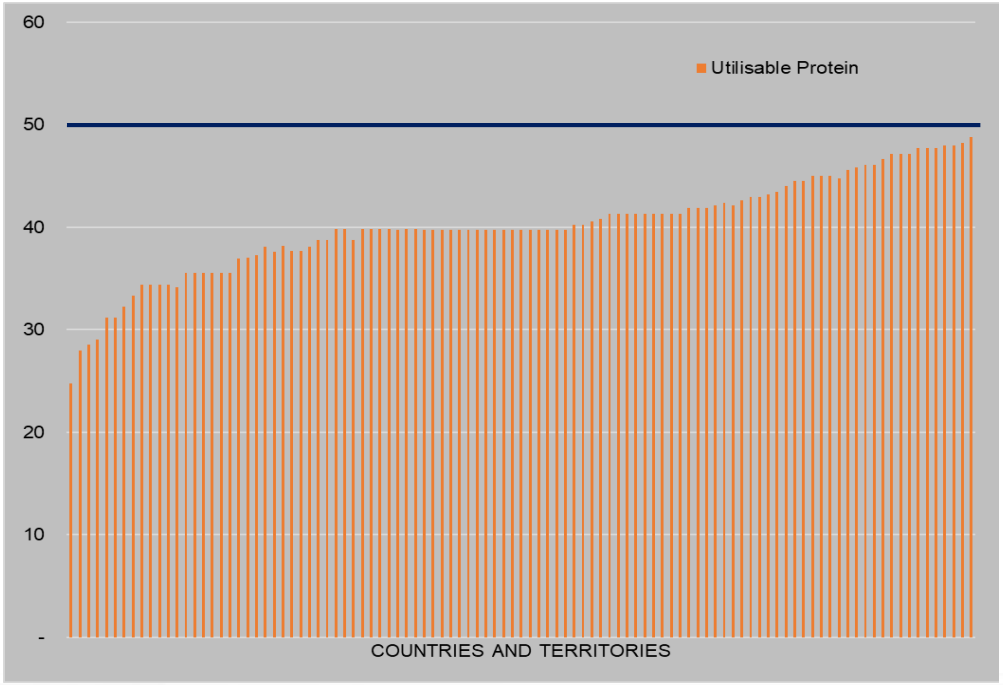
A new report forecasts the world is on the cusp of the fastest disruption to agricultural production for 10,000 years in a shift that could threaten New Zealand's key primary exports.

Average daily per capita protein consumption relative to average daily protein requirement (developing countries and territories, uncorrected for protein quality)

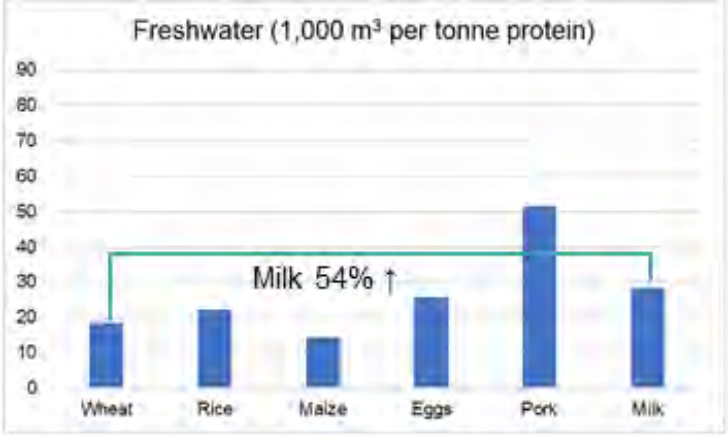


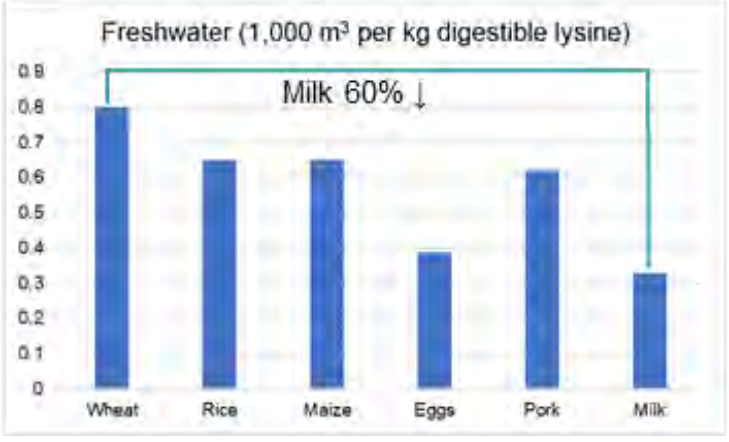
Total Protein

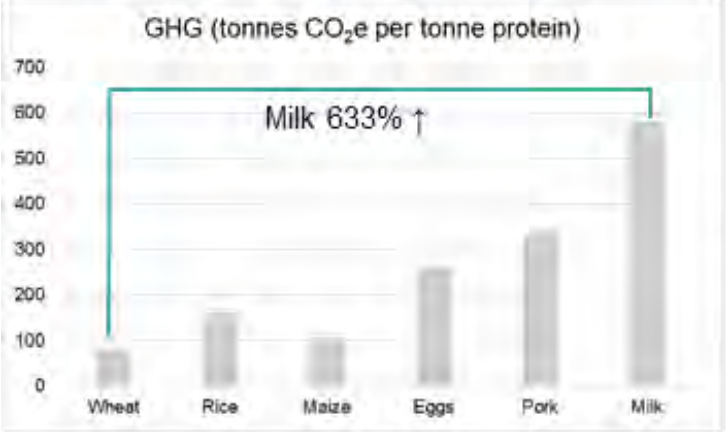
Average daily per capita protein consumption relative to average daily protein requirement (Developing countries and territories, corrected for utilizability, DIAAS)

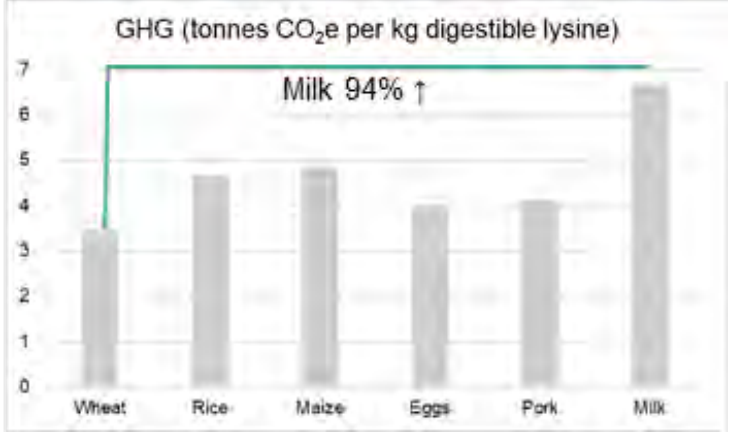


Environmental Footprints









Conclusion

- Animal-based proteins have an important role in providing balanced nutrition for humans.
- Animal-based proteins are not only important for dietary amino acid supply, but also for supply of critical vitamins and minerals.
- Animal-based proteins have superior protein quality and nutrient availability, which needs to be considered in any discussion of sustainable food production.

Conclusion *(continued...)*

- Protein quality must be considered when evaluating dietary protein supply wherever total protein intake is close to the requirement (developing countries).
- Protein quality must be considered when comparing environmental footprints of protein foods.
- Protein quality must be considered wherever energy intakes are low (ie, diet/weight loss, elderly, performance sports, illness).

Thank you

US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Ying Wang	**Date:**	Nov 30, 2020		
IDF Meeting:	SCENV	**Meeting Date:**	Nov 12, 2020		
Key Participants:	Ying Wang, Nicole Ayache, Jamie Jonker *(apologies if additional members are missing)*				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. DDOR: SCENV and SCNH have been working on defining qualitative and quantitative indicators for SDGs 2,3,12 and 13. A communication strategy from 2021 has also been developed (see presentation for details in the link)				
	2. **AT LCA Monitoring** – need to work on the difference between existing standards (ISO, IDF guidelines, Dairy PEFCR, LEAP) and existing carbon (and maybe LCA) tools as well as means to ensure a wider distribution of the methodology. Actions: IDF HO to arrange a meeting for the scope of work of the Action Team, and to put a plan in place				
	3. **IDF Ecosystem Services** – link AT Chair gave a thorough presentation of the consultation done with NCs. The ES topic is certainly gaining a growing attention at scientific level, more interest at business but still low knowledge at public levels. Some of the comments shared: how to bring this info to the IDF membership? What are the opportunities, could we focus on some positive aspects for dairy? Actions: Some of the potential next steps were discussed: - Prepare an IDF document with the NWI - Identify the main challenge for dairy sector - Methodology to measure (link to LCA?) - Monitor a particular ES? - Share case studies - Support further research studies IDF HO to arrange a meeting for the scope of work of the Action Team				

	4. **Sustainable healthy diets** – link A NWI on Sustainable Healthy Diets is being prepared between SCNH and SCENV. The goal of this work item proposal is to find an acceptable indicator considering both the ecologic effects of food production and the (nutrient) quality of foods, The work is led by Stephan Peters (Chair SCNH). Many comments were shared by participants regarding the importance of the subject but also the sensitivity as not only dairy but all foods should be considered. Is there a risk to be beyond IDF expertise? We need to define what could be done by IDF before the Food System Summit. Actions: the NWI was sent to SPCC and NC for comments. If the NWI proposed by SCNH is approved by SPCC, IDF HO to set a call with SCENV members to express potential concerns and to define which collaboration would be possible.
Define Program Area or Committee Tie-In:	

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Timeline/Deadline			
Budget Commitment			

Forward to Deb Wendorf Boyke <DWBoyke@cdr.wisc.edu> when completed within one month of meeting.

US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Jamie Jonker	**Date:**	December 1, 2020		
IDF Meeting:	SCFM	**Meeting Date:**	November 13, 2020		
Key Participants:	Jamie Jonker, Emily Yeiser Stepp, Chris Allen, Danielle Quist				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. 2020/21 IDF Dairy Farmer Roundtable. Two webinars have taken place, "Future Markets for Dairy Products - what impact does COVID-19 have?" on September 22nd and the "Farmers Roundtable I" on October 19th. The invitations for the third webinar ("Farmers Roundtable II – November 25th") have been sent. A fist webinar in a series on animal feeding , "Trends in animal feeding", is scheduled for December 9th. U.S. relevance: • Dairy farmer leaders from countries such as AU, NZ, CA, Japan, and EU will virtually attend and discuss common issues • Marilyn Hershey (DMI Chair and Land O'Lakes member) is a panel participant has been invited to participate for the U.S.				
	2. Continuing work on Reproductive Technology factsheets as a joint project with SCFM. Two factsheets on Reproductive Hormones and Genomics have been published. The next two factsheets on Artificial Insemination and Embryo Transfer have been distributed for comment. U.S. relevance: • Jamie Jonker is the Action Team lead • The factsheets, being IDF publications, may be used with the dairy value chain as an authoritative source of scientific information				
	3. Automatic milking machines. The Action Team on Milking Machines and Methods is discussing comments on ISO documents from the Committee - ISO/TC 23 on Automatic milking installations and Milking machine installations. There have been recent new findings in the area of milk extraction, how to comply with ISO documents and how to interpret ISO standards given new technological possibilities. U.S. relevance: • Automatic milking machine installations are increasing in the U.S.				
Define Program Area or Committee Tie-In: SCAHW					

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared
IDF Dairy Farmer Roundtable	Jamie Jonker	Marilyn Hershey	
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared

Reproductive Factsheets	Jamie Jonker	Miquela Hanselman	
Timeline/Deadline			
Budget Commitment			

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US-IDF Keep in Touch (KIT) Sheet

Please complete one of these forms for each key discussion/event/meeting in which you participate. This will help to provide documentation and allow follow-up by the appropriate individuals and organizations.

Name:	Jamie Jonker	**Date:**	December 1, 2020		
IDF Meeting:	SCAHW	**Meeting Date:**	November 9, 2020		
Key Participants:	Jamie Jonker, Emily Yeiser Stepp, Miquela Hanselman, Chris Alan				
Key Points/ Relevance to U.S. industry (e-mail documents or provide links)	1. Management of calves from birth to weaning. An initial webinar was held on April 22, 2020 with presentation on calf-rearing systems from Europe where the calf remains with the dam for an extended period of time. A second webinar was held on October 27, 2020 and included a Dr. Jennifer Van Os (University of Wisconsin) as a U.S. expert speaking on animal health and welfare outcomes from common U.S. based calf-raising systems. U.S. relevance: • This work was initially presented to bolster/legitimize a European marketing scheme where a calf remains with the dam for an extended period of time under the guise of IDF guidelines. Through USIDF work, the NWI was rewritten to focus on animal health and welfare outcomes for multiple calf-raising systems including those most commonly employed in the U.S.				
	2. Continuing work on Reproductive Technology factsheets as a joint project with SCFM. Two factsheets on Reproductive Hormones and Genomics have been published. The next two factsheets on Artificial Insemination and Embryo Transfer have been distributed for comment. U.S. relevance: • Jamie Jonker is the Action Team lead • The factsheets, being IDF publications, may be used with the dairy value chain as an authoritative source of scientific information				
	3. Heat Stress. A new action team on heat stress has been formed to examine best management practices. A new work item NWI has been approved and defined with the SCAHW. The goal is to have an IDF document that analyses the global analysis of heat stress and standard operating procedures, as well as IDF factsheets on good practices, and presents an opportunity for collaboration with FAO and OIE. U.S. relevance: • The U.S. has more the four decades of research, best practice, and system design to manage heat stress.				
	4. IDF Animal Health Report. The IDF Animal Health Report N°14 has been finalized, containing 17 articles and expertise from 11 different countries and 3 international organisations. US relevance: • The National Dairy FARM Animal Care Program highlighted the important role of the veterinarian in animal care.				
	5. New chair: David Kelton (CA) New deputy chair: Ilka Klaas (SE)				
Define Program Area or Committee Tie-In: SCFM					

Follow-Up/Next Step(s)

	Responsible		
Activity	Program Lead	Other	Shared

Management of calves from birth to weaning.	Emily Yeiser Stepp	Jamie Jonker Kayla Rink	
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Reproductive Factsheets	Jamie Jonker	Miquela Hanselman	
Timeline/Deadline			
Budget Commitment			
Activity	Program Lead	Other	Shared
Heat Stress	Jamie Jonker	Emily Yeiser Stepp	
Timeline/Deadline			
Budget Commitment			

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