



# IDF Leaders Brief

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*"IDF work is globally relevant and really sets the operating framework for the sector along the entire value chain from work on animal feeding, health and welfare to processing and products, and to consumers"*

Interview with **Jeremy Hill**, Newly Elected IDF President, on page 2.

## *New Protein Quality Assessment Discussed*

A new method for determining the quality of dietary proteins proposed by the Food and Agriculture Organization of the United Nations (FAO, Rome) was discussed at the Protein Quality Symposium Conference at the IDF World Dairy Summit in Cape Town, 8-12 November 2012.

This new method, called Digestible Indispensable Amino Acids Score (DIAAS), will measure the digestibility of individual essential amino acids (EAA) in the small intestine as opposed to the previous focus on digestibility of proteins that was determined over the total digestive tract. The new method will also include determination of bioavailable lysine.

Commenting on his presentation, Dr. Paul J. Moughan, Distinguished Professor and Co-Director of the Riddet Institute, New Zealand said "The high level of essential amino acids with high amino acids digestibility as well as the high lysine bioavailability in dairy proteins makes them a vital food ingredient for managing protein energy malnutrition and supporting growth in young children. Dairy proteins can be added to nutritional supplements currently used to prevent malnutrition and stunting. High quality proteins, such as those found in dairy, enable the use of a lower quantity of protein to meet dietary amino acid requirements. This is an excellent way to make the best use of current resources to prevent malnutrition."

With DIAAS, dairy proteins will have a protein quality measure 10-30% better than with the previous PDCAAS method. The proposed change in methods for protein quality assessment is significant to the entire food industry and particularly in the nutrition therapy of vulnerable groups.

The newly proposed DIAAS is expected to be published shortly by FAO. It heralds a sweeping change in how dietary protein quality is determined and described. "For the first time in many years, the superior quality of dairy proteins will be apparent. I encourage everyone in the industry to support the implementation of the new approach. DIAAS will demonstrate the true power of dairy proteins", said Dr. Moughan.

## Expert View



*Dr Jeremy Hill, newly elected IDF President, discussed the challenges ahead and the importance of a strong Federation such as IDF as well as the need for enhanced cooperation between global organizations.*

### What would you say are the main challenges ahead for our Federation?

Milk is the premier source of high quality nutrition for billions of people. Furthermore, the dairy supply chain provides a livelihood to millions who work within it. We should also be very proud of the role IDF has played for over 100 years in helping to build this industry. However, IDF will need to change and adapt to the challenges and forces that will shape the future of the dairy sector. The key challenges ahead relate to:

- The organization itself including retaining membership and global representation; the skills, capacity and availability of our experts; the aging demographic of participants; and finally funding.
- Challenges within the dairy sector such as globalization of the industry and cross border trade; consolidation; major changes in global demand and volatility.
- General challenges including nutrition, sustainability, food safety, food security, and analytical advances outpacing regulations, to name but a few.

### What would be a key accomplishment that you would hope to achieve during your presidency?

I am really looking to focus on a handful of interrelated opportunities that I hope by the end of my tenure will

have strengthened IDF. Accomplishments should include a stable, committed and involved membership in IDF activities; an expanded global reach and influence through increased membership and partnerships with like-minded organizations, a solid sustainable financial position; and improved communications.

### How will the IDF support the dairy sector in facing its current challenges?

Much of the work that IDF does is aimed at creating the optimum environment in which the sector does business. Although IDF cannot directly influence some of the major challenges facing the dairy industry, by increasing the effectiveness and efficiency of the whole chain we increase the ability of our sector to cope with such challenges.

Other significant challenges relate to the horizontal issues of nutrition and sustainability, which are intimately linked. IDF will play a critical role in enabling the sector to demonstrate the importance of dairy's contribution to nutrition for both developed and emerging nations and our sustainability credentials. This will not be easy and will take a concerted effort by IDF and our partners.

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### A final word on why experts should get involved in the work of IDF?

Being an 'IDF Expert' opens up a world of opportunities because IDF work is globally relevant and really sets the operating framework for the sector along the entire value chain from work on animal feeding, health and welfare to processing and products, and to consumers. If you want to make a difference, IDF offers both the ability to make an important contribution and to be recognized for doing so, not just by your employer or your own country but the global dairy sector as a whole.



## Water Footprint of Dairy Production Systems and Products: A Standard Methodology for Water Assessment

Water scarcity is a problem that impacts all sectors of society—especially those involved in food production—and as global water scarcity becomes more severe, the dairy sector will be increasingly affected. Given this situation, there is growing recognition of the importance of water footprinting as a sustainability indicator for the industry. However, the existence of multiple means of assessing water consumption and use makes it difficult for stakeholders to know which methodology would yield the most relevant results for their production systems and products. To address this methodological complexity, and to ensure consistency and comparability of reporting across the industry, IDF's Standing committee on Environment is working to develop a standard methodology for water assessment for the global dairy sector.

IDF's goal in developing industry guidelines is to increase understanding about the concept of water footprint assessment, provide clarity about how to determine the water profile of dairy processes and products, establish methods for monitoring, quantifying, and evaluating

the possible environmental impacts related to water use from cradle to manufacturing gate out, offer guidance for identifying areas for consumption reduction (hotspots), and establish an indicator that will allow progress to be measured.

IDF's standard methodology will be based on a life-cycle approach and will be consistent with the future ISO Norm 14046, and the IDF Guide on LCA and Carbon Footprint (Bulletin 445/2010). This work will also strengthen IDF's contribution to the FAO-led multi-stakeholder initiative, Partnership on the Environmental Benchmarking of Livestock Supply Chains, and allow IDF to share and improve its existing expertise.

The guide will be available at the 2013 IDF WDS in Yokohama, Japan, complementing the future ISO Norm 14046, and correspond with the IDF Guide on LCA and Carbon Footprint from 2010 (Bulletin 445/2010).



[www.dairy-sustainability-initiative.org](http://www.dairy-sustainability-initiative.org)

### Schedule of IDF Events

- ◆ IDF/ISO Analytical Week - Rotterdam, The Netherlands, June 3-7, 2013.
- ◆ IDF World Dairy Summit 2013 - Yokohama, Japan, October 28 - November 1, 2013
- ◆ IDF Symposium on Science and Technology of Fermented Milk - Australia, March/April, 2014
- ◆ IDF Symposium on Microstructure of Dairy Products - Australia, March/April, 2014
- ◆ IDF/ISO Analytical Week - Berlin, Germany, May 15-20, 2014
- ◆ IDF World Dairy Summit 2014 - Tel Aviv, Israel, October 26-30, 2014
- ◆ IDF World Dairy Summit 2015 - Vilnius, Lithuania, TBD, 2015



## *The World Dairy Situation Report 2012*

The World Dairy Situation Report 2012 was presented during the Dairy Policies and Economics conference at the IDF World Dairy Summit in Cape Town, South Africa, on 5 November 2012.

The World Dairy Situation 2012 analyzes the global dairy market in depth. At all stages – from milk production to end consumption – the report provides valuable insights backed by thorough data collection and analysis.

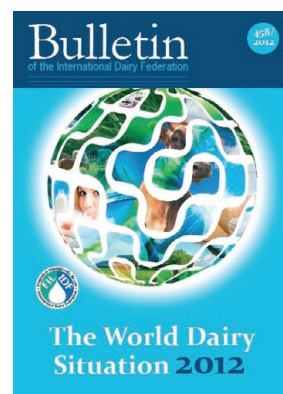
“Last year was a golden dairy year,” commented Adriaan Krijger, editor of the World Dairy Situation 2012 report. The report showed that global milk production jumped by 2.5% to 749 million tonnes in 2011 on the back of higher milk prices.

Krijger said that this increase in milk production was an improvement on 2010’s year on year increase of 2%. “The weather in 2011 was favourable and demand for dairy products was strong, resulting in higher prices,” he said. “The extra milk production was easily absorbed by the global market.”

Krijger presented data which showed that world output for every dairy product was higher last year, but growth was especially pronounced in the butter and skim milk powder categories.

Despite last year’s impressive performance in global dairy sales, this year does not hold as much promise in terms of growth. “Output is expected to slow down further in the second half of 2012 as a consequence of lower prices, higher feed costs and an adverse weather situation in most parts of the world,” Krijger said.

*The World Dairy Situation Report 2012 is available on the IDF Website at [www.fil-idf.org](http://www.fil-idf.org)*



## *Japan Will Host the IDF World Dairy Summit 2013*

The IDF National Committee of Japan will host the IDF World Dairy Summit in Yokohama from 28 October to 1 November, 2013. With the theme of “Rediscovering Milk”, the summit aims to contribute to solving problems in the global dairy sector and to present and discuss technological advances and latest research results.

[www.wds2013.com](http://www.wds2013.com)



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