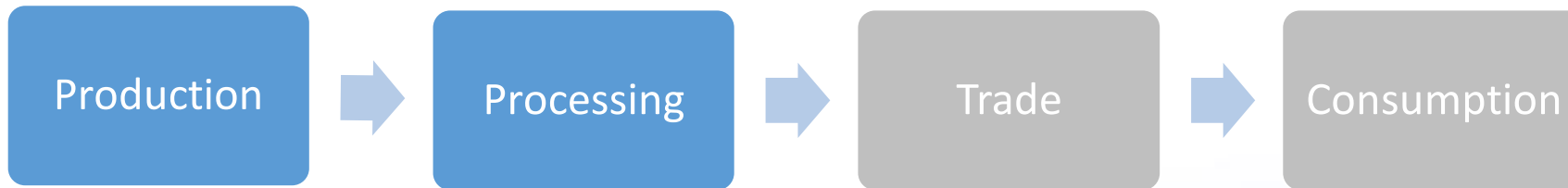




IDF promotes sustainable milk production and processing



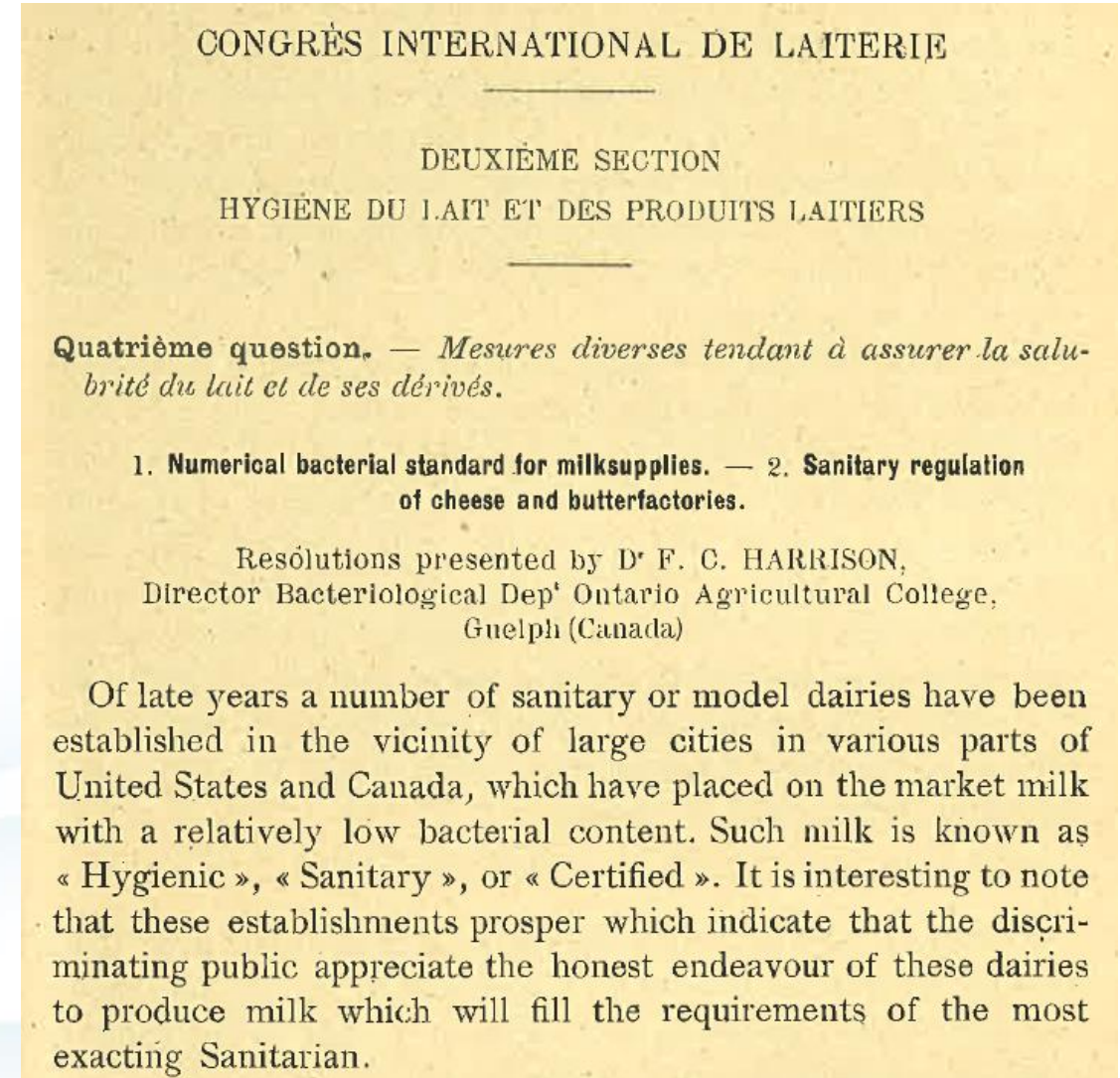
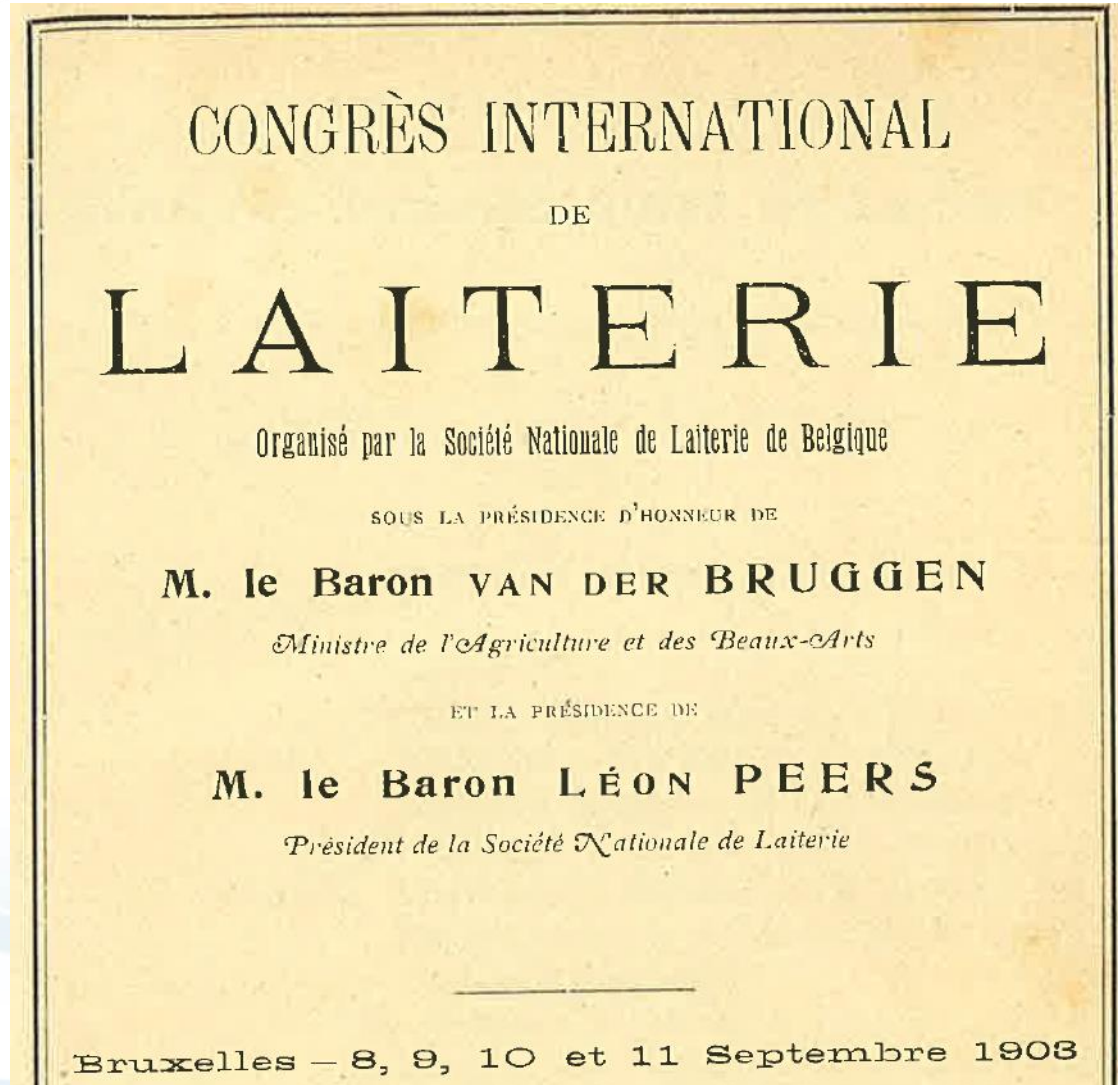
Nico van Belzen, PhD

IDF Director General

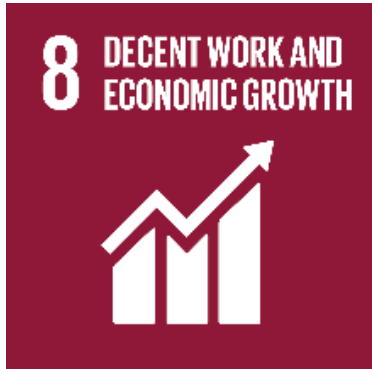
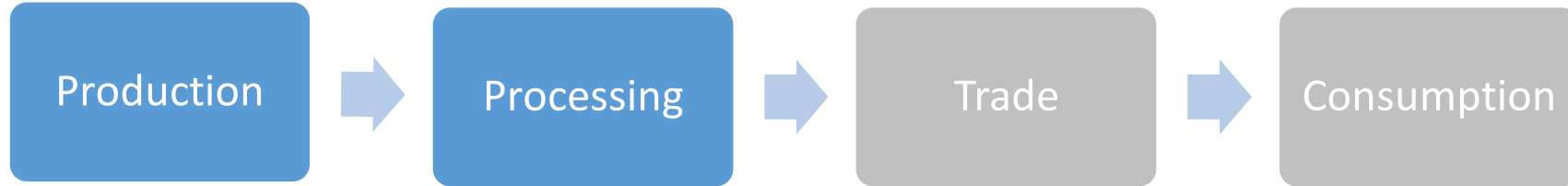
IDF Forum at IDF World Dairy Summit 2017

30th October 2017, Belfast, UK

Long history of supporting milk production and processing



Dairy and the Sustainable Development Goals





IDF IS ALIGNED WITH SDGs - LITERALLY

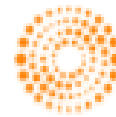


The importance of food safety

World Health Organization: in 2010

- 600 million foodborne diseases
 - 1 of 11 people
- 420,000 deaths
 - 1 of 16,000 people
- 33 million healthy life years lost (DALYs)

#BUSINESS NEWS AUGUST 23, 2017 / 3:41 PM / 2 DAYS AGO



REUTERS

Contaminated eggs cost Dutch chicken farmers 33 million euros

WHO ESTIMATES OF
THE GLOBAL BURDEN
OF FOODBORNE DISEASES





Milk production/processing – safety and hygiene

3 GOOD HEALTH
AND WELL-BEING



IDF Animal Health Report

Issue N° 11 - September 2017

484
2016
Bulletin
of the International Dairy Federation

Proceedings of the
5th Paratuberculosis Forum
Nantes, France, 19 June 2016






Microbiological safety

3 GOOD HEALTH
AND WELL-BEING



Scientific excellence • Industry applicability • Strategic networking • Global influence



Cronobacter species in the dairy industry

IDF Factsheet – September 2016


Scientific excellence • Industry applicability • Strategic networking • Global influence



Bacillus cereus in Milk and Dairy Products

IDF Factsheet – December 2016

Scientific excellence • Industry applicability • Strategic networking • Global influence



Raw milk cheeses

IDF Factsheet – December 2016

Prevention of adulteration

3 GOOD HEALTH
AND WELL-BEING



ELSEVIER

International Dairy Journal

Volume 68, May 2017, Pages 46–51



Short communication

Non-protein nitrogen determination: A screening tool for nitrogenous compound adulteration of milk powder

Jonathan W. DeVries^{a, 1}, George W. Greene^b, Anitra Payne^c, Steven Zbylut^a, Peter F. Scholl^d, Paul Wehling^a, Jaap M. Evers^e, Jeffrey C. Moore^f  



Antimicrobial resistance

IDF Factsheet 003/2017-05

Scientific excellence ♦ Industry applicability ♦ Strategic networking ♦ Global influence



Guidance on Antimicrobial Resistance from the Dairy Sector



Responsible use of antimicrobial agents in the global dairy industry

Nico van Belzen, PhD

Director General, International Dairy Federation
IACG, 17th October 2017, OIE Headquarters, Paris
Slideshow by María Sánchez Mainar, PhD



GLOBAL DAIRY POSITION ON AMR

IDF Factsheet 003/2017-05

Scientific excellence ♦ Industry applicability ♦ Strategic networking ♦ Global influence



Guidance on Antimicrobial Resistance from the Dairy Sector



This reference document outlines dairy sector guidance on prudent use of AA and defines the global dairy position on AMR

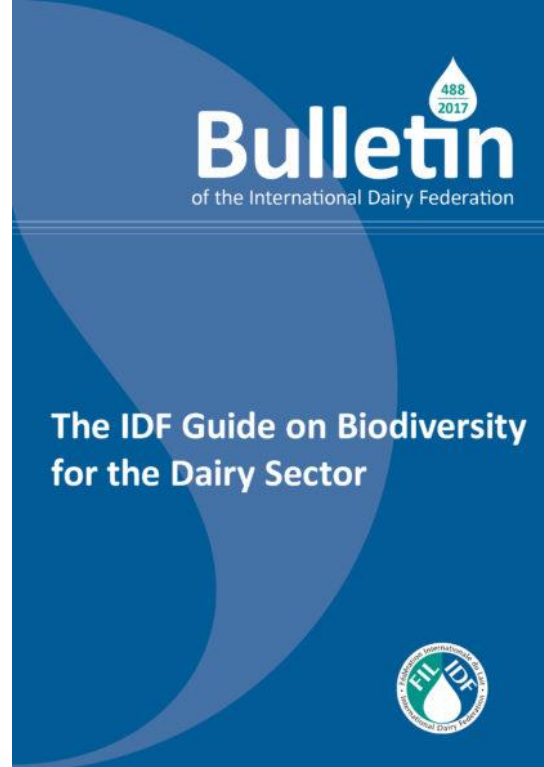
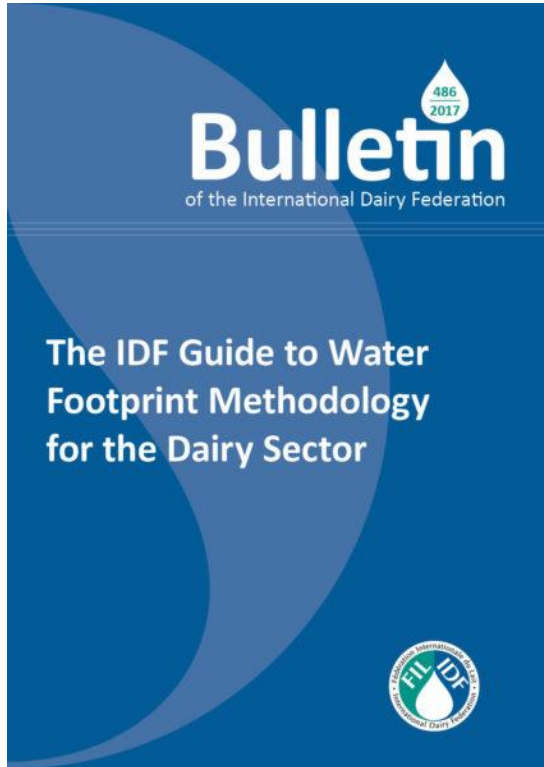


3 GOOD HEALTH AND WELL-BEING

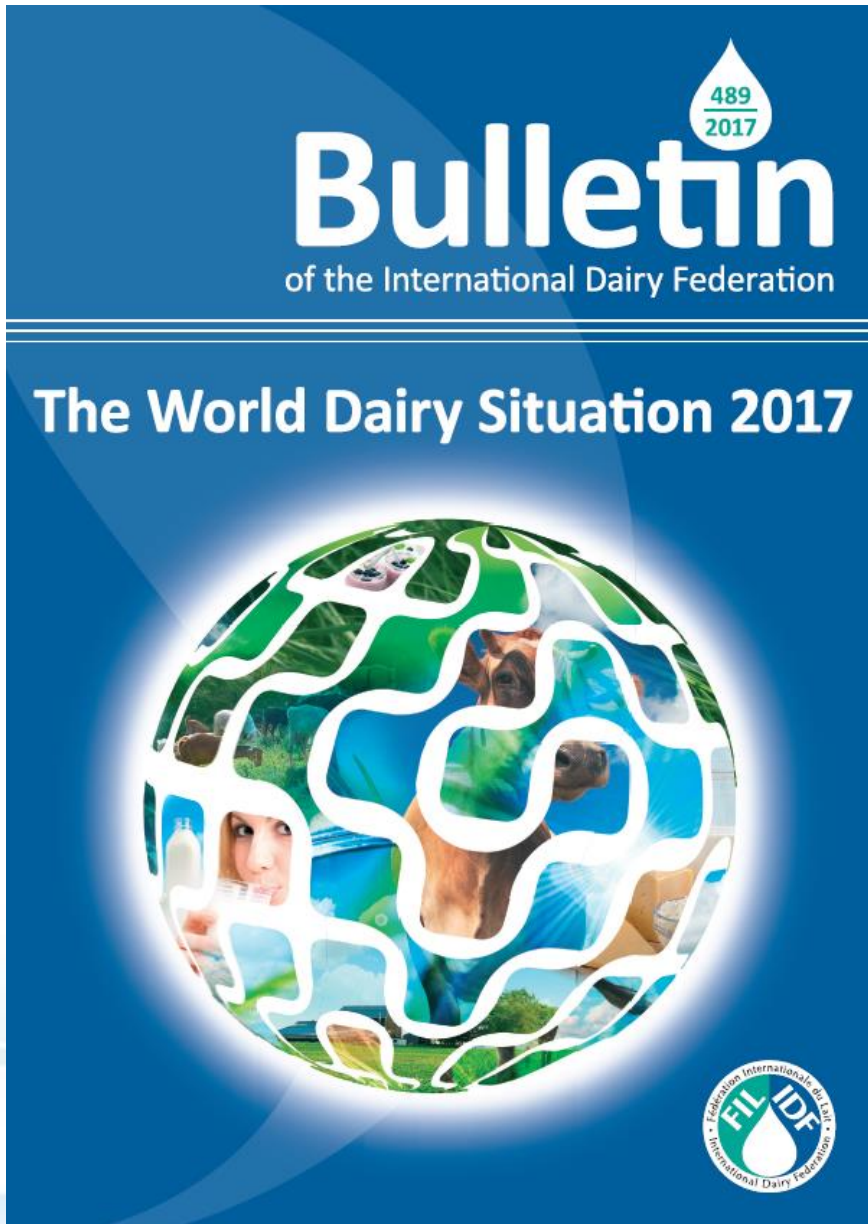
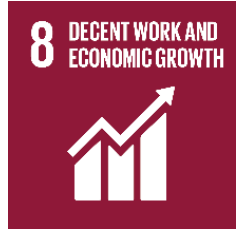




Milk production/processing – environmental sustainability




Milk production/processing – socio-economic sustainability




IDF Factsheet 004/2017-04

Scientific excellence • Industry applicability • Strategic networking • Global influence



Executive Summary of IDF Country Reports – April 2017



Members of the IDF Standing Committee on Dairy Policies and Economics (SC DPE) from 11 countries¹ submitted country reports covering the six months leading up to April 2017. This fact sheet highlights the main findings from the review of the country reports as prepared by Peter Dawson (UK) and presented to the Committee at the SC DPE meeting held in Tel Aviv 26th April 2017.

Milk Production

Production trends for the latest period (October 2016 to April 2017) reported by the majority of EU countries were negative or weak. The largest declines were recorded for France at -5.6% and Ireland at -4.6%. The exception was Italy with +3.2%. Milk production in the Netherlands for 2017 was expected to contract due to the constraints of environmental legislation on phosphates.

ahead strongly in the second half of 2016 with some stabilization in the first period of 2017. However the expectation was that they will remain firm for the remainder of the year due to strong demand growth.

However protein prices remained weak with significant stocks over-hanging the market. The underlying trend would be clarified once the EU had passed its production peak in May. On the world market the GDT auction recorded similar overall trends.

FIL IDF
Fédération Internationale du Lait
International Dairy Federation



Milk processing

IDF Factsheet 001/2017-03

Scientific excellence • Industry applicability • Strategic networking • Global influence



The importance of salt in the manufacturing and ripening of cheese

Walter Bisig* (CH)



Scientific excellence • Industry applicability • Strategic networking • Global influence

Escherichia coli as indicator in cheese processing

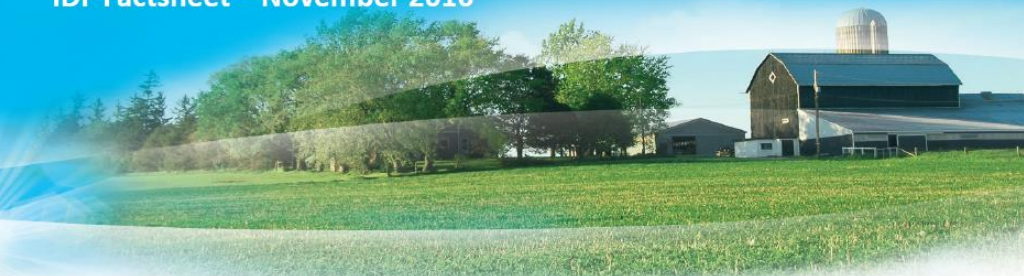
IDF Factsheet – December 2016



Scientific excellence • Industry applicability • Strategic networking • Global influence

Use of wood in cheese ripening

IDF Factsheet – November 2016



Milk processing

TECHNICAL
SPECIFICATION

ISO/TS
19046-1

IDF/RM
233-1

First edition
2017-05

TECHNICAL
SPECIFICATION

**Cheese — Determination of propionic
acid level by chromatography —**

Part 1:
Method by gas chromatography

**Cheese — Determination of propionic
acid level by chromatography —**

Part 2:
**Method by ion exchange
chromatography**

INTERNATIONAL
STANDARD

ISO
11816-2

IDF
155-2

Second edition
2016-08-15

INTERNATIONAL
STANDARD

**Milk and milk products —
Determination of alkaline
phosphatase activity —**

Part 2:
Fluorimetric method for cheese

**Milk and milk products —
Determination of alkaline
phosphatase activity —**

Part 1:
**Fluorimetric method for milk and
milk-based drinks**



Ongoing projects in milk production and processing (examples 1/3)

- Antimicrobial resistance
 - Prudent use of antimicrobial agents in dairy farming minimizes the risk of AMR, while optimizing animal health and production
 - Contribute to the Codex Alimentarius working group on AMR
- IDF guide to good animal welfare practices 2.0
 - Good animal welfare practices in the dairy sector strengthen the 'license to operate' from general society
 - Collaboration between IDF Standing Committees on Animal Health and Welfare and Farm Management



Ongoing projects in milk production and processing (examples 2/3)

- Bulletin on pasteurization; update incorporating latest technologies
- Non-proprietary method for measuring alkaline phosphatase activity as test of pasteurization
- Standards for infrared technology and in-line control, e.g.
 - Standardization of FT-MIR instruments for milk analysis
 - Recombined milk samples for calibration and quality control in mid-infrared milk analysis



Ongoing projects in milk production and processing (examples 3/3)

- Eco-friendly dairy processing practices
 - Joint action team of IDF Standing Committees on Environment, Animal Health and Welfare, and Dairy Science and Technology
- 3rd IDF Symposium on Microstructure of Dairy Products
 - Co-organized with IDF NC Canada and Elsevier
 - Montréal, Canada, June 3-6, 2018

Long history of supporting milk production and processing...

