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ILSI EUROPE

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The ILSI Europe Newsletter is written with you in mind. We want to continuously make it relevant for you, and therefore value any feedback that you may have. To give feedback, please write to newsletter@ilsieurope.be

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To see the previous issues of the ILSI Europe Newsletter, [CLICK HERE](#)

ILSI EUROPE NEWSLETTER

The Quarterly Newsletter of the
International Life Sciences Institute Europe



01 | A WORD FROM THE EXECUTIVE DIRECTOR

Welcome to the Autumn 2011 edition of our quarterly newsletter!

Science provides crucial input for public health decision-making, and is essential for innovation and progress.

Innovation needs collaboration from government, academia and industry. Regulatory agencies and governments provide rules for fair competition, and promote public health and safety by appropriate regulations. Academic scientists generate knowledge and industry scientists convert that knowledge into products that provide funding for more research.

Europe faces considerable challenges that include an ageing population, increased global competition, and the need to develop a more sustainable society. To meet these challenges and ensure a successful future, Europe needs to strengthen its innovation efforts. As recognised by the European Union's Member States in the 2020 vision for the European Research Area, free circulation of researchers, knowledge and technology (the so-called "fifth freedom") is essential to maintain European competitiveness.

As collaboration is essential for innovation, researchers and knowledge should freely circulate not only between countries, but also between institutions and funding streams. ILSI Europe is proud to catalyse and advance collaboration between scientists from academia, government and industry, and to provide a neutral forum to jointly address public health topics in a transparent way. One of many examples is our international symposium on the health benefits of foods which takes place next month in Prague from the 5th to the 7th October; more details can be found below.

I hope you enjoy the read!

Dr. Nico van Belzen
Executive Director
ILSI Europe

02 | ILSI EUROPE AT A GLANCE

200

More than 200 experts are expected to attend the Functional Foods Symposium in Prague, 5-7 October 2011, to discuss recent advances in the substantiation of the health benefits of foods. [Click here](#) to register

FUNCTIONAL FOODS TASK FORCE

International symposium on

HEALTH BENEFITS OF FOODS - FROM EMERGING SCIENCE TO INNOVATIVE PRODUCTS

Prague, Czech Republic - 5-7 October 2011

Organised by The International Life Science Institute - ILSI Europe

[CLICK HERE](#) to register.
[READ MORE](#)



03 | ILSI NEW LOGO



It is a pleasure to announce that ILSI has a new a new visual identity. Our new logo represents "the whole is greater than the sum of its parts" and we feel that it captures and conveys the strength as well as the dynamism of our global organisation.

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ILSI EUROPE'S FOUR CLUSTERS

The task forces at ILSI Europe are grouped in four specific clusters:

-  1. Assessment of Benefits and Risks
-  2. Societal Aspects
-  3. Food Chain
-  4. Diet, Health and Disease

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04 | NEW PUBLICATIONS FROM ILSI EUROPE

Here are short summaries of some of the latest published articles from ILSI Europe. To read the full papers, click on the link at the end of each summary:



Risk Analysis in Food Microbiology Task Force **Food safety management tools – 2nd edition (report)**

The food supply chain has to ensure the highest standards of safety and therefore the development of comprehensive control procedures is needed to ensure safe and high quality food. This report provides an overview of tools currently available for management of food safety at the operational level. In this second edition, the primary focus remains on microbiological food safety management.

Read the full publication: [Food safety management tools – 2nd edition](#)



Threshold of Toxicological Concern Task Force **Application of the TTC concept to unknown substances found in analysis of foods (article)**

Unknown substances are frequently detected in foods by quality control laboratories. In many cases, the assessment of these 'new' substances requires additional chemical analysis for their identification prior to assessing risk, and there may be no toxicological information available. Therefore, there is a need to develop pragmatic tools for the assessment of the potential toxicity of unknown substances to avoid delays in their risk assessment. This article looks at a step-wise approach to apply a daily TTC threshold to such substances.

Read the full publication: [Application of the TTC concept to unknown substances found in analysis of foods](#)



Consumer Science Task Force **Consumer response to novel agri-food technologies: implications for predicting consumer acceptance of emerging food technologies (article)**

The aim of this review is to examine what is known about consumer responses to food-related technologies that have been associated with different levels of consumer acceptance - in order to draw broad conclusions about the potential determinants of both acceptance and rejection. This is discussed in the context of the development of emerging food technologies, and future research needs are identified.

Read the full publication: [Consumer response to novel agri-food technologies: implications for predicting consumer acceptance of emerging food technologies](#)



Environment and Health Task Force **Water use of oil crops: current water use and future outlooks (report)**

Agriculture is one of the biggest users of water and it is therefore essential that it is used efficiently and sustainably. This report evaluates globally grown oil crops such as sunflower, rapeseed, soybean, groundnut and palm, in terms of rain and irrigated water use, and how to improve sustainable water use in the agricultural sector.

Read the full publication: [Water use of oil crops: current water use and future outlooks](#)



Packaging Materials Task Force **Packaging Materials: 9. Multilayer Packagings for Food and Beverages (report)**

The last 50 years have seen major changes in the way that food is produced and retailed, with a corresponding growth in pre-packaged food. The changing requirements for packaging are more and more difficult to achieve with single materials. This report looks at the way multilayers achieve the required performance.

Read the full publication: [Packaging Materials: 9. Multilayer Packagings for Food and Beverages](#)



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Dietary Carbohydrates Task Force **Food, glycaemic response and health (concise monograph)**

During the past 30 years much attention has been focused on measuring and classifying carbohydrates on the basis of their glycaemic effects, that is, the rise in blood glucose concentration following the ingestion of a carbohydrate-containing food. This monograph explains the concept of the glycaemic response and discusses the potential benefits of dietary management of postprandial glycaemia for various health indicators, including a number of key public health priorities.

Read the full publication: [Food, glycaemic response and health](#)



Food Allergy Task Force **Evaluation of scientific criteria for identifying allergenic foods of public health importance (article)**

Identification of allergenic foods of public health importance should be based on well-defined criteria. In a previous paper, this task force proposed a set of criteria that focused on three groups of factors: clinical issues, population elements and modulating factors. This study assessed the application and usefulness of the proposed criteria for the evaluation of the strength of evidence for allergenic foods. This framework aims at providing a basis for sound risk management decisions.

Read the full publication: [Evaluation of scientific criteria for identifying allergenic foods of public health importance](#)



Food Allergy Task Force **Frontiers in food allergen risk assessment (report)**

The apparent prevalence of food allergy and increasing globalisation of the food industry is making it a priority to develop approaches to minimise its impact on public health. Collecting an evidence base to objectively define the problems presented by food allergies is crucial to the development of such approaches. An international symposium (in Nice, October 2010) on this topic brought together over 100 key experts and this report provides an overview of their presentations and shares comments made during the discussion sessions.

Read the full publication: [Frontiers in food allergen risk assessment](#)



Nutrition and Immunity Task Force **Nutrition and immunity in man – 2nd edition (concise monograph)**

Poorly nourished people are more susceptible to infectious diseases, and under-nutrition impairs the immune system, leading to an increase in both incidence and severity of infections. This publication looks at the immune system and dietary factors which alter its response; the reduction of disease risk by dietary modification; and the benefits and risks of altering the immune response by nutritional means.

Read the full publication: [Nutrition and immunity in man – 2nd edition](#)



EURRECA

Contribution made by biomarkers of status to an FP6 Network of Excellence, EUROpean micronutrient RECommendations Aligned (EURRECA).

In the process of deriving micronutrient recommendations, biomarkers are essential for deriving the average requirement and for identifying and anticipating adverse effects of too low or too high an intake of a micronutrient. This paper provides an overview of the work performed by the EURRECA partners in this field so far.

Read the full publication: [Contribution made by biomarkers of status to an FP6 Network of Excellence, EUROpean micronutrient RECommendations Aligned](#)

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EURRECA

Engagement, representativeness and legitimacy in the development of food and nutrition policy

This paper examines the ways in which various organisations involved in food and nutrition policy development negotiated the legitimacy of their inclusion in policy processes through claims about who they represented and how. A thematic analysis of 52 interviews with English stakeholders explores competing modalities of representation and how they are used both to claim legitimacy for self and to discount the claims of others.

Read the full publication: [Engagement, representativeness and legitimacy in the development of food and nutrition policy](#)

05 | UPCOMING PUBLICATIONS



- Packaging Materials 8: Printing Inks for Food Packaging (report)
- EURRECA's Approach for Estimating Micronutrient Requirements (article)
- Age Standardization in Mapping Adult Overweight and Obesity Trends in the WHO European Region (article)

06 | PAST EVENTS

ILSI Europe organises a variety of scientific events. These include workshops, symposia and sessions held as part of the programme of larger scientific and professional meetings. Some recent past events include:



EURRECA

6th Meeting of the UNU/SCN Network for Capacity Development in Nutrition in Central and Eastern Europe (NCDNCEE)

BELGRADE, SERBIA, 25-26 MAY, 2011

[READ MORE](#)



Threshold of Toxicological Concern Task Force

Workshop on the Threshold of Toxicological Concern: Scientific Challenges and Approaches

BRUSSELS, BELGIUM, 8-10 JUNE, 2011

[READ MORE](#)



EURRECA

Workshop on Critical Micronutrients in Pregnancy, Lactation and Infancy

TUTZING, GERMANY, 14-16 JUNE, 2011

[READ MORE](#)



EURRECA

Integrating Meeting 5

BUDAPEST, HUNGARY, 20-23 JUNE, 2011

[READ MORE](#)



Multiple task forces

ILSI Europe Session at Eurotox 2011

PARIS, FRANCE, 28-31 AUGUST, 2011

[READ MORE](#)

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07 | UPCOMING EVENTS



Functional Foods Task Force

International Symposium on “Health Benefits of Foods - From Emerging Science to Innovative Products”

PRAGUE, CZECH REPUBLIC, 5-7 OCTOBER, 2011

Consumers want ‘healthier’ foods, but how to define and establish beneficial health effects of foods above basic nutrition? The 3rd Functional Foods International Symposium aims to review and debate recent advances in substantiation methodology of health benefits of foods and new approaches to investigate the biological functions of beneficial components in the diet - resulting in a better understanding of the relationship between food, nutrition and health.

[CLICK HERE TO REGISTER](#)

[READ MORE](#)



Metabolic Imprinting Task Force

Workshop on Maternal Obesity, Diet, and Developmental Programming - Aligning Mother-Child Studies

BRUSSELS, BELGIUM, 10-11 OCTOBER, 2011

The workshop aims to debate the optimal methodological approaches in the area of early life nutritional determinants of offspring obesity and its metabolic complications. This workshop will focus on how to assess maternal dietary habits and status; maternal body weight, composition, and lifestyle; as well as infant growth, body weight regulation and early risk factors.

[READ MORE](#)



EURRECA

Session at the International Society of Trace Element Research in Humans (ISTERH) Conference

ANTALYA, TURKEY, 16-21 OCTOBER, 2011

In the session “EURRECA: Variations in European Micronutrient Recommendations”, partners will illustrate some of the latest activities of the Network. This session will address 1) the bioavailability of micronutrients, 2) the inter-relationships between dietary zinc intakes, status and health outcomes in various populations groups, and 3) a systems biology approach to personalised trace element recommendations.

[READ MORE](#)

Multiple task forces

Sessions at the 11th European Nutrition Conference (FENS - Federation of European Nutrition Societies)

MADRID, SPAIN, 26-29 OCTOBER, 2011



Session on Food Consumption and Public Health

27 October, 11.00 - 13.00

The session will start by addressing scientific considerations of the benefits of satiety to consumers before looking at the determinants of obesity and the metabolic syndrome. Finally a benefit risk analysis of macronutrients replacement will be covered. This session is co-organised by the task forces on Appetite Regulation, Weight Management in Public Health, Metabolic Syndrome & Diabetes and Risk Assessment of Chemicals in Food.

[READ MORE](#)

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Session on European Recommendations Aligned, How Do We (EURRECA) Realise This?

28 October, 11.00 - 13.00

An in-depth overview of the EURRECA methodology for deriving requirements will be provided. Two commonly used approaches will be discussed, namely the association approach using systematic reviews and meta-analyses, and the factorial approach covering bioavailability and factorial estimates for infants and children.

[READ MORE](#)



Process-related Compounds and Natural Toxins Task Force and Risk Assessment of Chemicals in Food Task Force

Workshop on MCPD- and Glycidyl Esters in Food Products

BRUSSELS, BELGIUM, 9-10 NOVEMBER, 2011

The workshop aims at reviewing a working document developed by the ILSI Europe expert group on up-to-date analytical methods related to various MCPD esters. This document focuses on 1) occurrence and exposure, including an inventory and review of analytical methods, 2) analytical tools to study precursors and chemical formation mechanisms, 3) analytics for toxicology.

[READ MORE](#)



Food Intake Methodology Task Force

Workshop on GulDEA – Guidance for Dietary intake Exposure Assessment

GENEVA, SWITZERLAND, 29-30 NOVEMBER, 2011

The ILSI Europe Food Intake Methodology Task Force is developing a practical guide for conducting dietary intake/exposure assessments. A single source of reference (in the form of a website 'GulDEA') has been built to provide guidance on the planning, conduct, reporting and interpretation of assessments. The workshop will review and test the usability of the preliminary version of the 'GulDEA' website.

[READ MORE](#)



Packaging Materials Task Force

5th International Symposium on Food Packaging – Scientific Developments supporting Safety and Innovation

BERLIN, GERMANY, 14-16 NOVEMBER, 2012

The symposium will emphasise innovations and recent advances in the science which supports the safety and quality of food packaging. The 3-day conference will focus on the following four concept areas: 1) Nanotechnology and emerging technologies, 2) Sustainable food contact materials, 3) Risk Assessment of complex mixtures and 4) Effects of food processing and packaging treatments.

Abstract submission is open until 31 December 2011.

To submit your abstract, [click here.](#)

[READ MORE](#)

AUTUMN 2011

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08 | NEW TASK FORCE ACTIVITIES

Task forces are the working groups that initiate, undertake, develop and manage all projects. They are grouped into ILSI Europe's four clusters. Task forces reach their goals and address their issues through activities such as expert groups, workshops, symposia, literature reviews and publications. They are composed of interested company representatives and non-industry experts as required.

The following activities have started recently or will be starting in the near future:

Task Forces	New Expert Groups
 Functional Foods	Identification of criteria for validation of markers in the area of cardiovascular health
 Emerging Microbiological Issues	Safety concerns of ingestion of cell residues of inactivated pathogens
 Environment and Health	Framework for establishing and mitigating the impact of crop production on water quality and water footprint
 Packaging Materials	Non-Intentionally Added Substances (NIAS) in food packaging
 Eating Behaviour and Energy Balance	Satiety claims: what do consumers really think?

The Appetite Regulation Task Force is now the Eating Behaviour and Energy Balance Task Force. The revised remit of the task force is to establish the scientific basis for strategies to achieve a healthy energy balance, and how these can be brought to consumers through responsible, effective innovation and communication.

[READ MORE](#)

09 | UPCOMING TASK FORCE MEETINGS

OCTOBER 2011

-  07 Functional Foods (Prague)
-  13 Risk Analysis in Food Microbiology
-  13 Weight Management in Public Health
-  18 Novel Foods and Nanotechnology
-  19 Risk Assessment of Chemicals in Food

NOVEMBER 2011

-  04 Probiotics
-  08 Process-related Compounds and Natural Toxins
-  08 Nutrition and Mental Performance
-  10 Eating Behaviour and Energy Balance
-  14 Packaging Materials
-  15 Prebiotics
-  15 Threshold of Toxicological Concern
-  17 Food Allergy
-  30 Food Intake Methodology (Geneva)

DECEMBER 2011

-  01 Addition of Nutrients
-  02 Consumer Science
-  08 Metabolic Syndrome and Diabetes

If your company is not yet a member of ILSI Europe or if, as a Member, you consider joining a new task force, you may attend one of the above-mentioned meetings. If you are interested, please contact info@ilsieurope.be.

For more information on ILSI Europe task forces, [CLICK HERE](#)



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10 | WHAT PEOPLE SAY ABOUT ILSI EUROPE



"Bunge recently decided to join ILSI to be at the source of new scientific knowledge and to get the best from networking with other ILSI members, academics and observers."

Nathalie Henin, Bunge Europe



"In a world that is so dependent on sustainable technological development, risk/benefit assessments must be based on independent science-based grounds that enable progress and safety at the same time. ILSI's strategy of building academic forums of scientists from industry, academia and government provides the required concept to achieve this."

Jochen Schulze-Aurich, Syngenta



"For non-European companies, ILSI Europe is the ideal gateway to gain a better insight into European food-related scientific innovations and concerns. I hope I can add another perspective from a Japanese point of view."

Ryo Shimojo, Kikkoman Foods Europe

11 | GLOBAL ILSI COLLABORATION



Take 10!

Initially developed by the ILSI Research Foundation, Take 10! is a tool for teachers in elementary schools to increase the physical activity of pupils during the day. It consists of 10-minute bursts of physical activity that are embedded into the school curriculum. Not only can this burst of physical activity reduce the risk of overweight and obesity by increasing energy expenditure in the short term, but it may also promote habitual physical activity in the long term. Other benefits reported include improved classroom behaviour and pupil attention following a TAKE 10! session.

Supported by the Weight Management in Public Health Task Force and the ILSI Research Foundation, the implementation of Take 10! in Europe started in February 2011 as a pilot study in two schools in the UK.

[READ MORE](#)

25 Years of ILSI Europe

Highlighting the key achievements of ILSI Europe over the last quarter century.



Tripartite way of working

For 25 years, ILSI Europe has adopted a tripartite approach between academia, industry and governments, aiming at reaching consensus on topics related to nutrition, food safety and the environment. In 2010, scientists who collaborated with ILSI Europe reflected this tripartite way of working. 41% of those scientists came from our member companies, 40% from academia and 19% from governmental organisations. In total, 245 non-industry organisations, including universities, national scientific institutes, as well as national, European and international governmental organisations, were involved in ILSI Europe activities. The outcomes of our work are used by industry and academic scientists, public health institutes, regulatory bodies and governmental agencies. These bodies regularly cite ILSI's publications in their opinion and guidance documents, such as ILSI Europe's work on Health Claims and on the Threshold of Toxicological Concern (TTC) approach.

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