



The Pontifical Academy of Sciences

Technical Workshop on

FOOD SAFETY AND HEALTHY DIETS



12-13 September 2018 | Casina Pio IV | Vatican City



“The future of all nations is interconnected, more than ever before; they are like the members of one family who depend upon each other. However, we live in an era in which relations between nations are all too often damaged by mutual suspicion, which at times turns into forms of military and economic aggression, undermining friendship between brothers and rejecting or marginalizing those who are already excluded. Those who lack their daily bread or decent employment are well aware of this. This is a picture of today’s world, in which it is necessary to recognize the limits of approaches based on the sovereignty of each State, understood as absolute, and on national interests, frequently conditioned by small power groups ... States may be inspired by the conviction that the right to nutrition can be guaranteed only if we care about the actual subject, that is, the person who suffers the effects of hunger and malnutrition: the true subject!

...Nowadays there is much talk of rights, frequently neglecting duties; perhaps we have paid too little heed to those who are hungry. It is also painful to see that the fight against hunger and malnutrition is hindered by “market priorities”, the “primacy of profit”, which have reduced foodstuffs to a commodity like any other, subject to speculation, also of a financial nature. And while we speak of new rights, the hungry are waiting, at the street corner, asking for the right to citizenship, asking for due consideration of their status, to receive a healthy, basic diet. They ask for dignity, not for alms.

...Interest in the production, availability and accessibility of foodstuffs, in climate change and in agricultural trade should certainly inspire rules and technical measures, but the first concern must be the individual person, who lacks daily nourishment, who has given up thinking about life, family and social relationships, and instead fights only for survival.”

Address of His Holiness Pope Francis, 2nd International Conference on Nutrition, Thursday, 20 November 2014.

“Besides, we know that approximately a third of all food produced is discarded, and whenever food is thrown out it is as if it were stolen from the table of the poor”.

Laudato Si’, para 50, p. 36.

Concept Note

Addressing food safety and malnutrition in all its forms

Assuring all people have access to safe, affordable and nutritious foods is essential for sustaining food security and human dignity.

Malnutrition takes many forms: hunger, stunting, micronutrient deficiencies, overweight and obesity. Under the Sustainable Development Goals, improved nutrition received new impetus as a core development driver – but progress in tackling malnutrition remains mixed. There have been successes, for example, on reduced stunting and improved child survival, although both levels remain unacceptably high. However, there are negative trends on other indicators:

- In 2017 the number of undernourished people in the world increased to over 815 million, up from 777 million in 2015
- 155 million children, or 23%, are stunted; 52 million children, or 8%, are wasted; and 41 million, or 6%, are overweight.
- Mycotoxins including aflatoxin are pervasive natural contaminants well managed in countries with strong food management systems. Unfortunately, about 1 in 10 people, mostly children, suffer from eating foods contaminated with aflatoxin.
- Approximately 1.3 billion tons, or one-third of the food produced in the world for human consumption annually is lost with substantial environmental impact – food production generates a third of greenhouse emissions.
- Today micronutrient deficiencies impact over 2 billion men, women and children – often with irreversible health consequences.
- Worldwide obesity is rising, having tripled between 1975 and 2016. In 2016 about 13% of the world's adult population (11% of men and 15% of women) were obese.

Poor diet is a common cause contributing to these different effects, and today is the number one risk factor for disease globally, linked to 1 in 5 annual deaths according to the recent Burden of Disease Study.

This workshop on *Food Safety and Healthy Diets* will explore practical actions to not only feed but also to nourish

the world, and emphasise the benefits to global sustainability of human-centered food systems. It will seek to inspire participants to advocate and stimulate transformative changes to improve health and nutrition through safer, better quality foods. It will put an emphasis on safe and healthy diets for the poor, and ensuring the private sector is appropriately engaged towards this goal.

The event recognizes that no single entity or stakeholder group can address these challenges; multi-disciplinary research, multi-sector collaborations and partnerships are essential implementing mechanisms.

Key Objectives

The key objectives of the workshop is to share the latest scientific evidence and innovations on food safety and healthy diets and to develop recommendations – with a focus on food systems in low- and middle-income countries – leading up to related future FAO-WHO international conferencing and actions.

Background

Multiple **food safety** challenges are prevalent throughout supply chains in food systems from production, harvesting, transportation, processing, storage, and manufacturing and at the consumer level. Post-harvest **food loss and waste** are linked to significant food insecurity, nutrition and sustainability issues.

Safe, nutritious foods need to be produced and made more available and affordable. There is growing consensus that food systems, in their current form, are failing to deliver this.

Poor diet is the number one **risk factor** in the global burden of disease. This includes **nutritional deficiencies** as well as **overweight** and **obesity** in both developed and developing countries.

The workshop will discuss the evidence on related key themes: the most common food safety challenges prevalent throughout supply chains; post-harvest food loss and waste; and the double burden. These issues will be addressed using an interdisciplinary lens, combining food and health policy perspectives as well as presenting the latest technology, innovations and state-of-the-art solutions.

Programme

September 12, 2018	
9:00	<p><i>Opening</i> H.E. Msgr. Paul Richard Gallagher <i>Secretary for Relations with States of the Holy See</i> Prof. Joachim von Braun <i>President of the Pontifical Academy of Sciences</i></p>
9:20	<p><i>Keynote address</i> Dr. José Graziano da Silva <i>Director General of FAO</i> <i>Video message</i> Dr. Tedros Adhanom Ghebreyesus <i>Director General of WHO</i></p>
9:40	<p><i>Chair: Prof. Joachim von Braun</i> <i>PAS</i> Introduction Panel: Safe and Nutritious Foods: Where we are? Where we are headed? And where we need to be to meet the Sustainable Development Goals (SDGs)</p> <p>Opening panel will be used to set the stage and provide some context and evidence on the main issues affecting the provision of safe, affordable and nutritious foods for all people, in a sustainable way. The panel will outline the obstacles, progress, latest advances in scientific research and emerging opportunities to tackle malnutrition in all its forms as a cornerstone for the SDG efforts. It will also remind the audience of the need for global, multi-stakeholder commitments and the importance of prioritizing evidence-based solutions and innovations.</p> <ul style="list-style-type: none"> ➤ Dr. Lawrence Haddad <i>Executive Director, Global Alliance for Improved Nutrition (GAIN)</i> ➤ Dr. Amare Ayalew <i>Director of Partnership for Aflatoxin Control, Africa</i> ➤ Dr. Jessica Fanzo <i>Senior Programme Officer, UN FAO and Bloomberg Distinguished Professor, Johns Hopkins University</i> ➤ Dr. Yolanda Sanz <i>My New Gut project, Institute of Agrochemistry and Food Technology, Spanish National Research Council</i>
11:00	Coffee Break
11:30	<p><i>Chair: Dr. Vanderlei Salvador Bagnato</i> <i>University of São Paulo</i> Panel 1: The consequences of unsafe food: an impediment for human development</p> <p>This session will present the debilitating human, economic and social consequences of unsafe foods and solutions to reduce contamination and food borne disease, including livestock-human disease linkages. The latest research and case studies with best practices from different contexts will be examined to ignite a conversation on the approaches that have the most potential to tackle the issue. The session will serve to set the scene on foodborne disease in LMICs, provide an analysis of available data, gaps and what that means for health & nutrition and potential areas of focus over the coming years.</p> <ul style="list-style-type: none"> ➤ Dr. Delia Grace <i>Program Leader, International Livestock Research Institute</i> ➤ Prof. J. David Miller <i>Department of Chemistry, Carleton University</i> ➤ Prof. Dr. Jakob Zinsstag-Klopfenstein <i>Deputy Head, Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute</i> ➤ Dr. Kazuaki Miyagishima <i>Director Office of Food Safety and Zoonoses, WHO</i> ➤ Dr. Steven Jaffee <i>Lead Agricultural Economist, World Bank</i>
13:00	Lunch at the Casina Pio IV

14:30	<p>Chair: Rosa S. Rolle, Ph.D <i>Senior Enterprise Development Officer, FAO</i></p> <p>Panel 2: Food safety and food waste: the connections and solutions</p> <p>Scientific leaders and innovators will examine the global challenges that food loss and waste present to achieving food security in Low and Middle-Income Countries (LMICs) and offer evidence-based solutions on scientific, technical, management and policy tools to mitigate the negative human and social impacts and enhance economic opportunities for small-scale food producers.</p> <ul style="list-style-type: none"> ➤ Dr. Pawan Agarwal <i>CEO, Food Safety and Standards Authority of India</i> ➤ Dr. Vanderlei Salvador Bagnato <i>University of Sao Paulo, Brazil. Member of Pontifical Academy of Sciences</i> ➤ Ms. Alexandra Nikolakopoulou <i>Head of Unit, Food Information and Food Waste, at DG Health and Food Safety, DG SANTE European Commission</i>
16:00	Coffee Break
16:30	<p>Chair: Greg S. Garrett <i>Director of Food Policy and Finance, GAIN</i></p> <p>Panel 3: The double burden of malnutrition: the new global epidemic that can be prevented</p> <p>A panel of research presentations on healthy diet, the double burden and proven interventions. Scientific leaders and policy experts will present the growing challenge of the double burden of malnutrition, over-nutrition and related NCDs in LMICs. They will also share identified priority actions and policies to reverse the trend and drive greater inclusivity, nutrition and health.</p> <ul style="list-style-type: none"> ➤ Dr. Emorn Udomkesmalee <i>Co-Chair, Global Nutrition Report's International Expert Group</i> ➤ Dr. Howarth Bouis <i>CEO, HarvestPlus</i> ➤ Dr. Lynnette Neufeld <i>Director for Knowledge Leadership, GAIN</i> ➤ Dr. Rose Omari <i>Researcher, CSIR-STEPRI, Ghana</i> ➤ Dr. Bruce Neal <i>Deputy Executive Director, The George Institute for Global Health, Australia</i> ➤ Dr. Juan Rivera <i>Director of the Mexican Institute of Public Health (INSP)</i>
18:30	Dinner at the Casina Pio IV

September 13, 2018

9:00	<p>Chair: Ms. Vinita Bali <i>GAIN</i></p> <p>Panel 4: Corporate leadership as agents for change in nutrition</p> <p>Corporate will discuss how their sectors view the need and opportunities to connect Safe, Nutritious Foods to Global Food Security and ways to collaborate and join efforts in order to address the challenges:</p> <ul style="list-style-type: none"> ➤ Mr. Roberto Ciati <i>Vice President Scientific & Governmental Relations, Barilla Group</i> ➤ Dr. Klaus Kraemer <i>Managing Director, DSM Sights and Life Foundation</i> ➤ Mauro Fontana <i>Managing Director & Technical Scientific Director of Soremartec Italia (the R&D Italian Company of Ferrero Group)</i> ➤ Dr. Tia Rains <i>Scientific Advisor, International Egg Foundation</i> ➤ Rupert Maitland-Titterton <i>Senior Director Corporate Affairs EMEA, Kellogg</i>
10:15	Coffee Break

10:45	<p>Chair: Lawrence Haddad GAIN</p> <p>Panel 5: The role of International Organizations: emerging themes, recommendations for research and action to continue the collaboration at the FAO – WHO Conference</p> <ul style="list-style-type: none"> ➤ Dr. Renata Clarke Director Food Safety, FAO ➤ Dr. Svetlana Akselrod Assistant Director-General of WHO
12:30	Lunch at the Casina Pio IV and Networking Opportunities
14:00	<p>Chair: H.E. Msgr. Marcelo Sánchez Sorondo PAS Chancellor</p> <p>Interfaith session: Interfaith leaders: advocates of collaboration to achieve human dignity and meet the SDGs</p> <p>Interfaith representatives will dialogue on how pathways of collaboration can be enhanced, developed and implemented to support, advocate and partner for ending malnutrition.</p> <ul style="list-style-type: none"> ➤ Rabbi Awraham Soetendorp Netherlands ➤ Archbishop Bernard Ntahoturi Archbishop of Canterbury's personal representative to the Holy See and Director of the Anglican Centre in Rome
15:00 15:30	<p>Chairs: Joachim von Braun PAS, Lawrence Haddad GAIN, Bishop Chancellor Marcelo Sánchez Sorondo PAS</p> <p>Review of Workshop Statement, and way forward and closing</p>

List of Participants

ADHANOM GHEBREYESUS Dr. Tedrom Director General of WHO	CONDES Sofia GAIN
AGARWAL Dr. Pawan CEO, Food Safety and Standards Authority of India	DA SILVA Dr. José Graziano Director General of FAO
AKSELROD Dr. Svetlana Assistant Director-General of WHO	FANZO Dr. Jessica Senior Programme Officer, UN FAO and Bloomberg Distinguished Professor, Johns Hopkins University
ANIL Kumar CEO, Food Safety and Standards Authority of India	FONTANA Mauro Managing Director & Technical Scientific Director of Soremartec Italia (the R&D Italian Company of Ferrero Group)
AYALEW Dr. Amare Director of Partnership for Aflatoxin Control, Africa	GALLAGHER H.E. Msgr. Paul Richard Secretary for Relations with States of the Holy See
BAGNATO Dr. Vanderlei S. University of São Paulo	GARRETT Greg S. Director of Food Policy and Finance, GAIN
BALI Ms. Vinita GAIN	GODFREY Steve GAIN
BOUIS Dr. Howarth CEO, HarvestPlus	GONZALEZ DIEZ Ms. Amparo Head of Economic and Trade Section, EU Delegation to Sierra Leone
CHICA ARELLANO Msgr. Fernando The Holy See Permanent Observer at the FAO	GRACE Dr. Delia Program Leader, International Livestock Research Institute
CIATI Mr. Roberto Vice President Scientific & Governmental Relations, Barilla Group	
CLARKE Dr. Renata Director Food Safety, FAO	

<p>HADDAD Dr. Lawrence Executive Director, Global Alliance for Improved Nutrition (GAIN)</p>	<p>OMARI Dr. Rose Researcher, CSIR-STEPRI, Ghana</p>
<p>HAGIWARA Mr. Takayuki Service Chief, Asia and the Pacific Service, Investment Centre</p>	<p>RAINS Dr. Tia Scientific Advisor, International Egg Foundation</p>
<p>JAFFEE Dr. Steven Lead Agricultural Economist, World Bank</p>	<p>RIVERA Dr. Juan Director of the Mexican Institute of Public Health (INSP)</p>
<p>KRAEMER Dr. Klaus Managing Director, DSM Sight and Life Foundation</p>	<p>ROLLE Rosa S., Ph.D Senior Enterprise Development Officer, FAO</p>
<p>MAITLAND-TITTERTON Rupert Senior Director Corporate Affairs EMEA, Kellogg</p>	<p>SÁNCHEZ SORONDO H.E. Msgr. Marcelo Chancellor of the Pontifical Academy of Sciences</p>
<p>MILLER Prof. J. David Department of Chemistry, Carleton University</p>	<p>SANZ Dr. Yolanda My New Gut project, Institute of Agrochemistry and Food Technology, Spanish National Research Council</p>
<p>MIYAGISHIMA Dr. Kazuaki Director Office of Food Safety and Zoonoses, WHO</p>	<p>SHANKAR Daya CEO, Food Safety and Standards Authority of India</p>
<p>NEAL Dr. Bruce Deputy Executive Director, The George Institute for Global Health, Australia</p>	<p>SOETENDORP Rabbi Avraham Netherlands</p>
<p>NEUFELD Dr. Lynnette Director for Knowledge Leadership, GAIN</p>	<p>UDOMKESMALEE Dr. Emorn Co-Chair, Global Nutrition Report's International Expert Group</p>
<p>NIKOLAKOPOULOU Ms. Alexandra Head of Unit, Food Information and Food Waste, at DG Health and Food Safety, DG SANTE European Commission</p>	<p>VON BRAUN Prof. Joachim President of the Pontifical Academy of Sciences</p>
<p>NTAHOTURI Archb. Bernard Archbishop of Canterbury's personal representative to the Holy See and Director of the Anglican Centre in Rome</p>	<p>ZINSSTAG-KLOPFENSTEIN Dr. Jakob Deputy Head, Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute</p>

Memorandum

- On 12 and 13 September a bus will leave the Casa Bonus Pastor at 8.30 a.m. for the Academy and at 8.45 a.m. from the Domus Sanctae Marthae.
- On 12 September a bus will depart from the Academy after dinner (at about 7.30 p.m.) to take participants back to the hotels.
- On 13 September a bus will depart from the Academy at the end of the afternoon session (at about h. 4.00 p.m.) to take participants back to the hotels.
- If you are a vegetarian or have any dietary restrictions, food allergies and/or religious restrictions please let us know as soon as possible.
- Wifi credentials:
Network: WLAN_PADS_2017
Password: !!wifi-2017!!



MEDIA ENQUIRIES

 All journalists and media organizations wishing to apply for accreditation may request TEMPORARY accreditation through the online form of the Media Operations Section of the Holy See Press Office website: <http://press.vatican.va/content/salastampa/en/accrediti/pubblico/> **accredito**. Journalists and media organizations regularly accredited at the Holy See Press Office may send their request through the usual channels. All requests must be sent no less than 48 hours before the event.

 I giornalisti e gli operatori media che intendono partecipare devono inviare richiesta di accreditamento TEMPORANEO attraverso il modulo disponibile online nella sezione accrediti del sito della Sala Stampa della Santa Sede: press.vatican.va/accredimenti. Coloro che già dispongono di accredito ordinario valido devono inviare una richiesta di partecipazione secondo le consuete modalità. Tutte le richieste dovranno pervenire entro 48 ore dall'evento.

 Todos los periodistas y gráficos que deseen participar deben enviar una solicitud de acreditación TEMPORAL a través del módulo que está disponible online en la sección de acreditaciones de la página web de la Oficina de Prensa de la Santa Sede: press.vatican.va/accredimenti. Los que ya dispongan de acreditación normal válida, deben enviar una solicitud de participación según la modalidad habitual. Todas las peticiones deberán hacerse al menos 48 horas antes del evento.

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