

Rome, 8 September 2017

High Level Panel of Experts on Food Security and Nutrition (HLPE)

HLPE Steering Committee Members

The following 15 world-renowned experts have been appointed by the Bureau of the UN Committee on World Food Security (CFS) to serve as members of the Steering Committee of the HLPE, from the closure of CFS 44 Plenary session (13 October 2017) until the closure of the CFS 46 Plenary session (October 2019).

Mr Patrick Caron (France)

Mr Martin Cole (Australia)

Ms Louise O. Fresco (the Netherlands)

Mr Mahmoud El Solh (Lebanon)

Mr Alex Godoy-Faúndez (Chile)

Ms Maria Kadlečíková (Slovakia)

Ms Eileen Theresa Kennedy (United States of America)

Mr Muhammad Khan (Pakistan)

Mr Xiande Li (People's Republic of China)

Mr Paul Mapfumo (Zimbabwe)

Mr Mohammad Saeid Noori Naeini (Islamic Republic of Iran)

Ms Elisabetta Gioconda Iole Giovanna Recine (Brazil)

Ms Shiney Varghese (India)

Mr Martin Yemefack (Cameroon)

Mr Rami Zurayk (Lebanon)

Members of the HLPE Steering Committee participate to the work of the HLPE in their individual capacities and not as representatives of their respective governments, institutions or organizations.

Patrick Caron



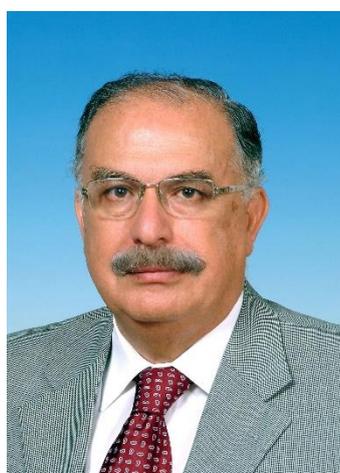
Patrick Caron is a veterinary doctor, PhD in development geography. He is a specialist of farming systems and territorial dynamics, with a special focus on livestock farming. He joined CIRAD in 1988 where he has been Director-General for research and strategy from 2010 to 2016, after having served as scientific director for the "Territories, Environment and People" Department of CIRAD (2001-2004) and as "Environments and Societies" Department director from 2007 to 2010. His works relate to the analysis of the role of agriculture and livestock in rural transformations, particularly in Brazil, Southern Africa and the Near East. He specially looks at the trans-scales combination of processes and actions (from household to international levels) which underpin changes at the territorial level, and, in return, at the capacity of territory to play a regulatory function. He is a member of many institutional and inter-institutional bodies. He is in particular chairing the Scientific Council of AgroParisTech. He is a member of several journals' editorial committees and worked in several scientific committees of international conferences. In 2015 he chaired the Organizing committee of the Global Science Conference on Climate Smart Agriculture (Montpellier, France), in 2016 of the international conference Agrichains and sustainable development. He is the author of more than two hundred publications in international journals and conference proceedings. He served as the Chair of the HLPE Steering Committee for the mandate 2015-2017.

Martin Cole



Martin Cole is currently the Deputy Director for Agriculture and Food within the Commonwealth Science and Industrial Research Organisation (CSIRO) in Australia. He is an internationally recognised food scientist and accomplished science leader with over 30 years' experience in research management across government, academia and industry. Prior to his current role, he was Director of the U.S. National Center for Food Safety and Technology (NCFST), an FDA Centre of Excellence, based in Chicago, Illinois. Professor Cole has published and presented on many aspects of food science including food safety, novel processing, nutrition and food security. He has over 15 years' experience with the CODEX Food Hygiene Committee and has frequently been called upon as an expert by organizations such as the World Health Organization (WHO), the Food and Agriculture Organization (FAO) as well as the US House of Representatives. He is currently the Chair of the International Commission on the Microbiological Specifications for Food (ICMSF), Chair of the Food Security Taskforce for the International Union of Food Science and Technology (IuFoST). He is also a Director of Food Standards Australia New Zealand (FSANZ), Adjunct Professor at the Tasmanian Institute of Agricultural Science, University of Tasmania and a graduate of Australian Institute of Company Directors

Mahmoud El Solh



Mahmoud El Solh has more than 40 years of contribution to agricultural research and development to enhance food security and nutrition as well as human and institutional development in the Middle East, North and Eastern Africa, Central and South Asia. He holds a PhD in Genetics from the University of California, Davis, USA. He has been associated with international agricultural research and development in the dry areas since 1972 when he joined the Arid Land Agricultural Development (ALAD) Program of the Ford Foundation in the Near East. He then served the International Center for Agricultural Research in Dry Areas (ICARDA) with distinction for nearly 16 years in various capacities, including as Assistant Director General for International Cooperation (1997-2002) and as Director General from May 2006 to October 2016. Dr El Solh's professional activities include being Associate Professor at the Faculty of Agriculture and Food Sciences of the American University of Beirut between 1980 to 1986 and being Director of Plant Production and Protection Division at FAO (from 2002 to 2006). Dr El Solh has in-depth knowledge of needs and aspirations of national agricultural research and development systems particularly in non-tropical dry areas. He has been

involved in planning, implementation and evaluation of programs and projects in agricultural research for development; human resources and institutional development of national agricultural systems. Dr El Solh is the author of more than 120 publications, papers and articles. His contribution to agricultural research and development has been recognized through several prestigious awards and honours.

Louise Fresco



Louise Fresco is currently President of the Wageningen University and Research, in the Netherlands. She combines a long national and international academic career, with an extensive involvement in policy and development. She received two national prizes – Comenius and Groeneveld – for her work. She is a member of five Academies, including the Dutch Royal Academy of Sciences, and is Distinguished Visiting Scholar at the Academy of Sciences of South Africa. She served for nearly ten years as Assistant Director-General at the UN-FAO. She is also a member of the Trilateral Commission, of the Council of Advisors of the World Food Prize, and of the Socio-Economic Council, the highest advisory body in the Netherlands. In 2014 she chaired the evaluation of the 7th Framework Program for R&D of the EU Commission. She is non-executive director of Unilever and served in Rabobank's supervisory Board. Involved in many philanthropic and cultural foundations, she serves in the board of the Concertgebouw Orchestra and in the editorial board of the Dutch literary magazine *De Gids*. She authored twelve books, including three novels. She has a fortnightly column in the leading daily *NRC*, and published numerous op-eds, including the famous Science editorial "*The GMO Stalemate in Europe*". In 2009, she gave a TED talk in Palm Springs and participated in the Nobel Prize Dialogues in Stockholm and Tokyo. She served as a member of the HLPE Steering Committee for the mandate 2015-2017.

Alex Godoy-Faúndez



Alex Godoy-Faúndez is currently Director of Sustainability Research Center & Strategic Resource Management and Academic Director of Master's program in Sustainability Management at School of Engineering at Universidad del Desarrollo. He is also Research Associate to the Water Research Center for Agriculture and Mining (WARCAM), awarded in Fifth National Competition for Research Centers in Priority Areas (FONDAP in Spanish) of National Commission for Scientific & Technological Research; Head of Waste to Energy Research & Technology - Chile at WTERT Council and Research Associate at Earth Engineering Center at Columbia University. In his career, Dr Godoy always had a strong involvement as member of advisory boards into governmental institutions such as CONICYT, National Commission in Innovation and Development (CNID), Ministry of Environment, Ministry of Finance and Ministry of Energy; consultant in environmental innovation and advisor in public affairs, referee for peer-reviewed journals and environmental projects as well as columnist in Newspaper, (Online Edition) on "Sustainable Development, Sustainable Science and Public Affairs". Since 2015, Dr Godoy is a member of the Global Young Academy, aiming to empower and mobilize young scientists to address issues of importance to early career scientists; he is also a member of Nexus KAN of Future Earth organization, an international research programme for global sustainability working on Water-Energy-Food Security nexus.

Maria Kadlečíková



Mária Kadlečíková works as Professor at the Slovak University of Agriculture (SUA), Faculty of Management, Nitra, Slovak Republic. She delivers lectures on Strategy Management, Agricultural Extension and Business Consultancy. In 1977 she obtained her PhD in Agricultural Economics and was decorated honoris causa at the Saint Steven University, in Hungary and at the Ukrainian University of Life Sciences in Kiev. Dr Kadlečíková is a member of the Slovak Agricultural Academy of Science, member of several editorial boards for scientific journals as well as member of the international Jury for the Agrofilm festival. She published a number of textbooks in the areas of management, agricultural extension and human resource management currently utilized in many universities in Poland, Czech Republic and in Hungary. In 1985 she was appointed Vice-rector at SUA. From 1993 to 1997 she represented Slovakia as Permanent Representative to FAO and WFP. From July 1997 she was appointed as Director of Agroinstitut. In 1998 she was elected to the Slovak National Council. From 2001 to 2002 she acted as Deputy Prime Minister for European Integration. From November 2002 she was appointed to the position FAO Sub-regional Representative for Central and Eastern Europe and from September 2007 to April 2010 she was in the position FAO Regional Representative for Europe and Central Asia. She is regularly participating at the high level round table discussions linked to agricultural and EU issues. In 2010, President of Hungary decorated her with Hungarian Civil Cross and in the same year she was decorated with Memorial Medal of Armenian Prime Minister.

Eileen Kennedy



member of the HLPE Steering Committee for the mandate 2015-2017.

Eileen Kennedy is Professor of Nutrition and former Dean of the Friedman School of Nutrition Science and Policy. She received her Bachelor's Degree from Hunter College in New York City, a Masters in nutrition from the Pennsylvania State University and a Masters and Doctor of Science degree from the Harvard School of Public Health. Dr Kennedy has over 30 years' experience in US domestic and international policy. Her research has focused on the effects of government policies and programs on health, nutrition, food security and poverty alleviation. She was part of the development of TEAM nutrition program within USDA. Dr. Kennedy was the chief architect of the Healthy Eating Index, a single summary measure of diet quality used by government agencies for monitoring and evaluation. Dr. Kennedy has held academic appointments at Tufts University, Columbia University, Cornell and Johns Hopkins School of Advanced International Studies. In conjunction with Dr. David Satcher, surgeon general, Dr. Kennedy co-chaired the 2000 US National Nutrition Summit. Dr. Kennedy was a member of the UN/SCN Advisory Group on Nutrition. In 2014 she was appointed to the Global Council on Food and Nutrition Security of the World Economic Forum. She served as a

Muhammad Azeem Khan



worked jointly with rural communities and the private sector for the commercialization of new technologies and agricultural products in Pakistan. He served as a member of the HLPE Steering Committee for the mandate 2015-2017.

Muhammad Azeem Khan holds a PhD in Resource Economics from the University of Reading, UK and is the Director General of the National Agricultural Research Center (NARC) in Islamabad, Pakistan, a federal organization carrying out research in all areas of agriculture including food and fiber crops, horticulture, vegetables, livestock, poultry, fisheries, farm mechanization, natural resources, alternate energy, genetic resources, bio-technology, honey bees, food processing, eco-toxicology etc. As a research manager, Dr Khan's main responsibility lies in the interaction with policy makers, international centers and development partners, for planning R&D activities in high priority areas. Dr Khan is also Dean/Rector of the Pakistan Institute of Advanced Studies in Agriculture (PIASA). Throughout his career, he has focussed on crop-livestock development, coordination of the socio-economic component in the multidisciplinary research (system diagnostic studies, need assessments, priority setting, technological interventions choices, baseline studies, farm profitability analyses, etc.) throughout Pakistan, in collaboration with local research, as well as on Integrated Pest Management (IPM) and impact analysis. As a chief Executive of PARC Agro-Tech Company (PATCO), Dr Khan

Li Xiande



and consultation of two international instruments (Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security (VGGT-CFS) and The Principles for Responsible Investment in Agriculture and Food Systems (RAI-CFS)). Since 2007, Dr Li has been involved intensively in the activities related to Sino-African Agricultural Cooperation. Dr Li is also a frequent commentator on food security and rural development with China Central Television (CCTV) and China Radio International (CRI).

Li Xiande is Professor at the Chinese Academy of Agricultural Sciences (CAAS). Dr Li received his Ph.D. in development economics from the Ecole des Hautes Etudes en Sciences Sociales (EHESS) in 2000 (with mention) in Paris and then served as consultant in OECD (Organisation for Economic Co-operation and Development) in Paris from 2000 to 2001, subsequently as Post-Doc Researcher in the Institut National de la Recherche Agronomique (INRA) until November 2012. He joined CAAS through its internationally competitive "Outstanding Talent Recruitment Program" in late 2002. Dr Li has conducted numerous research works as a principal investigator, including projects funded by Chinese Ministry of Agriculture (MOA), Ministry of Science and Technology (MOST), Ministry of Commerce (MOFCOM), and by National Natural Science Foundation of China and National Social Science Foundation of China. His research focuses mainly on food security, land management and trade issues. He has published five books and more than 100 academic papers in Chinese and international journals such as Land Use Policy and The Journal of Peasant Studies. Dr Li has been long involved in the food and agricultural policy formulation process, in particular, as a government delegate in the negotiation

Paul Mapfumo



Paul Mapfumo is a Zimbabwean national and holds a Doctor of Philosophy Degree in Soil Science from the University of Zimbabwe (UZ). He is currently Professor of Soil Science with the UZ where he is also Chairman of Research Board and Regional Coordinator for the Soil Fertility Consortium for Southern Africa (SOFECSA). Professor Mapfumo did his post-doctoral research in 2000-2003 on nutrient cycling in tropical agroecosystems of East and Southern Africa quantifying nitrogen loss pathways in smallholder farming systems. He introduced the indigenous legume fallow concept under his Young African Award Grant with Rockefeller Foundation in 2003-2005, before co-founding SOFECSA with other regional and international scientists in 2005. In 2006 he joined CIMMYT Int. as Soil Scientist and SOFECSA Coordinator returning to UZ in 2013 after being awarded full professorship. Professor Mapfumo's has led many interdisciplinary and multi-institutional research and technical advisory initiatives at regional and international level in the areas of integrated soil fertility management (ISFM); integrated agricultural research for development (IAR4D); Agroecology, Climate Smart Agriculture (CSA), climate change adaptation; agricultural systems analysis.

Professor Mapfumo has wide experience in working with African smallholder communities and diverse development actors in public, private and NGOs sectors in impact-oriented and transformative development research, and linking scientific evidence to policy. He is currently Co-PI for projects on soil geochemistry applications in agriculture and health under the Royal Society/DFID - Africa Capacity Strengthening Initiative; and on supporting smallholder farmers to reduce climate risk in crop production and post-harvest management.

Mohammad Saeid Noori Naeini



Mohammad Saeid Noori Naeini is currently member of the High Level Monitoring Committee for Restoration of Lake Urmia, western Iran. He obtained his MS in Agricultural Economics from the University of Tehran and his PhD in International Economics and Development (Supporting Fields: Farm Management and Production Economics, Economic Theory) from Cornell University. He is Professor of International economic development at Shahid Beheshti University, having served 7 years as the Vice-President of the University. His whole career has been devoted to agriculture, food security and the food and nutrition welfare of rural and urban people, both in his home country of Iran and internationally. Highlights of particular importance for Food Security include: Chairmanship of the Intergovernmental Working Group for the Elaboration of a Set of Voluntary Guidelines to Support the Progressive Realization of the Right to Adequate Food in the Context of National Food Security (2003 – 2004); Chairman of the Committee on World Food Security (1998-2000); Chairmanship of the FAO Conference Committee on Follow-up to Independent External Evaluation of FAO (November 2007 – 2009); Independent Chairperson of the FAO Council (November 2005-2009); and

President of WFP's Executive Board (2000). Dr Noori Naeini has extensively published and presented at international conferences worldwide. He translated to Persian two Nobel Prize winners' books: Amartya Sen's "Development as Freedom" and Theodore Schultz's "Transforming Traditional Agriculture". He served as member of the HLPE Steering Committee for the mandate 2015-2017.

Elisabetta Recine



Elisabetta Recine is a nutritionist with a PhD in Public Health. Professor at the University of Brasília, Brazil, Department of Nutrition, Faculty of Health Sciences, she has academic and governmental experience in food and nutrition policies, food and nutrition security and the right to food. Worked on the implementation of the Food and Nutrition National Policy (Ministry of Health – 2000-2003). President of the Brazilian National Food and Nutrition Security Council (CONSEA), since 2017, adviser board of the Presidency of the Republic. The council is composed of representatives of civil society and government of the different areas: small farmers, women's movements, agro-ecology, sanitary surveillance, health, consumers, urban movements, researchers/academics, indigenous peoples, traditional communities and others. Her professional life has been guided by the perspective of relating the different dimensions of the food system and consumption, determinants of food behaviour, people's health, aiming at the progressive realization of the right to adequate food. Currently, she is also the Coordinator of the Observatory for

Food and Nutrition Security Policies of the University of Brasília. She was member of the HLPE Project Team for the 12th HLPE Report on "Nutrition and Food Systems".

Shiney Varghese



Shiney Varghese is a Senior Policy Analyst at the Minneapolis-based Institute for Agriculture and Trade Policy (IATP). From 2001, Shiney has been leading IATP's advocacy work on the right to water. Since then, she has been active in the campaign that led to the recognition in 2010 of access to safe water as a fundamental human right, and for much of that time, served as the co-chair of the Fresh water caucus at the UN Commission on Sustainable Development. Currently, she is involved in global initiatives on water governance and food security, focusing on the water and climate crises, their impact on food security of small holder producers, especially women, and possible local solutions that emphasize equity, environmental justice and sustainability. She has presented and published extensively on these issues. She has over 20 years of experience in public policy analysis, and prior to this, she worked in India on social and environmental issues for many years with indigenous groups, as well as national and international civil society organizations. She was a member of the HLPE Project team for the 9th HLPE report on "Water for food security and nutrition" (2015).

Martin Yemefack



Martin Yemefack is Visiting Scientist at the International Institute of Tropical Agriculture (IITA-Cameroon), President of Africa Soil Science Society (ASSS) from 2007 to 2016, Expert Member of the Intergovernmental Technical Panel on Soil (ITPS) within the Global Soil Partnership (GSP) since 2013. With a PhD in soil science and land evaluation, he is an Associated Research Professor in Agricultural Research and within the UMMISCO unit of the University of Yaoundé 1. His career in agricultural research for development has led him to specialize in the use of spatial modelling tools for land, land use and environmental resources evaluation, especially within the small-scale farming environment of the tropics where climate-dependent shifting cultivation is the main practice. With the increasing impact of temporal climate variations within this environment, the notion of climate change has also gain ground in his career. Over more than 25 years of on-farm research, he has accumulated a valuable experience on in-depth understanding of the tropical environment and its transformation into more productive system to guarantee food security, life quality and improved livelihood of related populations. He has produced more than 80 related scientific publications. He

has also served from 2006 to 2014 as head of the unit coordinating national research activities in the Cameroonian Ministry of Scientific Research and Innovation. He served as member of the HLPE Steering Committee for the mandate 2015-2017.

Rami Zurayk



Rami Zurayk is professor at the Faculty of Agricultural and Food Sciences at the American University of Beirut, chair of the department of Landscape Design and Ecosystem Management. A veteran civil society activist, he is a founding member of the Arab Food Sovereignty Network, an advisory board member of SEAL (Social and Economic Action for Lebanon) and a policy advisor for Al Shabaka, the Palestinian Policy Network. He is also an editorial advisory board member for the Journal of Agriculture, Food Systems and Community Development. He has served as advisor to the minister of agriculture in Lebanon in the years 2004-2005 and 2006-2008, and has worked and written extensively on the Arab World, focusing on the political ecology of Arab food security and its linkages with the agrarian question. With over 100 journal articles, books and technical reports, his latest work includes *The Arab Uprisings through an Agrarian Lens*; *Bread and Olive Oil: The Agrarian Roots of the Arab Uprisings* (with Anne Gough, Cambridge, 2014); *Control Food, Control People: The Struggle for Food Security in Gaza* (with Anne Gough, IPS, 2013) and *Food, Farming and Freedom: Sowing the Arab Spring* (Just World Books, 2011). He obtained his BSc and MSc from the American University of

Beirut and his DPhil from Oxford University. He is a member of the EAT-Lancet commission on sustainable diets from sustainable food systems. He served as member of the HLPE Steering Committee for the mandate 2015-2017.



HLPE
High Level
Panel of Experts

The Committee on World Food Security (CFS) and the High Level Panel of Experts for Food Security and Nutrition (HLPE)

The **Committee on World Food Security (CFS)** is the foremost inclusive and evidence-based international and intergovernmental platform for food security and nutrition, where policies can be designed, interventions can be coordinated, options can be shared and decisions at different levels can be prepared.

The **CFS** is inclusive. In addition to member countries, the Committee includes a wider range of organizations working on food security and nutrition, from UN agencies like FAO, IFAD, WFP, the UN Secretary-General's High-Level Task Force on the Global Food Security Crisis and other UN bodies. It also includes the private sector, the civil society and nongovernmental organizations, particularly organizations representing smallholder family farmers, fisherfolks, herders, landless, urban poor, agricultural and food workers, women, youth, consumers and indigenous people.

The **CFS** is evidence-based. The **High Level Panel of Experts for Food Security and Nutrition (HLPE)** was created in October 2009 as an essential element of the reform of the **CFS**, as its science-policy interface.

The **HLPE** produces, at **CFS**'s request, independent assessments to provide analysis, understanding and advice on urgent policy relevant questions.

HLPE reports serve as a common, comprehensive, evidence-based starting point for intergovernmental and international multi-stakeholder policy debates at **CFS**.

Key functions of the HLPE, as stated in the CFS reform document (2009)

As directed by the CFS Plenary and Bureau, the HLPE will:

1. Assess and analyze the current state of food security and nutrition and its underlying causes.
2. Provide scientific and knowledge-based analysis and advice on specific policy-relevant issues, utilizing existing high quality research, data and technical studies.
3. Identify emerging issues, and help members prioritize future actions and attentions on key focal areas.

The **HLPE** has a two-tier structure:

- A **Steering Committee** composed of 15 internationally recognized experts in a variety of food security and nutrition related fields. The Steering Committee is appointed by the CFS.
- **Project Teams** acting on a project-specific basis, selected and managed by the StC.

HLPE's links to **CFS** ensures the relevance of its work and its insertion in a concrete political agenda at international level.

The **HLPE** produces its recommendations and advice independently from governmental positions, in order to enrich discussions and debates at **CFS**. The internal process is crafted to guarantee the scientific inclusiveness and the independence of the **HLPE**.

The **HLPE** aims to help **CFS** to better understand the diversity of issues and rationales when dealing with food and nutrition insecurity. It thrives to clarify contradictory information and knowledge, elicit the backgrounds and rationales of controversies, and identify emerging issues. The **HLPE** organizes a scientific dialogue, built upon the diversity of disciplines, backgrounds, knowledge systems, the diversity of its Steering Committee and Project Teams, and open e-consultations.

The **HLPE** is not mandated to conduct new research. The **HLPE** draws its studies based on existing research and knowledge already conducted by various expertise-providing institutions (universities, research institutes, international organizations etc), and adding value by global, multi-sectoral and multidisciplinary analysis.

HLPE recommendations and studies combine scientific knowledge with experiences from the ground, in a same rigorous process. The **HLPE** translates the richness and variety of forms of expert knowledge from many actors (knowledge of local implementation, knowledge based on global research and knowledge of "best practice") that draw on both local and global sources, into policy-related forms of knowledge.

HLPE Steering Committee members and Project Team members participate to the work of the High Level Panel of Experts in their individual capacities and not as representatives of their respective governments, institutions or organizations

More information about the **HLPE** can be found on its website: www.fao.org/cfs/cfs-hlpe