

MOP 31

MONTREAL PROTOCOL
ROMA 2019

31ST MEETING OF
THE PARTIES TO THE
MONTREAL PROTOCOL

7 November 2019
Rome, Italy

High-Level Roundtable Discussion

**Contribution of the Montreal Protocol
to food loss reduction through
sustainable cold chain development**



ABOUT THE PANEL

Paving the way to address food loss

Saving the food that is currently being lost or wasted globally may no longer be just an aspiration.

The 2030 Agenda for Sustainable Development asks the international community to put in place sound policies, infrastructure and appropriate technology to prevent food loss and waste, allowing farmers to get their products to the market in excellent condition.

Food loss and waste currently amounts to billions of dollars both in developed and in developing countries while a little over 820 million people suffer from hunger.

The Montreal Protocol and its Kigali Amendment have contributed to raise awareness about the need to develop sustainable solutions in the refrigeration and air-conditioning sector to address the demand for both cooling systems for human comfort and cold chains for preservation of food and vaccines.

Ministers and experts at the roundtable will discuss how to address food loss by putting in place sustainable cold chains that encompass refrigerated storage and transport.

The panel will also address the importance of pursuing national actions and international cooperation to promote the development of the cold chain using sustainable and environmentally friendly refrigeration to reduce food loss and more specifically address the following issues:

- The key role of cold chains in the implementation of the 2030 Agenda
- The importance of the Kigali Amendment in introducing low-global-warming-potential technologies to the cold chain sector
- The development of synergies between Montreal Protocol bodies and other organizations working to end food loss and waste
- Opportunities to share knowledge on best practices, research and development, project development and financing to support the future contribution of the cold chain sector to the achievement of the Sustainable Development Goals and the aims of the Kigali Amendment

The panel will address the issue of cooperation and coordination between governments, the specialized agencies of the United Nations, existing private and public initiatives and relevant stakeholders. The panelists will also underline the need to share and promote innovations in energy efficient solutions and technologies to reduce the use of substances controlled by the Montreal Protocol in the development of the cold chain while reducing food loss and waste.



PANELISTS

Inger Andersen

Inger Andersen is Executive Director of the United Nations Environment Programme and Under-Secretary-General of the United Nations. Between 2015 and 2019, Ms Andersen was the Director General of the International Union for Conservation of Nature (IUCN).

She brings a passion for conservation and sustainable development with more than 30 years of experience in international development economics, environmental sustainability and policy-making, as well as in designing and implementing projects and generating on-the-ground impact.

Ms Andersen has played a key role in supporting riparian countries on international water management and hydro diplomacy. She also held various leadership roles at the World Bank for 15 years including as Vice President of the Middle East and North Africa and Vice President for Sustainable Development and at the United Nations starting in the UN Sudano-Sahelian Office working on drought and desertification issues.

Twitter: @andersen_inger



David Appel

David Appel is President, Refrigeration, for Carrier (co-chair of the Global Food Cold Chain Council), leading the company's US\$4 billion global transport and commercial refrigeration businesses and cold chain monitoring solutions. He is responsible for driving profitable growth through operational excellence and advancing products and services that protect and preserve the world's supply of food and pharmaceuticals.

Mr Appel has more than 30 years of international experience with United Technologies. He has held numerous leadership roles at Carrier, including Managing Director for Toshiba Carrier UK; Vice President, European Heating, Ventilating and Air Conditioning (HVAC) Distribution; President, Building Systems & Service Europe, Middle East, Africa (EMEA); and President, HVAC Europe, Middle East and Africa. He was named President of Carrier's Refrigeration business in 2010.

Twitter: @SmartColdChain



René Castro-Salazar

René Castro-Salazar is the Assistant Director-General, Climate, Biodiversity, Land and Water Department at Food and Agriculture Organization of the United Nations (FAO).

Prior to joining FAO, Mr Castro-Salazar served as Minister of Natural Resources, Minister of Foreign Affairs and Minister of Environment and Energy in Costa Rica.

He has lectured in prestigious universities such as Harvard, Tokyo University, Yale, Zurich Tech, INCAE and in several Latin American Universities and authored numerous articles on policy, energy, sustainable development and climate change.

Twitter: @FAO



Sergio Costa

Sergio Costa is Italy's Minister for the Environment, Land and Sea.

Prior to his appointment, Mr Costa served in various capacities in the State Forestry Corps (Corpo Forestale dello Stato). He served as regional, provincial and vice commander of Basilicata and as provincial commander of Naples and Regional Commander of Campania.

Upon the merging of the Forestry Corps with the Carabinieri, he served as Brigadier General and as Commander of the Forestry Carabinieri Corps of the Campania Region.

From 2005 to 2008, in Naples he served as Commander of the Provincial Police. He is known in the lecture circuit for his passionate talks and interventions on environmental issues.

Twitter: @SergioCosta_min



Liz Goodwin

Dr Liz Goodwin is World Resources Institute's first Senior Fellow and Director, Food Loss and Waste.

A chemist by background, Dr Goodwin spent her early career at ICI but she began to move towards the environmental sector at Zeneca and subsequently Syngenta. Realising the vital role that care for the environment was likely to have in the future, from 2007 until 2016, she took the role of CEO at the Waste and Resources Action Programme (WRAP). During her period of leadership, United Kingdom recycling rates increased from 9 per cent to 43 per cent, food waste was reduced by 21 per cent in five years.

Dr Goodwin is also a Champion of the UN Sustainable Development Goal 12.3 whose aim is to halve food waste around the globe by 2030.

In 2015 Dr Goodwin was awarded the Most Excellent Order of the British Empire for services to the business resource efficiency and the environment.

Twitter: @LizGoodwin



Bintony Kutsaira

Bintony Kutsaira is the Minister of Natural Resources, Energy and Mining of Malawi.

A seasoned politician with astute understanding of both public and private sector, Mr Kutsaira has filled high level positions, such as a Cabinet Minister, Deputy Minister of Agriculture and Food Security, Deputy Minister of Irrigation and Water Development, Member of Parliament and Director General for the National Intelligence Bureau.



Krista Mikkonen

Krista Mikkonen is Finland's Minister of the Environment and Climate Change.

In 2015, Ms Mikkonen was elected to Parliament for the first time. She chaired the Green Parliamentary Group from 2016 to 2019. She was the deputy party leader of the Greens from 2011 to 2015. Prior to this, she served in different bodies of the party. Since 2005 Ms Mikkonen is also serving as a Joensuu City Council Member.



Environment, biodiversity, education and equality, and combatting poverty are the hallmarks of Ms Mikkonen's political life.

During her career, she worked at the North Karelia Environment Centre, the Sports Federation of North Karelia and Waste Management Company Puhas Oy. She has also written various papers on nature and environmental issues for the Cooperative of Environmental Specialists.

Twitter: @MikkonenKrista

C.K. Mishra

C.K. Mishra heads the Ministry of Environment, Forest and Climate Change of India.

Over the years Mr Mishra has spearheaded the Indian efforts to address issues such as climate change, pollution and air quality. Throughout his career he has led the Indian negotiations at important forums such as United Nations Framework Convention on Climate Change (Conference of the Parties (COP)); Montreal

Protocol on Substances that Deplete the Ozone Layer and various other multilateral treaties. He is also the administrative head of Forest & Wildlife conservation efforts in India.

Prior to his appointment, Mr Mishra served as Secretary, Ministry of Health & Family Welfare and as Secretary & Mission Director of National Health Mission, where he led one of the largest public health programme.

With more 30 years of public service, Mr Mishra has served as an administrator, policy-maker and public health strategist holding a wide range of assignments in the fields of health, education, industry and power. He is recognised for his significant contributions to improving the Indian Public Health landscape. He has been the force behind 'Mission Indradhanush' – the largest ever focussed campaign to immunize children.

Twitter: @moefcc



Khadeeja Naseem

Khadeeja Naseem is the Deputy Minister of Environment in the Maldives. As Deputy Minister, she oversees the policies and work related to climate change.

Prior to her appointment as Deputy Minister, Ms Naseem worked on various World Bank and UNDP funded development projects in the Maldives. She also has extensive experience in climate finance, and disaster risk management.



Jose Raul Rios

Jose Raul Rios is the supply chain and project manager at Agropecuaria Malichita, a leading company in Northwest Mexico that grows, packs and distributes fruits and vegetables in Canada, Mexico and United States of America. With over 10 years of experience in agribusiness, he is responsible for the cold chain, logistics, quality and export of 135,000 tonnes of fresh produce annually.

Mr Rios has led projects to increase the shelf-life of numerous produce and has implemented harvesting and post-harvesting technologies that have doubled shelf-life drastically reducing food waste resulting in a 30 per cent decline in consumer complaints.



Jim Walker

Jim Walker is the Director of Partnerships, Sustainable Energy for All. Mr Walker leads development of partnerships with the private sector, civil society, governments and UN agencies, as well as mobilizing resources from donors, philanthropy and other sources.

He has lived and worked in China, and has 20 years of experience working with businesses, cities and states to drive solutions on climate, water, clean energy, sustainability reporting, merger and acquisition, and environmental risk. He was a co-founder of The Climate Group and was founding CEO of the We Mean Business coalition.



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The Ozone Secretariat is the Secretariat for the Vienna Convention for the Protection of the Ozone Layer and for the Montreal Protocol on Substances that Deplete the Ozone Layer. Based at the UN Environment Programme offices in Nairobi, Kenya, the Secretariat functions in accordance with Article 7 of the Vienna Convention and Article 12 of the Montreal Protocol.



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