ICAO Aviation Green Recovery Seminar

PROGRAMME AGENDA
01.

SEMINAR AGENDA
DAY 1

23 November 2020 (Monday)

08:00 – 08:30 ET  WELCOME AND INTRODUCTION

The opening session will introduce the background and objectives of the seminar. Keynotes will be provided by key figures to emphasize the need for build back better to share aviation’s green future.

There will be keynote speech delivered by:
- Fang Liu, Secretary-General – International Civil Aviation Organization (ICAO)
- Petteri Taalas, Secretary-General – World Meteorological Organization (WMO)

08:30 – 09:45 ET  SESSION 1: CLIMATE CRISIS AND AVIATION

The global call to accelerate the shift towards climate-driven action has increasingly gained momentum since the beginning of the COVID-19 pandemic, with significant focus being placed on how the global community can build back better, coupled with a significant growth in the aspirations for a green aviation recovery. This session will provide context and put aviation and the global climate change into perspective.

The session will be opened by keynote speech delivered by:
- Selwin Hart, Special Adviser, Assistant Secretary General for Climate Action Team – United Nations

There will be an introductory presentation by ICAO, followed by presentations by the speakers on the following topics:
- Environmental disruptions, climate change, and epidemics – Mark Radka, Chief, Energy and Climate Branch – UN Environment
- Systematic perspective on the environmental impact of different transport modes – Andreas Schafer, Professor – University College London (UCL)
- Industry’s plan for green recovery: lessons learned from ATAG Forum, and Waypoint 2050 – Michael Gill, Executive Director – Air Transport Action Group (ATAG)
- Magnitude of impacts and costs of climate change in aviation – Hélène Galy, Willis Research Network Director, Willis Towers Watson
- Civil society and citizen movements: further call for action to tackle climate change – Annie Petsonk, EDF International Counsel – International Coalition for Sustainable Aviation (ICSA)
SESSION 2: DEEP DECARBONISATION PATHWAYS

From an aviation’s green recovery perspective, this session will focus on possible options to enable decarbonisation of the sector, addressing all elements of ICAO basket of CO₂ mitigation measures, including aircraft technology and innovations, operational and infrastructural improvements, sustainable fuels and clean energy, and the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).

There will be an introductory presentation by ICAO to build on the results of the ICAO stocktaking seminar on aviation in-sector CO₂ emissions reductions (8–11 September 2020), followed by a panel discussion between the following panelists:

- Julie Kitcher, Executive Vice President Communications and Corporate Affairs – Airbus
- Marie Masson, Public Affairs and B2G Partnership Manager – Lilium GmbH
- Sami Jauhiainen, Vice President, Business Development, Renewable Aviation – Neste
- Denise Pronk, Head of sustainability – Royal Schiphol Group
- Jacob Teter, Transport Energy Analyst – International Energy Agency (IEA)
- Grégoire Carpentier, Project Leader – The Shift Project
- David Doherty, Energy Specialist – BloombergNEF
- Dirk Forrister, President and CEO – International Emissions Trading Association (IETA)
08:00 – 08:05 ET  WELCOME BACK/HOUSEKEEPING REMINDERS

08:05 – 09:40 ET  SESSION 3: SUPPORTING GREEN RECOVERY BEYOND AVIATION

Solidarity

While the international aviation sector embarks on its own path toward a green recovery from the COVID-19 pandemic, the actions undertaken by the sector will also be instrumental to the green and resilient recovery in other areas, including climate observation, land conservation, biodiversity preservation, use of renewable energy, climate change adaptation, and the use of drones.

There will be presentations by the speakers on the following topics:

- **Climate observation and knowledge through the use of civil aviation aircraft** – Dean Lockett, Scientific Officer – World Meteorological Organization (WMO)
- **Aviation for humanitarian action: resilience to disasters** – Bruno Vandemeulebroecke, Deputy Global Logistics Cluster Coordinator – World Food Programme (WFP)
- **Biodiversity benefits beyond borders** – Becoming Salmon Safe – Marion Town, Director, Environment – Vancouver International Airport
- **Taking action against wildlife trafficking in aviation** – Michelle Owen, Partnership Lead – ROUTES Partnership
- **Drones and artificial intelligence to stop African illegal fisheries** – Younes Moumen, Chief Technology Officer – ATLAN Space
- **Eyes in the sky, feet in the mud: drones and conservation** – Max Wright, Director of Spatial Planning and Priority Setting – Conservation International
- **Environmental emergencies, international cooperation, and the role of aviation** – Charlotta Benedek, Head, UN Environment/OCHA Joint Unit – United Nations Office for the Coordination of Humanitarian Affairs (UNOCHA)
- **Aviation and forest fire fighting** – Artur Mirzoyan – Head of Subdivision of Propulsion & Airframe Matching Department (Russian Federation’s ICAO CAEP Member) – Central Institute of Aviation Motors (CIAM), Russian Federation

09:40 – 09:45 ET  ANNOUNCEMENT OF THE DAY
10:00 – 11:40 ET  SESSION 4: AVIATION GLOBAL GREEN RECOVERY, WHAT’S THE PLAN?

Building on the discussions from the previous sessions in particular the solutions and conditions identified in the Session 2, this session will address the concrete actions that are already being planned and undertaken by States to prioritize environmental measures and invest in aviation green technologies and innovations within their COVID-19 recovery.

The session will be a panel discussion between the following panelists:

- Guillermo Hoppe Pacheco – Representative of Costa Rica on the ICAO Council
- Isao Fukushima – Representative of Japan on the ICAO Council
- Mercy Beatrice Awori – Permanent Representative of Kenya to ICAO
- Richard Ossendorp – Representative of the Kingdom of Netherlands on the ICAO Council
- Mohammed Habib – Alternate Representative of Saudi Arabia on the ICAO Council
- Samuel Campbell Lucas – Chairperson of Council Advisory Group on CORSIA, and Representative of Australia on the ICAO Council

The session will be concluded by keynote speech delivered by:

- Nigel Topping, High Level Champion for Climate Action – COP26
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23 – 24 November 2020

Learn more at www.icao.tv/aviation-green-recovery-seminar-2020
or contact us at skylive@icao.int
02.

SPEAKERS PROFILES
Dr. Fang Liu is the Secretary General of the International Civil Aviation Organization (ICAO). She was first appointed for a three-year term starting August 2015, and has recently been reappointed for a consecutive three-year term until July 2021.

Prior to her appointment as Secretary General, Dr. Liu served for eight years as the Director of ICAO’s Bureau of Administration and Services (ADB). During her tenure, she contributed extensively to ICAO’s Senior Management Group and also participated in the High-Level Committee on Management within the United Nations common system. She transformed the administration of ICAO by enhancing efficiencies, improving governance, and providing effective management and support in areas such as human resources, language services, and conference and information technology services.

Prior to joining ICAO, Dr. Liu served the General Administration of Civil Aviation of China (CAAC), where over the course of twenty years she successively held the posts of Legal Counsel, Deputy Director, Director and Deputy Director General, Department of International Affairs and Cooperation. She was responsible for China’s international air transport policy and regulations, bilateral and multilateral relations with international and regional organizations including ICAO, the World Trade Organization, the Asia-Pacific Economic Cooperation (APEC), the European Union, and the Association of Southeast Asian Nations (ASEAN). Dr. Liu was also chief negotiator for the Chinese government for bilateral and multilateral air transport agreements with foreign countries.

During her career with the CAAC, Dr. Liu was elected chair of the Aviation Group of the Asia-Pacific Economic Cooperation (APEC) and was nominated by China to sit on the Air Transport Regulation Panel in ICAO. She also served as an expert on mediation and dispute resolution.

Dr. Liu earned a PhD in international law at Wuhan University, China, and a Master’s degree in air and space law at Leiden University, the Netherlands. She was the Director of the Association of Air Law of China and of the Association of Private International Law of China, and has published articles and delivered lectures on a wide range of topics in international air transport regulation and air law. She speaks Chinese and English and has knowledge of French.
Prof. Petteri Taalas is the Secretary-General of the World Meteorological Organization, with its headquarters in Geneva, Switzerland. He was appointed to serve as Secretary-General in 2015 by the World Meteorological Congress, the supreme body of the Organization. He took up his position in January 2016 for an initial four-year period and was duly re-elected in 2019 by Congress to serve for a second term of four years.

Prior to his appointment as WMO Secretary-General, Prof. Taalas was Director General of the Finnish Meteorological Institute. During this period, he represented Finland at the Intergovernmental Panel on Climate Change.

He has a PhD in Meteorology from the Department of Physics at the University of Helsinki and is the author of around 50 peer-reviewed papers on satellite technology, global change, climate and atmospheric chemistry as well as numerous other publications and presentations.
Mr. Mohamed Khalifa Rahma was appointed Director, Air Transport Bureau of the International Civil Aviation Organization (ICAO) on 5 May 2020. He is responsible for the management of programmes to achieve three of ICAO’s five strategic objectives: security and facilitation, economic development of air transport and environmental protection.

Before his appointment, Mr. Rahma was the Regional Director of the ICAO Middle East Regional Office since March 2016. During his tenure in the Middle East Office, he was instrumental in strengthening regional and inter-regional collaboration in aviation industry. This effort includes, enhancing risk awareness and response, promoting technologies while fostering new innovations, and improving oversight and quality assurance. Mr. Rahma continues to significantly increase cooperation among member States, international and Regional organizations.

Prior to joining ICAO, Mr. Rahma was the Undersecretary of International and Internal Affairs at the Ministry of Civil Aviation of Egypt and previously the advisor to the Egyptian Minister of Civil Aviation.

During his tenure at the Egyptian government, Mr. Rahma played a substantial role and led influential projects that actively supported and enhanced aviation capacity and efficiency in Egypt. He developed cooperative relationships with government bodies and investors while paving the way for future business partnerships and opportunities.

Mr. Rahma was a board member of various companies including Cairo Airport Company, Aerotel Company and EMAC Aqaba Company and chaired many strategic committees under the umbrella of the Ministry of Civil Aviation for special projects and has continuous presence in high level national and regional committees.

Mr. Rahma has 30 years of aviation experience in various fields including aviation management, airline management, operation, safety, training, corporate communication, and crisis management. He holds an MBA in Aviation Management and is fluent in English and Arabic.
Ms. Jane Hupe is the Director responsible for the Environment programme at International Civil Aviation Organization (ICAO), and serves as the Secretary of the ICAO Council’s Committee on Aviation Environmental Protection (CAEP). Ms. Hupe has a vital role in providing leadership for ICAO’s efforts to define and promote policies and Standards for environmentally sustainable aviation, managing a portfolio that includes aircraft noise, local air quality, global climate, clean energy and sustainable aviation fuels, adaptation, circular economy and a global market-based measure for international aviation. She currently leads the Organizations efforts on green innovation and the assessment of options for long term goals for CO₂ emissions reduction.

Under her leadership, the ICAO Balanced Approach to Aircraft Noise Management policy was established and various new and more stringent global Standards to reduce aircraft noise and emissions affecting local air quality and global climate were adopted, with particular mention of the world’s first global CO₂ certification standard for any industry sector, adopted in 2017.

Ms. Hupe was at the forefront of the conceptualization and development of the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), which was agreed in 2016 as the first global market-based mechanism for any industry sector. She ensures that “CORSIA is on track” by leading its implementation strategy, including putting in place the necessary regulatory frameworks and tools whilst ensuring that “no country is left behind” by implementing ACT-CORSIA (Assistance, Capacity Building and 21 Training for CORSIA), one of the most ambitious assistance programmes undertaken by ICAO.

Ms. Hupe holds a Master’s degree in Aviation from the École Nationale de L’Aviation Civile (ENAC), Toulouse, France, and many other postgraduate degrees, including in environmental auditing.
SESSION 1: CLIMATE CRISIS AND AVIATION

Opening Keynote Speaker

Selwin Hart

Special Adviser to the Secretary-General and Assistant Secretary-General for Climate Action Team

United Nations

The Special Adviser ensures delivery of the Secretary-General’s priorities on climate change, from enhanced nationally determined contributions, fossil fuel and coal phase-out, ensuring public and private finance shifts and the transitions necessary to shift the world’s energy, transportation, land and natural systems in alignment with the goals of the Paris Agreement and the Sustainable Development Goals.

Before his appointment, Selwin Hart served as the Executive Director for the Caribbean region at the Inter-American Development Bank (IADB). He was previously the Ambassador to the United States and the Organization of American States for Barbados and Director of the Secretary-General’s Climate Change Support Team, leading the team’s delivery of the 2014 Climate Summit and the Secretary-General’s engagement in the process leading to the signing of the Paris Agreement on climate change.

Throughout his career, Mr. Hart has served in several climate action leadership positions, including as a Climate Adviser for the Caribbean Development Bank, Chief Climate Change Negotiator for Barbados, as well as the Coordinator and Lead Negotiator on Finance for the Alliance of Small Island Developing States, a coalition of 43 islands and low-lying coastal States in the Caribbean, Pacific, Africa, Indian Ocean and South China Sea. He was a member of the Kyoto Protocol Adaptation Fund Board from 2009 to 2010 and was elected by the United Nations General Assembly to serve as Vice-Chair of the Second Committee of the United Nations General Assembly (Economic and Financial) during its sixtieth Session.
SESSION 1: CLIMATE CRISIS AND AVIATION

Speakers

Mark Radka
Chief, Energy and Climate Branch
UN Environment

Mark heads UNEP’s Energy and Climate Branch, where he manages the organization’s efforts to link the global energy and environment agendas. UNEP’s focus is on helping countries reduce emission of greenhouse gases through broad cooperative efforts and supporting engagement by the financial industry in the sustainable energy sector. Mark has a special interest in the technology needs of developing countries and was a coordinating lead author of the IPCC’s *Special Report on Methodological and Technological Issues in Technology Transfer*. Before joining UNEP he worked on domestic and international environmental programmes with the U.S. Environmental Protection Agency and the World Bank, and was a U.S. Peace Corps volunteer in Thailand.

Mark received a Master of Public Policy degree in Environmental Policy from Harvard University’s Kennedy School of Government, a M.S. degree in Environmental Engineering from the University of California at Berkeley, and a S.B. in Civil Engineering from the Massachusetts Institute of Technology.

Andreas W. Schafer
Professor
University College London

Andreas W. Schafer is a Professor of Energy and Transport at University College London (UCL) and Director of UCL’s Air Transportation Systems Laboratory (www.ATSlab.org). In addition to leading peer review journals, his work was published in popular science magazines, such as Scientific American and American Scientist. He is lead-author of “Transportation in a Climate-Constrained World”, MIT Press (June 2009). Prior to joining UCL, he held appointments at the International Institute for Applied Systems Analysis (IIASA), the Massachusetts Institute of Technology (MIT), the University of Cambridge, and Stanford University. He holds a MSc in Aerospace Engineering and a PhD in Energy Economics, both from the University of Stuttgart, Germany.
Michael Gill is executive director of the Air Transport Action Group (ATAG), the only global association that represents all sectors of the air transport industry. Its mission is to promote aviation’s sustainable growth for the benefit of global society.

He was appointed as Director, Aviation Environment of the International Air Transport Association (IATA) in November 2013, with responsibility for developing and implementing IATA’s work in the environment field, particularly in the areas of climate change, noise, biofuel commercialisation and the IATA environmental assessment programme.

Prior to that, he spent six years as senior legal counsel in IATA, supporting IATA’s external affairs portfolio. In that role, he led IATA’s delegation to three ICAO diplomatic conferences on airline regulatory and security issues.

Before joining IATA in May 2007, Michael was an aviation lawyer in private practice at the Paris Bar, acting for airlines and their insurers.

He holds law degrees from both King’s College, London and the Sorbonne University in Paris, as well as a masters degree from the University of Edinburgh. He is admitted as a solicitor of the Supreme Court of England and Wales and an avocat in France.

Hélène leads the Willis Research Network (WRN), a research arm of Willis Towers Watson (WTW), a leading global advisory, broking and solutions company. The WRN is an award-winning public-private partnership harnessing over 60 partners in science and academia to form innovative collaborations with the risk management and insurance industries, aiming to improve their understanding of risk, resilience and sustainable growth.

Since joining WTW in 1998, she has been leading multi-disciplinary teams, who research, design and develop analytical tools for risk quantification and management. One of her key areas of expertise is advising organisations on how to use leading-edge climate research to quantify their exposure to climate variability and climate change, improve their resilience, respond to regulatory requirements and seize the opportunities of sustainable growth. Other interests include geopolitical risk, and pandemic risk modelling. She holds a BSc in Economics & Political Science (Sciences Po), and an MSc in Environmental Economics (UCL).
Annie Petsonk is International Counsel at the Environmental Defense Fund (EDF).

With over 2 million members and supporters around the world, EDF develops innovative, economically sensible solutions to the environmental challenges of today and tomorrow. Annie leads EDF’s aviation team, serving as an expert observer on ICAO’s Committee on Aviation Environmental Protection (CAEP). She also teaches law at the George Washington University.

Annie has previously served in the U.S. government, including the Executive Office of the President; in the United Nations; and in the private sector. She is a graduate of the Colorado College and Harvard Law School.
Montserrat Barriga
Director General
European Regions Airline Association

Barriga has been Director General of trade association European Regions Airline Association (ERA) since November 2017.

Under her leadership, ERA – representing more than 60 airlines and 149 associate members, including manufacturers, airports, suppliers and aviation service providers – works on behalf of its members to represent their interests before Europe’s major regulatory bodies, governments and legislators to encourage and develop long-term and sustainable growth for the sector and industry.

Barriga is responsible to ERA’s Board for the delivery and implementation of ERA’s strategy and the association’s advocacy work on policy and technical matters, including key industry matters such as sustainable connectivity, and is committed to highlighting the aviation sector’s vital contribution to Europe’s future economic prosperity, particularly in the regions of Europe.

Prior to her appointment as ERA Director General, Barriga worked at ERA member airline Binter as Director of International Development and Industry Affairs, focussing on the airline’s regulatory needs and international development.

Before this, Barriga headed up strategy development at Pullmantur Group, which included a cruise line, tour operators, retail travel agencies and a charter airline.
Julie Kitcher is EVP Communications and Corporate Affairs of Airbus and a member of the Executive Committee.

Julie heads Communications. In addition, she is responsible for driving Airbus ambition and contribution to sustainable aerospace by collaborating with external stakeholders including industry bodies and professional associations on policy matters. Her role oversees and coordinates the transformation agenda of Airbus. This includes Corporate Audit, Internal Controls, Performance Management, and Sustainability & Environment.

Julie is also Chief of Staff to the CEO.

Previously, from May 2015 to April 2019, she was Head of Investor Relations and Financial Communication for Airbus. In this role, Julie was responsible for the development, management, consistency and communication of the Airbus Equity Story, Vision and Strategy to the financial markets. One of her core missions was to grow and strengthen the relationship and trust with the financial markets, contributing to the strong share price performance during these years.

Under Julie’s leadership, Airbus was awarded “Most Honoured Company” status in the Institutional Investor All Europe Executive Team survey four years in a row, from 2015 to 2018. As part of this recognition, Julie was named “Best Investor Relations Professional” in the Aerospace & Defence sector for the same period.

From 2008 to 2015, Julie led relations with UK, French and Southern European institutional investors and sell-side analysts in Airbus’ Investor Relations team. Alongside this, she coordinated Airbus’ quarterly Financial Disclosures. Julie began her Airbus career in December 2000 working at Filton, UK. She went on to hold a number of roles in finance including Financial Analyst, Corporate Planning and Business Controlling. She also previously held a role in GE Capital Equipment Finance in the UK.

She is a Chartered Management Accountant (CIMA) with an MSc from ESC Skema (Lille).

Julie was born in the United Kingdom.

She is married with two children.
Marie Masson  
Public Affairs and B2G Partnership Manager  
Lilium

Marie is responsible for Public Affairs and Partnerships at Lilium, engaging with government stakeholders globally to prepare the company’s entry into service in 2025. After graduating from McGill University in Political Science, Marie spent three years working for Nobel Peace Prize Laureate Prof. Yunus and the United Nations where she drove multiple campaigns. Her interest in smart mobility led Marie to complete her MBA at ESMT Berlin and join Lilium.

Sami Jauhiainen  
Vice President, Business Development, Renewable Aviation  
Neste

Sami is responsible for business development in Neste's Renewable Aviation business unit with focus on sustainable aviation fuel go-to-market strategy, as well as solution and service development. Sami joined Neste in 2013, and he was previously responsible for Neste Group's Strategy and M&A department, driving various initiatives across the renewables value chain as part of Neste's growth strategy in renewables. Before joining Neste, Sami worked in investment banking at J.P.Morgan, in London, focusing on mergers & acquisitions and capital markets transactions in the oil and gas and utility sectors across the EMEA region. Sami is passionate about business opportunities that serve Neste's purpose of “Creating a healthier planet for our children”.

Denise Pronk  
Head of Sustainability  
Royal Schiphol Group

Denise Pronk is responsible for sustainability at Royal Schiphol Group. Denise is based at the Strategy and Airport Planning department and she has been working with the airport for 12 years. She is an acclaimed sustainability manager, working on making the airport sustainable and contributing to make the aviation sector sustainable.
SESSION 2: DEEP DECARBONISATION PATHWAYS

Speakers

Jacob Teter
Transport Energy Analyst
International Energy Agency

Jacob Teter joined the International Energy Agency (IEA) as a transport energy modeller and policy analyst in Spring 2015, and now leads IEA’s team of transport analysts in the Energy Technology and Policy Division. In this role, he aims to contribute to the global dialogue on policies to promote the development and adoption of technologies and operations that provide transport services that improve quality of life while minimising pollutant and greenhouse emissions and other environmental and natural resource impacts. Jacob is among the lead authors of the IEA’s “Future of Trucks” and “Future of Rail” reports, and has contributed to the annual Global Electric Vehicle Outlook (GEVO) series, as well as to recent Energy Technology Perspectives (ETP) and World Energy Outlook (WEO) reports, including the special report on Energy and Air Pollution, the special report on Energy and Digitalization, and the Future of Hydrogen. He completed his PhD in Transportation Technology and Policy from the University of California, Davis in 2015.

Grégoire Carpentier
Project Leader
The Shift Project

Grégoire Carpentier is project leader for the Shift Project, a French think tank that promotes solutions to build a carbon-free society, and within which he is working on a holistic vision of the present and future climate impact of aviation. He is also the founder of the Supaero Decarbo collective, which brings together aeronautical engineers who want to participate in the decarbonisation of air transport.
SESSION 2: DEEP DECARBONISATION PATHWAYS

Speakers

David Doherty
Energy Specialist
Bloomberg NEF

David is an Energy Specialist at BloombergNEF, based in London. Prior to joining BNEF, David spent time as a jet fuel trader with Citibank before joining Wood Mackenzie as a Senior Analyst, covering Europe, Africa and the Caspian region. David holds a BSc in Financial and Actuarial Mathematics from Dublin City University and an MSc in Finance from Imperial College London.

Dirk Forrister
President and CEO
International Emissions Trading Association

Dirk Forrister is President and CEO of the International Emissions Trading Association (IETA), a non-profit business association dedicated to market-based climate policies. With 140 member companies, IETA is respected globally as a thought leader on strategies to harness the power of markets to bring climate protection.

Dirk brings a long history of public and private sector engagement in energy and environmental policy. He spent a decade as Managing Director at Natsource LLC, the manager of carbon funds valued at $1.2 billion. Earlier in his career, Mr. Forrister served as Chairman of the White House Climate Change Task Force in the Clinton Administration, and Assistant U.S. Secretary of Energy for Congressional and Public Affairs.
SESSION 2: DEEP DECARBONISATION PATHWAYS

Announcement of the Day

He has 40 years of experience working in the civil aviation sector spanning senior management positions at national and international organizations.

A holder of a B.A Economics degree. He has overseen the successful operationalization of the Executing Agency of the YD since he joined AFCAC as Director of Air Transport in 2015. He has championed the full implementation of the SAATM as evidenced in the rise of the SAATM States from 11 to 34 representing over 70% of intra Africa traffic. Mr. Tefera's strong negotiation with partners has enabled AFCAC, among others to secure USD $ 6.7 Million grant from the African Development Bank for the implementation of the SAATM, financial and technical pledges from the EU and coordinated Stakeholders’ activities under the Joint Prioritized Action Plan.

He has signed with IATA and AFRAA agreements on IOSA/ISSA, and he is at the final stage to sign Project Implementation Agreement with ICAO to support SAATM States in the areas of Safety, Security and Environment Protection and hence the AU air transport liberalization agenda as part of the Agenda 2063.

Mr. Tefera is currently positioning AFCAC on a strategic path through a long term plan that is meant to ensure a sustainable air transport industry for the African continent that meets the current and future challenges in Safety, Security, Environment and Human Capacity.
SESSION 3: SUPPORTING GREEN RECOVERY BEYOND AVIATION

Speakers

Dean Lockett
Scientific Officer, Observations and Measurement Networks
World Meteorological Organization

Scientific Officer responsible for coordinating the WMO Aircraft-Based Observations Program; Meteorologist originally from the Bureau of Meteorology, Australia, specialising in observations and network management and design.

Bruno Vandemeulebroecke has been Deputy Global Logistics Cluster Coordinator, since July 2017. Previously he worked for a decade as Emergency Response Coordinator and Head of Logistics for various international NGO’s in humanitarian emergency operations in Sudan, South Sudan, Somalia, Libya, Nepal and several more. Prior to his humanitarian engagement, Bruno worked in the private sector in project management and organisational development. A Belgian national, Bruno holds a Master in Political Science and is the proud father of a daughter.

The Logistics Cluster embodies a network of over 700 unique humanitarian partners. The teams globally and in country provides coordination and information management to support operational decision-making and improve the predictability, timeliness and efficiency of the humanitarian emergency response. Where necessary, the Logistics Cluster also facilitates access to common logistics services. Due to its expertise in the field of humanitarian logistics, the World Food Programme was chosen by the IASC as the lead agency for the Logistics Cluster.
Marion joined the Airport Authority in 2014 and leads an innovative team of professionals working to reduce the airport’s environmental footprint. Marion is guided by YVR’s Board of Directors and Executive team to ensure that high environmental standards are maintained and significant environmental and accreditation programs such as Salmon Safe and Airport Carbon Accreditation are successfully implemented. Marion has over thirty years of experience in government and consulting, working on a broad range of projects for municipal, provincial, federal governments as well as private organizations. A professional planner, her experience in environmental assessment, energy and emissions planning, waste management, sustainable transportation, fisheries renewal, sustainability and collaborative governance has all been applicable to her work at YVR.

Michelle Owen has been leading the USAID Reducing Opportunities for Unlawful Transport of Endangered Species (ROUTES) Partnership for the past 5 years. The partnership is working with aviation companies and associations, including ACI and IATA, to identify and implement solutions to wildlife trafficking in air transport supply chains. These responses range from increasing awareness of wildlife trafficking as a transnational crime, through to capacity building, developing recommended practices and testing technology solutions.

Prior to her role with TRAFFIC and the ROUTES Partnership, Michelle spent over a decade based in South and South-East Asia in senior positions developing and managing conservation programmes focused on building capacity of law enforcement, improving community nature-based livelihoods, biodiversity research, supporting companies to green their supply chains from sourcing sustainable products through production and market access and working with government agencies to encourage sustainable development opportunities. Currently based in the UK, Michelle has a Masters in Conservation Science from Imperial College London.
Younes Moumen is CTO at ATLAN Space. He dedicates his life to innovation and environment protection. He is inventor in 16 granted patents and author in 6 peer reviewed scientific papers.

As a software engineer, he starts his career in the gaming industry and AI. In his quest for innovation, he works with a team at the International University of Rabat to promote innovation and technology transfer to market. They achieved the first use case of technology transfer and promoted the university to the first rank, as the most innovative organization in Morocco.

During COP22 in Marrakech, Badr Idrissi and Younes Moumen founded ATLAN Space to contribute to a better future for their children. A future with regained biodiversity and earth equilibrium.

ATLAN Space is a Moroccan start-up that develops Artificial Intelligence providing autonomous drones with the ability to monitor large marine areas in search for environmental crimes. It won the Marine Protection prize funded by the National Geographic Society among many other prizes. ATLAN Space commits all its resources to the fight against environmental crimes and the preservation of human life.

Max Wright is a geographer with a master’s degree in Geographic Information Science from Clark University. He is the Director of Spatial Planning and Priority Setting in Moore Center for Science at Conservation International. His works focuses on landscape level planning and priority setting, including land-use and land-cover change analysis, spatial modeling, and the use of remote sensing technology. He actively involved in Group on Earth Observation (GEO) and leads the secretariat for the Earth Observation for Ecosystem Accounting Initiative. Max also supports a wide range of activities across Conservation International including natural capital accounting, capacity building, and natural climate solutions.
SESSION 3: SUPPORTING GREEN RECOVERY BEYOND AVIATION

Speakers

Charlotta Benedek
Head, UN Environment/OCHA Joint Unit
United Nations Office for the Coordination of Humanitarian Affairs

Charlotta is the Head of the UNEP/OCHA Joint Environment Unit, located in Geneva. She has been working with OCHA for the past 15 years, carrying out many functions within the organization, in policy, in private sector engagement as well as in response, preparedness and disaster risk reduction. Before joining OCHA, Charlotta worked for four years with the UN in Bangkok, Thailand.

Artur Mirzoyan
Head of Subdivision of Propulsion & Airframe Matching Department
Central Institute of Aviation Motors
Russian Federation

Artur Mirzoyan is Russian Federation ICAO CAEP Member (since 2018) and CAEP WG1, WG3, WG4, FTG, MDG Member (2012).

He graduated from the Engine Department of the Moscow Aviation Institute as a Mechanical Engineer on Gas Turbine Engines in 1979.

He is head of Civil Aviation Sector in Engine & Aircraft Matching Department of CIAM.

His 40+ year experience in CIAM has focused on multidisciplinary design optimization, subsonic/supersonic civil propulsion system & aircraft matching and integration, environmental performance assessments.


His and co-authors article “Distributed propulsion and ultra high by-pass rotor study at aircraft level” was recognized by Gold Award for Written Paper Royal Aeronautical Society in 2015.

He also recognized as International Council of Aeronautical Sciences and Programme Committee Member.
SESSION 4: AVIATION GLOBAL GREEN RECOVERY, WHAT’S THE PLAN?

Speakers

Captain Guillermo F. Hoppe is a dedicated and disciplined leader, always motivated to guide, serve and inspire the lives of others aimed towards the development of their maximum potential. He is a passionate visionary, with a clear purpose of life, with assertive critical capabilities, adaptable, creative and centered on details which make all the difference.

Captain Hoppe has over 30 years of extensive professional experience in the field of commercial aviation. Since his first “solo flight” at the age of 16, his career took off in a steep climb, and he was hired at the age of 19 as First Officer on the Boeing 737-200, moving up to Airbus 320 by the airline LACSA, and only 4 years later, he became Captain (at the age of 23) and flight instructor (at the age of 24), both world record ages.

In regard to corporate aviation, Captain Hoppe has worked for 3 prestigious private companies acting as Chief Pilot, Consultant and Supervisor of air operations.

Captain Hoppe has flown the following aircraft: Boeing 737-200/700/800, Airbus 320, Embraer 190, ATR 42, Learjet 31 and various light-weight aircraft, turbo-prop and multiengine.

As added experience, Captain Hoppe has also entered the world of network marketing, he is a certified personal fitness trainer and developer for corporate team buildings. He is also a coach, public speaker and certified trainer by John Maxwell, and he holds Level 1 and 2 training in Meta-Coaching. He has been an entrepreneur for the last 25 years in a diverse nature of businesses, which include restaurants, outsourcing for the recruitment of personnel for three airlines in India, flight coordination and tourism services, among the most outstanding.

His most recent passion in addition to his love for aviation, is teaching transformational and inspirational leadership skills, through Life Purpose workshops designed by him. Recently, he obtained an MBA Leadership degree.

Captain Hoppe served as Director General of the Civil Aviation Authority of Costa Rica (DGAC) for the period of one year (until September 2019) a post from which he transitioned to become the representative for Costa Rica on the Council of the International Civil Aviation Organization (ICAO) in Montreal, Canada, from October 1st, 2019 for a three year period.

Guillermo Hoppe Pacheco
Representative of Costa Rica on the ICAO Council
SESSION 4: AVIATION GLOBAL GREEN RECOVERY, WHAT’S THE PLAN?

Speakers

Isao Fukushima
Representative of Japan on the ICAO Council

WORK EXPERIENCE:
Ambassador Extraordinary and Plenipotentiary to the ICAO, the Government of Japan, September 2019 – Present
Special Coordinator, Minister’s Secretariat, MOFA (Ministry of Foreign Affairs of Japan), April 2018 – September 2019
Senior Coordinator for Personnel Affairs, Personnel Division, Minister’s Secretariat, MOFA, February 2015 – April 2018
Senior Coordinator for International Nuclear Cooperation, International Nuclear Cooperation Division, Disarmament, Non-Proliferation and Science Department, Foreign Policy Bureau, MOFA, December 2012 – February 2015
Director, Overseas Postings Support Division, Minister’s Secretariat, MOFA, April 2011 – December 2012
Principal Deputy Director, Overseas Postings Support Division, Minister’s Secretariat, MOFA, August 2008 – April 2011
Deputy Director, Western Europe Division, European Affairs Bureau, MOFA, June 2005 – August 2008
Deputy Director, Grant Aid Division, Economic Cooperation Bureau, MOFA, December 2000 – January 2002
Deputy Director, Legal Division, Treaties Bureau, MOFA, April 1999 – December 2000
Entered, MOFA, April 1984 –

EDUCATION:
Bachelor of Arts in Literature, Faculty of Letters, Kyoto University, March 1984
Mercy Awori is the Representative of Kenya and an Alternate of the Eastern Region on the Council of the International Civil Aviation Organization (ICAO). She is currently the AFI Environment Champion and Coordinator.

She has had the privilege of holding a number of leadership positions in the Council of ICAO amongst others the Chairperson of Human Resources Committee, Chairperson of the Air Transport Committee, Secretary and Member of the Council Ad hoc Committee, Coordinator of the Forum Group at ICAO, Coordinator of the AFI Group & Bureau Member of AFCAC.

Before joining the Council she was Head of Air Transport at the Kenya Civil Aviation Authority (KCAA) and represented Kenya in several ICAO Conferences, high level National, Regional, and International Committees and Task Forces. She holds MSC in Air Transport Management from Cranfield University, United Kingdom and is an alumna of Leiden University. She has several professional qualifications among others from Maastricht School of Management, Netherlands.

She also sat on the Kenya Civil Aviation Authority (KCAA) Board representing the Permanent Secretary, Ministry of Transport, before joining the Authority. She is passionate about aviation and has served Africa’s aviation industry with dedication and commitment.

Richard Ossendorp
Representative of the Kingdom of the Netherlands on the ICAO Council

Before joining the Abis office at ICAO in Montreal, Richard headed the Transport and Environment team at the Dutch Permanent Representation to the European Union in Brussels. His home base is the Ministry of Infrastructure and Water Management in The Hague.
Mohammed S. Habib is The Alternate Representative of Saudi Arabia on the Council of the International Civil Aviation Organization (ICAO) since Sept. 2016; with more than 19 years of experience in Civil Aviation Administration, Academia, Oil & Gas, & Power Generation, he served in supervisory, administrative, and technical roles, with a consistent history of developing climate change policies, instituting future policy roadmaps, and fostering strategic decision. He holds a M.Sc. Degree in Industrial Engineering (Industrial Systems Simulation).

Mohammed Habib
Alternate Representative of Saudi Arabia on the ICAO Council

Since 2016 Sam has been Australian Representative on the Council of the International Civil Aviation Organization (ICAO). He is currently Second Vice President of the Council, and Chair of the Council’s Advisory Group on CORSIA, and has previously chaired the Council’s Air Transport Committee, and the Implementation, Strategy and Planning Group.

In more than a decade managing aviation issues in the Australian Government, he has overseen initiatives touching all five of ICAO’s Strategic Objectives, and has extensive experience in international engagement and the negotiation of international agreements.

Beyond aviation, Sam has managed the delivery of essential services such as health and education in Australia’s remote territories, and managed the Australian Government’s engagement with local governments across the country. Holding qualifications in law from the University of Queensland and the Australian National University, he has also worked in corporate and commercial law in Canada, and in government legal practice in Australia.

Samuel Campbell Lucas
Chairperson of Council Advisory Group on CORSIA
Representative of Australia on the ICAO Council
Nigel Topping is the UK’s High-Level Climate Action Champion, appointed by the UK Prime Minister in January 2020. Nigel works alongside the Chilean High-Level Climate Action Champion, Gonzalo Muñoz. The role of the high-level champions is to strengthen collaboration and drive action from businesses, investors, organisations, cities, and regions on climate change, and coordinate this work with governments and parties to the United Nations Framework Convention on Climate Change (UNFCCC).

Nigel was most recently CEO of We Mean Business, a coalition of businesses working to accelerate the transition to a zero carbon economy. Prior to that he was Executive Director of the Carbon Disclosure Project, following an 18 year career in the private sector, having worked across the world in emerging markets and manufacturing.

**Nigel Topping**
High Level Champion for Climate Action
**COP26**
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