ICAO Aviation Data and Analysis Seminar

8-12 July 2019, Istanbul, Turkey

Objectives

The Seminar will provide an opportunity to foster the dialogue between the States, international organizations and aviation stakeholders on the use of aviation data and analysis to facilitate data-driven decision making.

The Seminar will also provide participants with an opportunity to learn about the new ICAO solutions with respect to the data and analysis available to help States to optimize the social and economic benefits of air transport in the region.

ICAO Pre-Seminar Workshop*

Day 1 – 8 July 2019	
09.00-09.30	Registration of Delegates
09.30-11:00	**Presentation and hands-on training on ICAO Applications** - Traffic forecasting application - Fleet and aviation personnel forecasting application - Cost-benefit analysis application - Aero-Tariffs (airport and air navigation services charges) - Global Air Transport Optimisation - Automatic Dependent Surveillance – Broadcast (ADS-B) application - ICAOdata+ **Presented by ICAO**
11:00-11:15	Coffee Break
11:15–11:30	**Welcome Remarks by H.E Dr. Ömer Fatih SAYAN –** **Deputy Minister, Ministry of Transport and Infrastructure**
11:30	Group photo
11:30-12:30	**Presentation and hands-on training on ICAO Applications** - Traffic forecasting application - Fleet and aviation personnel forecasting application - Cost-benefit analysis application - Aero-Tariffs (airport and air navigation services charges) - Global Air Transport Optimisation - Automatic Dependent Surveillance – Broadcast (ADS-B) application - ICAOdata+ **Presented by ICAO**

12.30-13.30	Lunch
13.30-16.30	**Presentation and hands-on training on ICAO Applications** - Traffic forecasting application - Fleet and aviation personnel forecasting application - Cost-benefit analysis application - Aero-Tariffs (airport and air navigation services charges) - Global Air Transport Optimisation - Automatic Dependent Surveillance – Broadcast (ADS-B) application - ICAOdata+ **Presented by ICAO**
18:00	Depart from Hotel for Gala Dinner
20:00	Gala Dinner with Cruise Tour on Istanbul Bosphorus

Day 2 – 9 July 2019	
09.00-12.00	**Presentation of the new platform iCADS (ICAO Civil Aviation Data Solutions)** iCADS is the new portal for all ICAO civil aviation data and any related information. The portal was built with the needs of the aviation industry in mind, integrating the entirety of data, business intelligence products as well as a selection of curated ICAO reports and documents. The all new iCADS portal represents an immersive and holistic experience allowing users unified access to the multitude of datasets (historical and forecasts) as well as business intelligence solutions provided by ICAO. **Presented by ICAO**
12.00-13.30	Lunch
13.30-19:30	**Host State Programme**

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Day 3 – 10 July 2019	
09:30 – 10:30	**State of Air Transport in 2018 and The Role of Air Transport Connectivity** *A. Sainarayan, Chief Aviation Data and Analysis Section, ICAO*
10:30-11:00	Tea/Coffee Break
11:00-12.00	**Forecasting and Cost-Benefit Analysis for Air Transport Planning** *A. Sainarayan, Chief Aviation Data and Analysis Section, ICAO* *Behzad Taghipour, ICAO* *Hongfeng Zhao, ICAO*
12.00-13.30	Lunch
13.30-15:00	**Use of Big Data, Artificial Intelligence, Machine Learning and visualization for Safety and Air Navigation** *M. Merens, Chief, Integrated Aviation Analysis Section, ICAO* *A. Sainarayan, Chief Aviation Data and Analysis Section, ICAO* *Merih Alphan Karadeniz, CEO, ArgosAI*
15:00-15.30	Tea/Coffee Break
15:30-16:00	**Industry solution** **Rohan R Nanda-** Market Forecasting Team- **Airbus**
16:00-16.30	**Data Driven Management & Using Analytic Capabilities** *Demet YARKIN, Customer Experience Manager, Pegasus Airlines*

Day 4 — 11 July 2019	
09.30-10.00	## Economics of Airports Airports are complex businesses that operate in unique and evolving physical, financial and regulatory environments. This session will provide a data-driven summary of the main economic characteristics of the airport industry drawing on *ACI's battery of Airport Key Performance Indicators.* In addition to the latest trends in air transport demand across the world's airports, benchmarking, service quality indexes, aeronautical and non-aeronautical revenues will be explored. Other topics include the economic dynamics of airport throughput and economies of scale as well as an analysis of financial indicators that paint a picture of an airport's bottom line. **Mr. Michael Stanton-Geddes**, Head of Economics and Competition , **ACI**
10.00-10.30	Tea/Coffee Break
10.30-11.30	## Economics of Airlines IATA will discuss the changing economics of travel and cargo markets, how market structures and distribution/product characteristics are influencing the economics of airline financial performance and competition issues, and how network connectivity delivers wider economic benefits. **Andrew Matters**, Deputy Chief Economist, **IATA**
11.30-12.00	**Utilizing Data Analytics in Airline Decision Making: Two Case Studies from Turkish Airlines** **Mr. Emir Ali GÖZE,** SVP Revenue Management and Pricing, **Turkish Airlines.**
12.00-12:30	**Ms. Pantazopoulou Panagiota**, Head Aviation Analysis and Insights at **UK Civil Aviation Authority**
12:30-13:30	Lunch
13.30-14.00	## Data analytics Remotely Piloted Aircraft Systems (RPAS) - Using RPAS data collection for the aviation industry - Capture growth with emerging technologies - Integration issues in the existing ATM system **Mr. Mahmut Samet Sayim, Turkish Civil Aviation Authority**
14.00-14:45	## Analysis of ADS-B Data David C. Franson, Regional Director, Market Analysis (Commercial Airplanes) ,Boeing

14:45-15:15	Tea/Coffee Break
15:15-16:00	**Airport Capacity Constraints and Mitigation** Dr. Elsa Freville, Senior Forecast Analyst, EUROCONTROL
16:00-16:30	**States' corner** Presentation by Malta CAA
16:30-17:00	**Regional Perspective** Mohamed Smaoui, Deputy Regional Director, ICAO

Day 5 – 12 July 2019	
09.00-10.00	**Air Congestion, Issues and Challenges** Dr. Xueying Yu, Beihang University
10.00-10.30	Tea/Coffee Break
10.30-11.30	**Optimizing Air Transport Connectivity** **Dr. Jan Malawko,** Assistant Professor, ICM, University of Warsaw
11.30-12.00	**Serkan Eren,** Director, MNG Airlines
12:00-12:30	**Alper AKBAŞ**, Co-Founder, Analytica Advisory Group
12:30-12:45	**Wrap-up and closing remarks**
12.45-13.30	Lunch

*Tentative programme: themes, speakers, dates, and times may be changed.