



CANSO GLOBAL ATM OPERATIONS CONFERENCE 2018

MADRID | SPAIN | 8-9 MARCH

ATM: Short-Term Realities
and Long-Term Visions

ORGANISED BY CANSO

CANSO – the Civil Air Navigation Services Organisation – is the global voice of air traffic management (ATM) worldwide. CANSO Members support over 85% of world air traffic. Members share information and develop new policies, with the ultimate aim of improving air navigation services (ANS) on the ground and in the air. CANSO represents its Members' views to a wide range of aviation stakeholders, including the International Civil Aviation Organization, where it has official Observer status. CANSO has an extensive network of Associate Members drawn from across the aviation industry.

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Venue Details

Meliá Castilla Hotel
Calle de Capitán Haya 43
28020 Madrid, Spain

The conference takes place in
the meeting area El Prado.



Dress Code

8 March
Conference and Evening Reception
Business Attire

9 March
Conference
Business Attire



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More Information and Registrations
<http://mai.mitrecaasd.org>



SAVE THE DATE AND REGISTER NOW

Each year, CANSO hosts a number of global and regional events throughout the world. CANSO Members have exclusive access to these gatherings, which offer unparalleled opportunities to listen, learn, share and innovate. Save the date or register now for the events happening in 2018.

FORTHCOMING CANSO EVENTS



CANSO Asia Pacific
Conference 2018

Bangkok, Thailand,
7 - 9 June

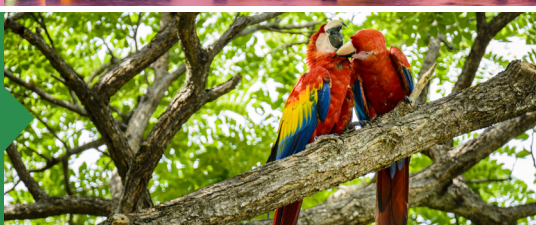
CANSO Global ATM Summit
and 22nd AGM

Bangkok, Thailand,
10 - 13 June



CANSO Latin America and
Caribbean Conference 2018

Buenos Aires, Argentina,
5 - 7 November



CANSO Global ATM Safety
Conference 2018

Banff, Canada,
26 - 30 November

CANSO Africa Conference

To be announced



 canso.org/events



BE PART OF THE FUTURE OF AIR TRAFFIC MANAGEMENT

Our Members are shaping the future for a safe, efficient and seamless airspace - join CANSO.



Build your network through our global events and workgroups

Access industry intelligence

Take advantage of guidance materials and industry best practice

Actively participate in the creation of policies and guidance

Have your voice heard by governments, regulators and key stakeholders



canso.org





FOREWORD BY

Jeff Poole

Director General, CANSO

Dear colleagues,

Welcome to the CANSO Global ATM Operations Conference 2018 – the final event of CANSO ATM Week.

Over the course of this week, we have built up real momentum discussing the future of the ATM industry and CANSO, and exploring some of the key considerations of our rapidly changing skies. Now it is time to look at this from a practical perspective, and ask ourselves what the ATM industry still needs to understand about our ever-changing operating environment, and what we need to do in order to prepare ourselves for the future.

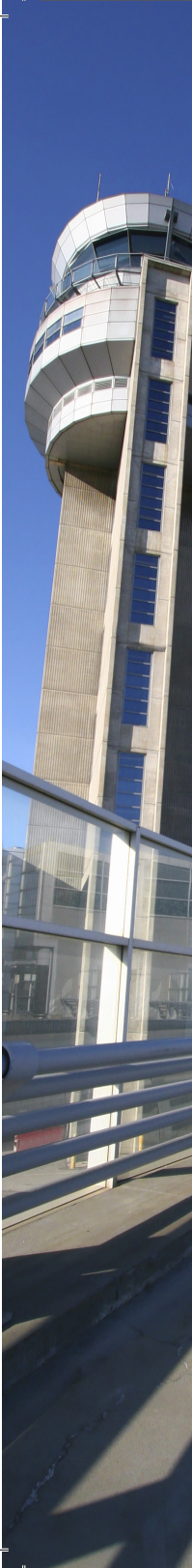
As air traffic increases and diversifies thanks to an upsurge of new technologies and types of aircraft, it is vital we come to terms with the changing requirements of airspace users and how these may evolve over the future.

We must also consider how the ATM industry is changing and adapting to increased pressure on airspace, and the technological and procedural advancements that are facilitating growth. Finally, and importantly, we must acknowledge the fundamental role that cross-industry collaboration plays in bringing the aviation industry's innovations and visions together to build safe, efficient and effective global airspace.

Using a new event format comprising a unique mix of panel sessions with aviation industry experts and interactive workshops, the CANSO Global ATM Operations Conference will delve deeply into these key topics and provide plenty of opportunities for you to have your say on both present and future ATM operations. So please take advantage of the cross-industry insights, share your perspectives and help CANSO and the ATM industry build a strong framework for the future – and a fitting end to a most insightful CANSO ATM Week.

Sincerely,

Jeff Poole
Director General
CANSO



CONFERENCE PROGRAMME

THURSDAY | 8 MARCH

12:00-13:00

Conference Registration

Venue: Foyer El Prado

13:00-13:15

Opening Remarks

Venue: El Prado

- Jeff Poole, Director General, CANSO
 - Brendan Kelly, Head of Systemised Airspace and Airport Integration, NATS and Chair, CANSO Operations Standing Committee
-

13:15-13:35

The challenges ANSPs will face in the future when their core business may have to be radically different

Venue: El Prado

Volatility in demand, new types of airspace usage, new technologies and capabilities of artificial intelligence and digitisation are just a few aspects the ATM industry and ANSPs in particular have to deal with when preparing for the future. With increasing uncertainty we need to be able to adjust faster or be more flexible to change. Do we have the right attitude and the right tools to cope with the challenges and use the opportunities to expand towards new markets? What is so particular about ATM that we tend to create our own standards for telecommunication networks and other widely used technologies? We all speak about interoperability but in reality we even have difficulties to globally harmonise phraseologies in our operations as it just happens with a new ICAO amendment. The presentation will raise some questions for thought and give some insight about the evolution of an ANSP.

- Klaus-Dieter Scheurle, Chairman and Chief Executive Officer, DFS Deutsche Flugsicherung GmbH and CANSO Executive Committee Operations Champion



13:35-14:35

What is on the horizon, short-term and long-term, in the use of commercial drones?

Venue: El Prado

The introduction of commercial drones into airspace has significant implications, prompting the development of new strategies in air traffic management (ATM) to meet these new entrants' demands and expectations. In order to gain a deeper understanding of the drone industry and its current and potential impact on operations, drone users, drone developers and UAS traffic management (UTM) innovators share their views on the current state of affairs, and what is envisioned for the next 10 years. How will the commercial drone market develop? What kind of innovation should we anticipate for our future strategies? What visionary thoughts on UTM and integration into traditional ATM will be shared from a drone user and drone developer perspective?

Panelists:

- Thomas Prevot, Director of Airspace Systems, Uber
- Kumardev Chatterjee, CEO, Unmanned Life
- Christian Struwe, European Policy Lead, DJI
- Kin Huat Low, Professor, School of Mechanical and Aerospace Engineering, Nanyang Technological University Singapore
- David Hansel, Global Aviation Policy Lead, Facebook
- Thilo Vogt, Head of Unmanned Aircraft Systems and Traffic Management Development and Solutions, DFS Deutsche Flugsicherung GmbH

Moderator:

- Doug Davis, Director of Airworthiness, Northrop Grumman and Co-Chair, CANSO RPAS and Emerging Technologies Workgroup (RPAS/ET WG)

14:35-14:55

Networking Break

Venue: Foyer El Prado

14:55-15:30

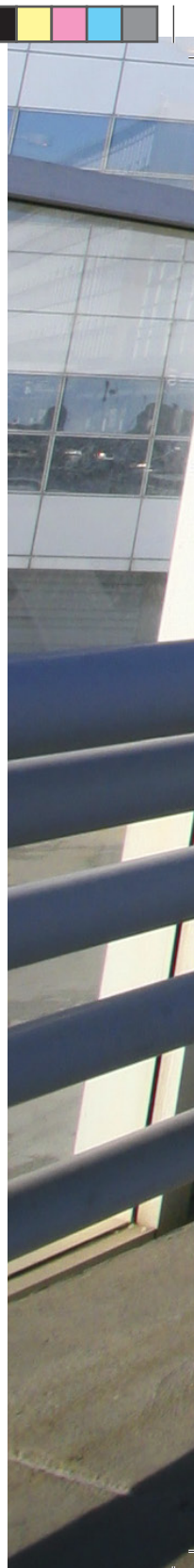
How can ANSPs address the different challenges arising from the various uses and types of drones?

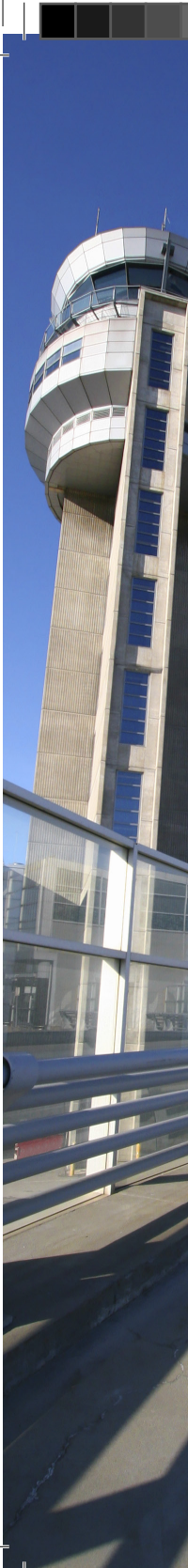
Venue: El Prado

This workshop will provide insight into how our views on drone operations compare and to which extent we are currently capable of meeting these new entrants' demands. Through open dialogue, questions and lessons learned, we will identify the requirements and potential challenges and opportunities in meeting the expectations of the drone industry and debate future scenarios.

Facilitator:

- Brian Guimond, Manager, Military Operations and Unmanned Aircraft Systems, NAV CANADA





15:30-16:45

Smart tower evolution – digital enhancement or remote operations?

Venue: El Prado

The technology of smart and remote towers presents new possibilities, as well as challenges. This session will explore the options between digital enhancement of manned operations, and full remote operations. What are the implications and advantages? What are the key operational, safety and regulatory considerations? What can we learn from implementation challenges faced and conquered? Will ANSPs evolve to a full digital operation?

Panelists:

- David Woodward, ATM Advisor, Indra
- Stig Jenssen, Director of Strategic Programmes, NINOX Remote Tower System, Kongsberg Defence and Aerospace
- Markus Klopff, Strategic Marketing Manager, FREQUENTIS AG
- Per Ahl, Vice President, Head of Marketing and Sales, Saab
- Neil Bowles, Head of Air Traffic Management, Searidge Technologies
- Torbjørn Henriksen, Director of Marketing and Sales, Avinor Flysikring AS
- Karoline Trull, Supervisor Tower Leipzig, DFS Deutsche Flugsicherung GmbH
- Jacob Edholm, Head of Remote Tower Centre Stockholm, LfV
- Paul McCann, General Manager Terminal Services, Irish Aviation Authority

Moderator:

- Niclas Gustavsson, Vice President of Business Development and Governmental Affairs, Saab and Chair, CANSO Performance Based Regulation on Remote Towers Task Force (PBR on RT TF)

16:45-17:00

Networking Break

Venue: Foyer El Prado

17:00-17:40

Making informed decisions on smart or remote tower operations

Venue: El Prado

In this workshop we will discuss the operational considerations of moving from current tower configurations, towards either an enhanced tower model with increased automation, or a remote tower environment. How can we address the issues discussed thus far? How can ANSPs enter the smart or remote tower concept successfully?

Facilitator:

- Conor Mullan, Managing Director, Think Research Limited



17:40-17:45

Summary of the Day

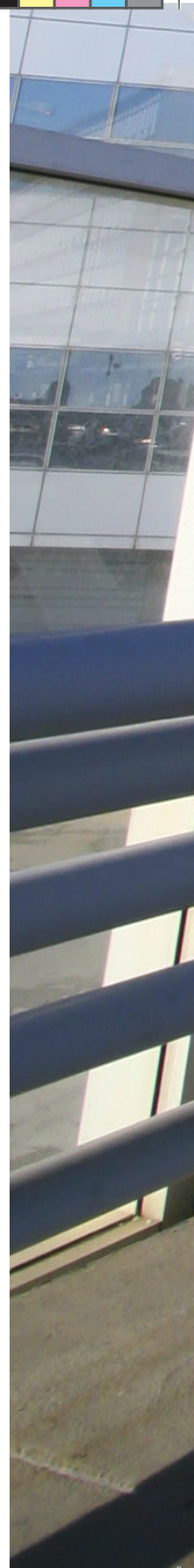
Venue: El Prado

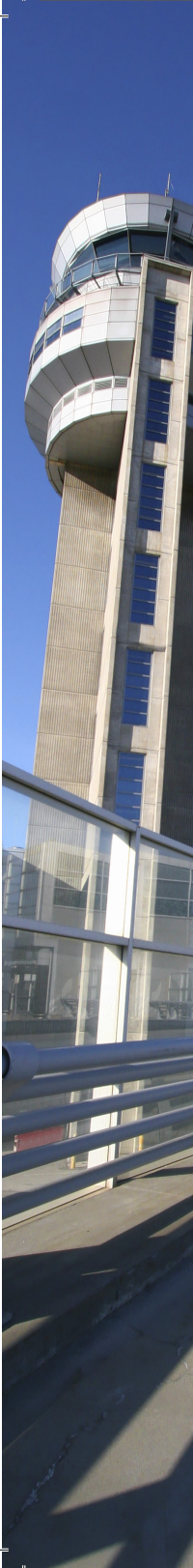
- Brendan Kelly, Head of Systemised Airspace and Airport Integration, NATS and Chair, CANSO Operations Standing Committee

17:45

Evening Reception

Venue: Foyer El Prado





FRIDAY | 9 MARCH

09:00-09:15

Opening of the Day

Venue: El Prado

- Brendan Kelly, Head of Systemised Airspace and Airport Integration, NATS and Chair, CANSO Operations Standing Committee

09:15-09:45

Building a more inventive ANSP organisation and how to convince your CEO that it is worth it

Venue: El Prado

In an increasingly uncertain and complex operating environment, interpreting key market shifts, anticipating change, and leveraging the full capacity of your organisation at management level is crucial. Without the proper mindset, strategy and insight however, ANSPs will lag behind what is required of them to grab opportunities to improve operations and safety.

Altran ID are experts in innovation and improving the operational efficiency and business development opportunities for a range of organisations. Our guest speaker will consider common challenges to development and innovation, and explore some of the potential solutions. This includes how managers and directors can hone their skills to anticipate trends, decide the best avenue for solutions, and be prepared to present those ideas to their CEO.

- Cristobal Perán Estepa, Managing Director, Altran ID

09:45-10:45

How will future aircraft technology affect and drive ATM ground technology and procedures?

Venue: El Prado

This panel will provide insights into aircraft technology developments and how ANSPs can ensure that the services that aircraft manufacturers, airlines and airports seek to acquire can be delivered. We will discuss innovative operational and business cases of ANSPs which have deployed new technology and the challenges they faced while implementing; and explore the capabilities airlines are asking manufacturers to develop to anticipate future demand. What are the top requests from airline customers? Which of the current capabilities of ATM and aircraft are not being exploited? Are there operational barriers to progress with current flight management systems and flight planning systems?



Panelists:

- Chip Meserole, Director, Advanced Air Traffic Management, Boeing
- Daniel Ferro, ATM Concept & Performance Manager, Airbus
- Stephen Angus, Executive General Manager, Air Navigation Services, Airservices Australia
- Chris Collings, Senior Manager, Business Development and Senior Programme Manager, Surveillance and Automation, Harris Corporation
- Johan Glantz, Technical Affairs Director, European Cockpit Association

Moderator:

- Jeff Cochrane, Director of Navigation and Airspace, NAV CANADA and Co-Chair, CANSO Performance-based Navigation Workgroup (PBN WG)

10:45-11:15

Networking Break

Venue: Foyer El Prado

11:15-12:15

How can ANSPs meet the challenges arising from new aircraft technology?

Venue: El Prado

In this workshop we will discuss if our visions and capabilities meet new aircraft and airline requirements and explore possible future courses of action. Is ATM ground technology keeping up with aircraft on-board technology? What systems are on the horizon to respond to new aircraft and airline requirements?

Facilitator:

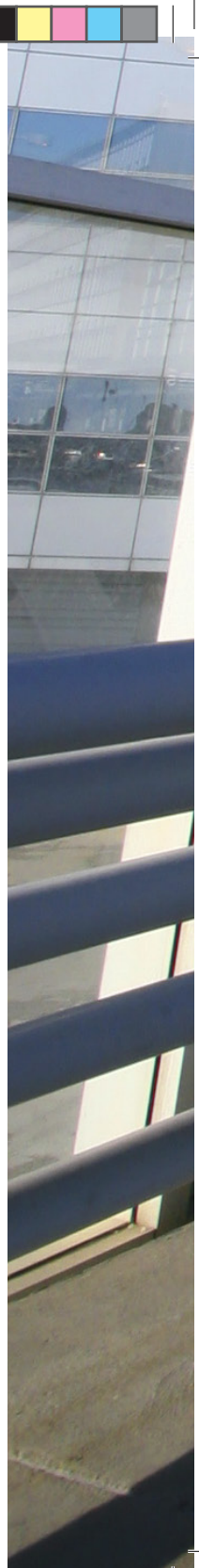
- Stephen Angus, Executive General Manager, Air Navigation Services, Airservices Australia
-

12:15-12:30

Closing Remarks

Venue: El Prado

- Brendan Kelly, Head of Systemised Airspace and Airport Integration, NATS and Chair, CANSO Operations Standing Committee





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Aireon is deploying a space-based air traffic surveillance system for Automatic Dependent Surveillance-Broadcast (ADS-B) equipped aircraft throughout the entire globe. Aireon will harness next-generation aviation surveillance technologies that are currently ground-based and, for the first time ever, extend their reach globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. Real-time ADS-B surveillance will cover oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. In partnership with leading air navigation service providers (ANSPs) from around the world, like NAV CANADA, the Irish Aviation Authority (IAA), ENAV and Naviar, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system in 2018.

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aireon.com

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A world leader in ATM, Thales combines more than 80 years in development and deployment, an unrivalled worldwide installed base, advanced technology and ground-breaking innovations to deliver solutions that are continually adapted to the ever-changing aviation system's needs. Thales is trusted by key ATM decision makers across more than 170 nations, and helps key decision makers master complexity and make timely decisions for better outcomes. With engagement in all major ATM modernisation initiatives, ICAO ASBUs, SESAR and NextGen, Thales focuses on international harmonisation. Our strong involvement in these initiatives, and the alignment of our product roadmaps, ensures that our solutions have been extensively tested, certified and validated.

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Departures

Departing to	Airline	Flight	Time	Status
Madrid	 World ATM Congress	2019	12-14 March	On Time
Madrid	 World ATM Congress	2019	12-14 March	On Time
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**World ATM
Congress 2019**

12-14 March 2019

Madrid, Spain

IFEMA, Feria de Madrid

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