Colleagues,

On behalf of the FAA and EUROCONTROL, we are excited to welcome you to the 2023 Air Transportation Information Exchange Conference (ATIEC) at George Mason University. This year’s theme *Deciding with Data: Leveraging information to make better data-driven choices* will consider the tremendous work accomplished across the globe delivering digital information in support of Air Traffic Management.

This year’s conference brings a slate of international experts to discuss topics in the following areas:

1. System Wide Information Management (SWIM)
2. Traffic Management Ecosystems
3. Information Exchange Models (AIXM, FIXM, iWXXM)
4. Artificial Intelligence and Data Analytics

Our aim continues to be advancing global collaboration and improving aviation safety and performance around the world. We hope you will make the most of this conference by networking with your peers, discussing the critical issues that affect our work, and identifying strategies to minimize the challenges we face.

Thank you and welcome!

Kind regards,

Jessica Sypniewski  
Federal Aviation Administration (FAA)  
Deputy Assistant Administrator for NextGen

Dennis Hart  
EUROCONTROL  
Head of Information & Cyber Unit
**Opening Remarks by**  
Jessica Sypniewski  
FAA Deputy Assistant Administrator for NextGen

**Keynote Speaker**  
Dennis Hart  
EUROCONTROL Head of Cyber and Information Unit

**Keynote Speaker**  
Nadine Alameh  
Open Geospatial Consortium CEO & President

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<td>9:00 – 9:10 AM</td>
<td>Opening Remarks - FAA</td>
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<td>Jessica Sypniewski / FAA ANG-2 Deputy Assistant Administrator for NextGen</td>
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<td>9:10 – 9:45 AM</td>
<td>Opening Remarks - EUROCONTROL</td>
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<td>Dennis Hart / EUROCONTROL Head of Information &amp; Cyber Unit</td>
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<td>9:45 – 9:50 AM</td>
<td>Break</td>
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<td>9:50 – 10:20 AM</td>
<td>Flight Deck CDM</td>
<td>Leveraging information exchange to increase situational awareness of all stakeholders of the decision-making process.</td>
<td>Nouri Ghazavi / FAA</td>
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| 10:20 – 10:45 AM | How operations can be enhanced with data from the user perspective? | Talk about collaboration in a global airspace; importance of interoperability and stakeholder engagement. Detailing how newly available data can support future operations. | Michael Krenz / Collins Aerospace
Christopher Gottlieb / Jet Blue
Reinhard Thanhauser / Lufthansa Systems Moderator: Nadine Alameh / OGC |
| 10:45 – 10:50 AM | Break                    |                                                                                        |                                                                         |
| 10:50 – 11:10 AM | Dynamic data exchange in upcoming UAS operations | Dealing with operational challenges within the airspace and how information is the key to future needs. | Phil Maloney / FAA
Stéphane Dubet / French Civil Aviation Authority Moderator: Jim Ritchie / FAA |
| 11:10 – 11:40 AM | A-CDM - Asia             | The role information exchange plays in collaborative decision-making in the Asian region.        | Chairat Panpattarakul / AeroThai (via Zoom)
Wachiraporn Chaiwattanakulkit / AeroThai (via Zoom) |
| 11:40 – 11:50 AM | Break                    |                                                                                        |                                                                         |
| 11:50 – 12:10 AM | A-CDM - Europe           | The role information exchange plays in collaborative decision-making in the European region.       | David Booth / EUROCONTROL (via Zoom)                                   |
| 12:10 – 13:10 PM | Lunch Break              |                                                                                        |                                                                         |

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**FEATURING**

Jessica Sypniewski  
FAA Deputy Assistant Administrator for NextGen

Dennis Hart  
EUROCONTROL Head of Cyber and Information Unit

Nadine Alameh  
Open Geospatial Consortium CEO & President

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**ATIEC 2023:** Wednesday, 05/31/2023 – Friday, 06/02/2023  
George Mason University | Arlington, Virginia, U.S.

*all times are in Eastern Daylight Time (EDT)*
## DAY 2 | EXCHANGE | AGENDA

### SWIM and EXCHANGE MODELS

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<td>8:00 – 9:00 AM</td>
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| 9:00 – 9:25 AM | Cloud and Information sharing | Discussing how the cloud infrastructure is supporting high demand for information exchange.  
Mickey Iqbal / AWS  
Natesh Manikoth / FAA-AIT  
Moderator: Jim Ritchie / FAA |
| 9:25 – 9:55 AM | EUROCAE ED269 standard, U-SPACE concept (highlighting SWIM aspects) | Highlighting the need to provide information to multiple stakeholders in different operations related to air traffic management.  
Stéphane Dubet / French Civil Aviation Authority |
| 9:55 – 10:25 AM | Update on FAA SWIM planning and deployment | Providing an update on future enhancements to the FAA’s SWIM infrastructure.  
Stefanie Calabrese / FAA  
Kristin Cropf / FAA |
| 10:25 – 10:55 AM | Updates on SWIM planning and deployment in Europe | Providing an update on future enhancements to the EUROCONTROL’s SWIM infrastructure. FF-ICE R1 Mandate.  
Magnus Molbaek / SDM (via Zoom)  
Per Erland Andersen / SDM (via Zoom) |
| 10:55 – 11:15 AM | Break                                                                                                                                       |
| 11:15 – 12:15 AM | SWIMposium: Consuming SWIM services from a customer perspective | Focus on how information exchange enhances operations; the importance of interoperability; overcoming challenges through the implementation of SWIM.  
Thomas Eschenhagen / Lufthansa Systems  
Mark Duell / FlightAware  
Chris Burdick / FAA-TFMS  
Jeremy Coupe / NASA DIP  
Moderator: Thomas Green / LS Technologies |
| 12:15 – 2:00 PM | Lunch Break                                                                                                                                  |
| 2:00 – 2:40 PM | FIXM: 4.3 Release | Provides an update to the current state of FIXM, and future plans for the model.  
Kelly Mulholland / FAA |
| 2:40 – 3:10 PM | International Transition from TAC to iWXXM | Provides an update to the current state of iWXXM, and future plans for the model; details impacts of the transition of TAC to iWXXM.  
Rebecca Kotten / FAA  
(Con-Contributor in absentia: Boon Leung Choy / WMO) |
| 3:10 – 3:30 PM | Break                                                                                                                                       |
| 3:30 – 4:00 PM | AIXM 5.2 release/semantic validation/NOTAM revision concept proposal | Provides an update to the current state of AIXM, and future plans for the model.  
Eddy Porosnicu / EUROCONTROL  
Brian Murphy / FAA |
| 4:00 – 5:00 PM | ICAO NOTAM system revision | Updates from ICAO about NOTAM.  
-Central Question: What will this bring to MY operations?  
Caroline Doucet / NAV CANADA  
Brian Murphy / FAA  
Reinhard Thanhaeuser / Lufthansa Systems  
Eddy Porosnicu / EUROCONTROL  
Moderator: Nicole Zinn / LS Technologies |

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# DAY 3 | ADVANCEMENTS | AGENDA

Advancements in emerging technologies (AI/ML) related to information exchange

### 8:00 – 9:00AM | Check-In

### 9:00 – 9:30AM
- **Increasing the Success Rate of AI and ML Systems Deployment at the Enterprise Level**
  - Provides guidance on moving AI/ML projects from R&D to operations.
  - Mehran Irdmousa / MZI Aviation

### 9:30 – 9:55AM
- **AI/ML**
  - **Expectation:** Discuss lessons learned and future plans - what kind of data will enable these programs - talking about usable data - upcoming info exchange.
  - Trung Pham / FAA-AVS (via Zoom)
  - Jeremy Coupe / NASA DIP
  - Moderator: Jim Ritchie / FAA

### 9:55 – 10:25AM
- **Advanced Automation in ATC at EUROCONTROL Maastricht Upper ACC**
  - Discussing automation
  - Peter Hendrickx / EUROCONTROL (via Zoom)

### 10:25 – 10:45AM | Break

### 10:45 – 11:15AM
- **Common PKI Implementation in Aviation**
  - Discussing interoperability and security in the future for all stakeholders.
  - Patrick Mana / EUROCONTROL

### 11:15 – 11:45AM
- **Hyperconnected ATM**
  - The importance of interoperability in this form of ops, and the benefits of this technology.
  - Samantha Schwartz / Boeing

### 11:45 – 12:00PM
- **Closing Remarks - FAA**

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**FEATURING**

**Closing Remarks**

**Andras Kovacs**
FAA ANG-C Deputy Director (A)

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**PRESENTED BY**

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Thank you to all ATIEC 2023 Speakers and Attendees.

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How did you like ATIEC? We want to hear from you.

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