# **SWIM** Connect 2015

*Industry Use of SWIM Today and Plans for the Future*

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CEO, Snowflake Software Inc.

**Daniel Baker**
CEO, FlightAware

**Anuja Verma**
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**Jeri Groce**, Moderator
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Date: November 2 2015

Federal Aviation Administration

SWIM connect 2015

# Nadine Alameh, Ph.D.

## CEO, Snowflake Software Inc.

# Enabling data exchange in the Aviation Industry

- Award-winning on-premise and cloud-based solutions
- Loading, managing, and sharing aeronautical data
- Reducing complexity, cost and development timeframes
- Built on international standards and mainstream IT technologies

## SWIM Feature

- Use of International Standards
- Open access to data
- Enabling information exchange

## Industry Benefit

- Lower barriers to entry
- Accelerated innovation
- Increased international collaboration

FlightAware

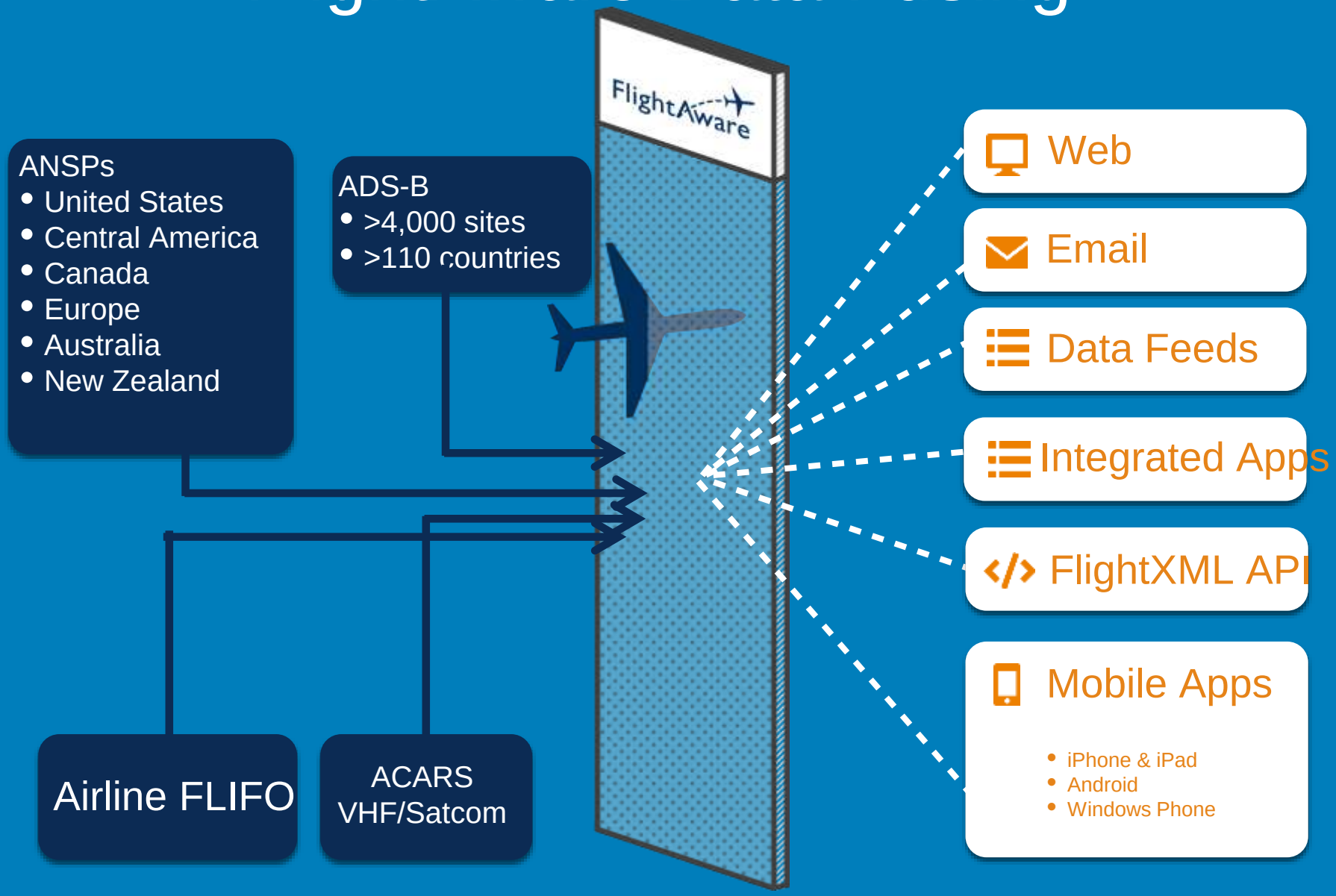
Daniel Baker
CEO, FlightAware

# About FlightAware - Overview

- Flight tracking service and data provider to airlines, business aviation, cargo, airline service providers, military
- Fusing data from over 50 disparate sources around the world, turning raw data into decision making tools.
- 15,000 commercial customers, >10,000,000 consumer users
- Customers include ARINC, United Airlines, SITA, Singapore Airlines
- Largest aviation site in the world (>300MM page views/mo)
- 50 employees at offices in Houston and New York City
- Data centers in Houston, Washington, San Francisco, New York, Dallas, London, Amsterdam, Singapore, and Hong Kong

FlightAware

# FlightAware Data Fusing



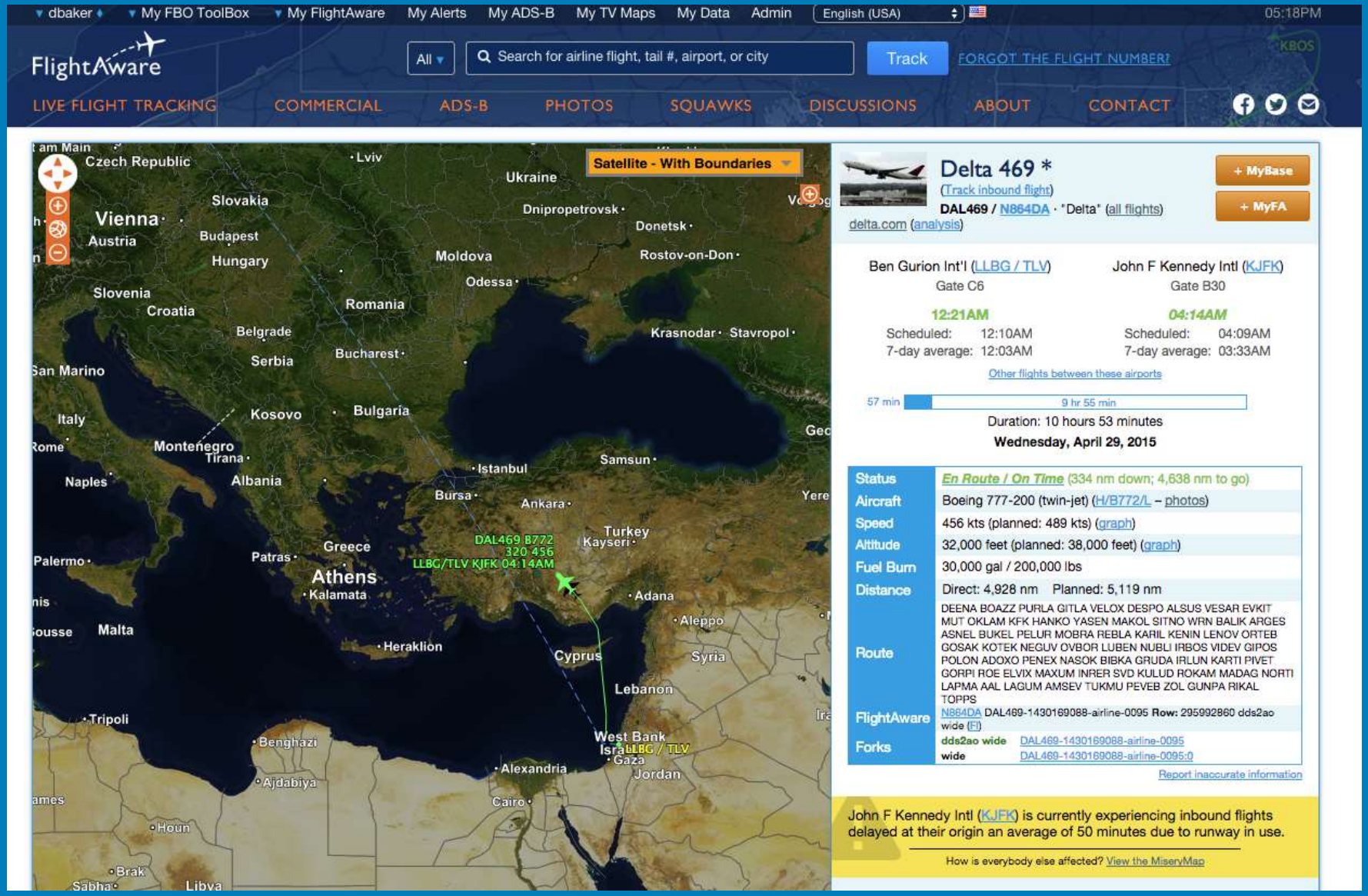

FlightAware

# About FlightAware - Fusing Data

- Parsing over 50 disparate data feeds from government and private sector
- Accepting data out of order
- Determining the most accurate source
- Finding and eliminating or reducing errors
- Outputting comprehensive flight tracking data

FlightAware

# Next-Generation Flight Tracking




FlightAware

# MITRE's Participation in SWIM

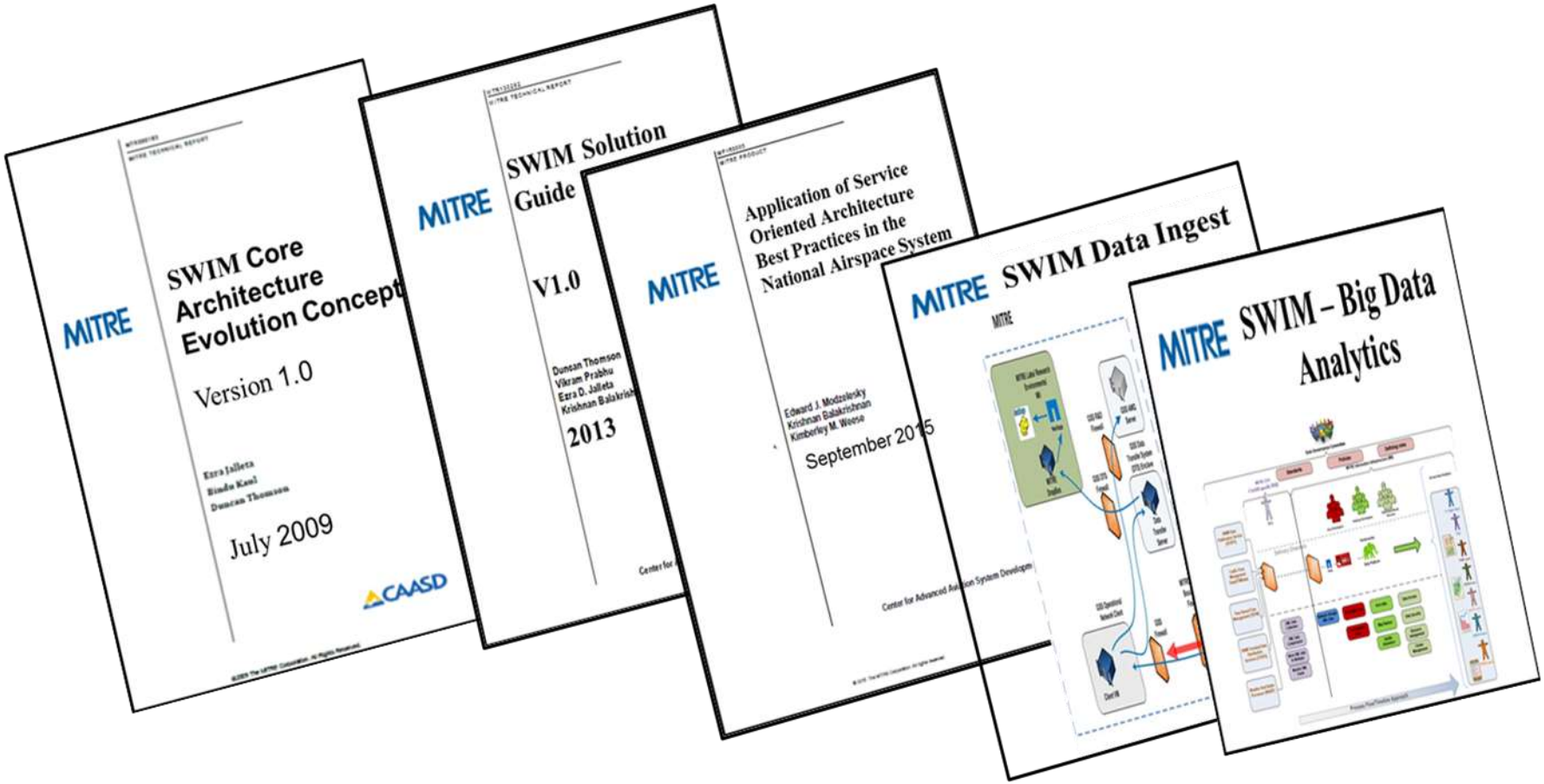
Anuja Verma
The MITRE Corporation
Center for Advanced Aviation System Development

# Understanding Federally Funded Research and Development Centers (FFRDCs)

# MITRE's Center for Advanced Aviation System Development (CAASD) is the FAA's FFRDC

Our mission is to serve the public interest by advancing the **safety, security, effectiveness, and efficiency** of aviation **in the United States and around the world** by conducting a continuing program of research, development, and engineering **in collaboration with the aviation community**

# MITRE's Participation in SWIM




MITRE has been involved with SWIM since its inception

Now, we are also consumers of SWIM data

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