

*Global Information
Management*

SWIM User Experience

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Date: August 27, 2015



Federal Aviation
Administration



AIR TRANSPORTATION INFORMATION EXCHANGE CONFERENCE

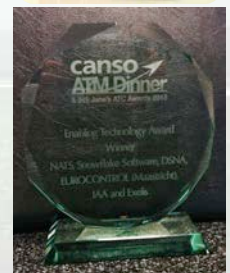
Global Information Management

August 25-27, 2015

NOAA Auditorium and Science Center • Silver Spring, MD



- Snowflake enables data exchange in the Aviation industry
 - Build and sell enterprise software products
 - Offices in Southampton UK & Washington DC
 - 100% Privately owned
 - 30% growth for the last 3 years

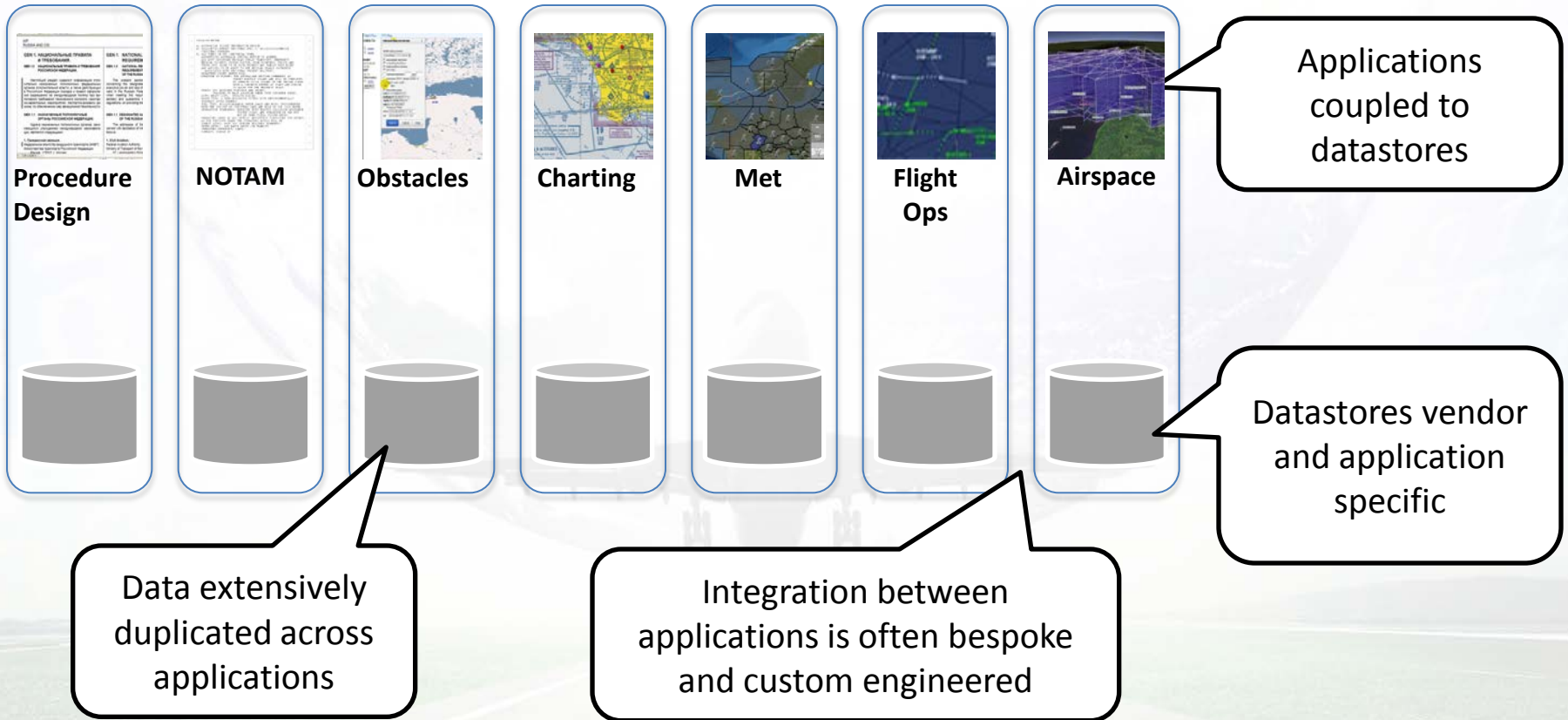


SWIM User Experience

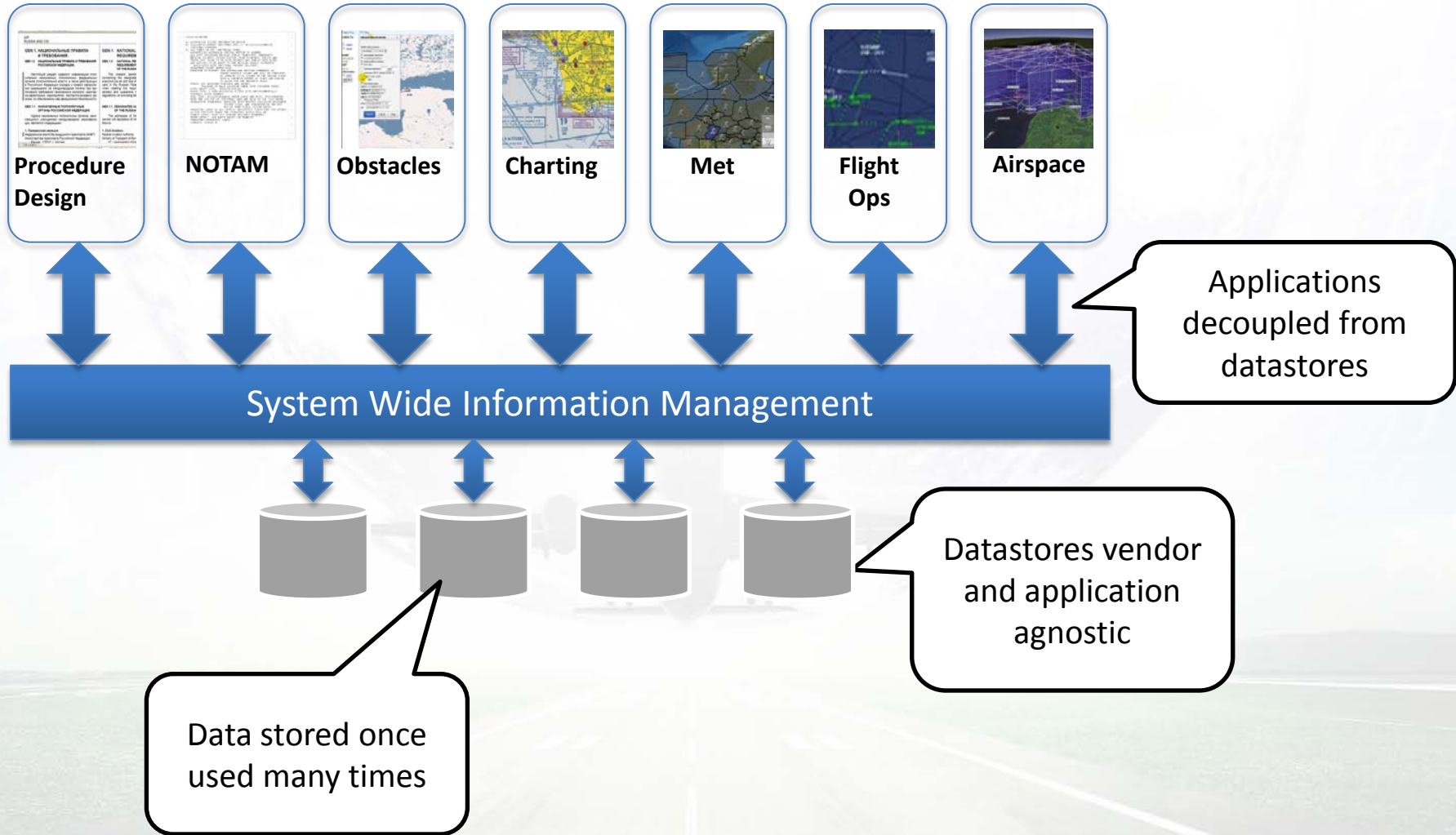
- Small Business Perspective
- Technology Perspective
- US & European Experiences
- Using SWIM to begin solving problems



From Product Centric

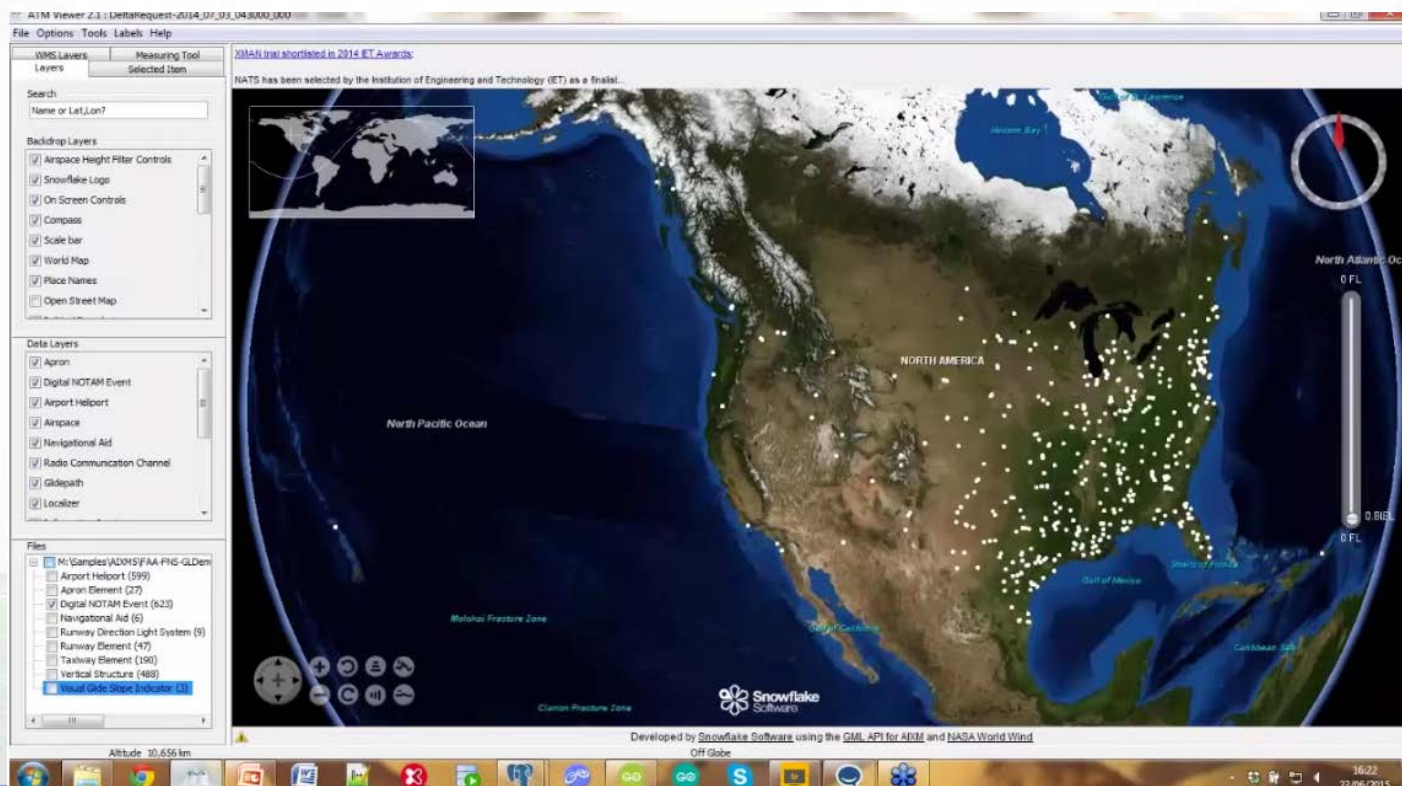


To Net Centric



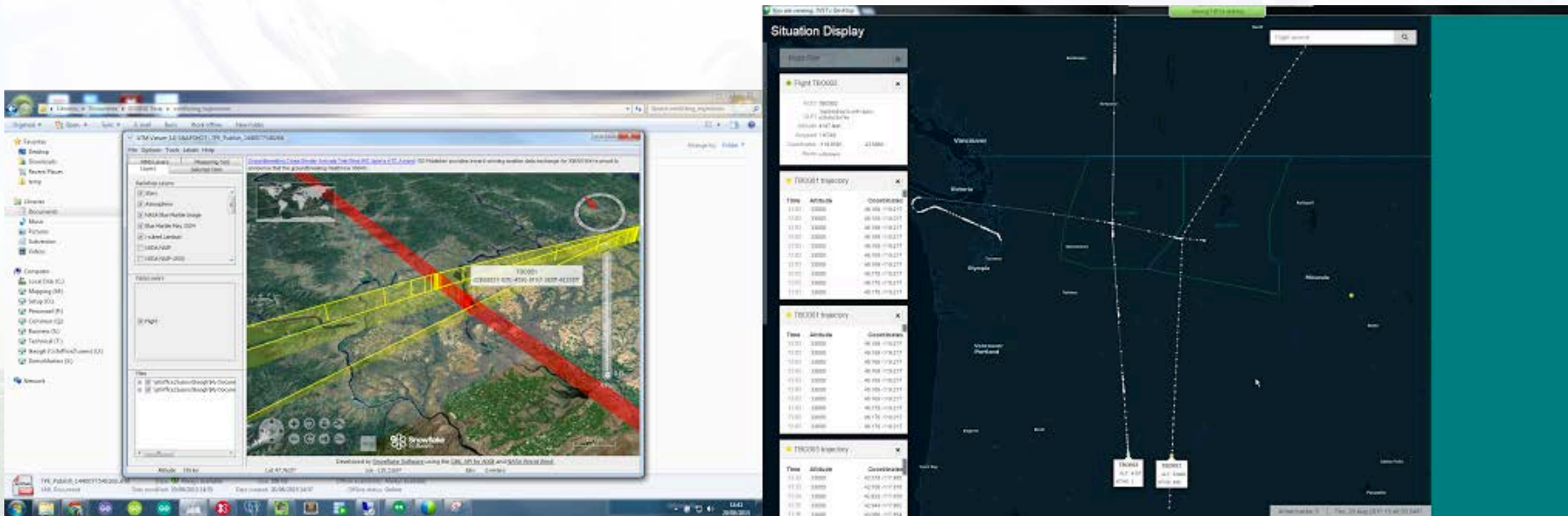
SWIM Data Feeds

- AIM FNS for NOTAMs (AIXM)



SWIM Data Feeds

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- SFDPS for en-route flight data (FIXM)



SWIM Data Feeds

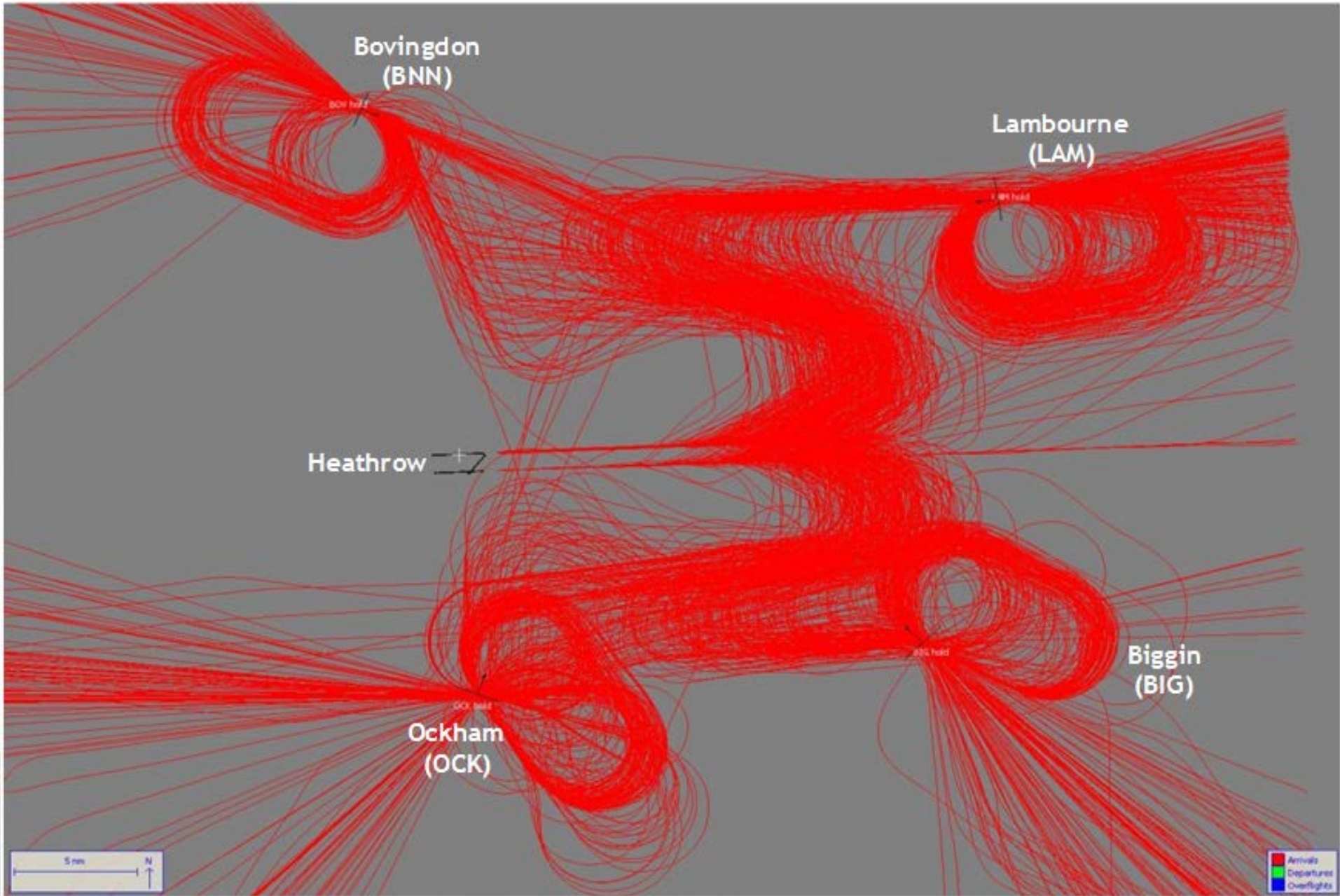
- AIM FNS for NOTAMs (AIXM)
- SFDPS for en-route flight data (FIXM)
- TFMS
- STDDS
- ITWS



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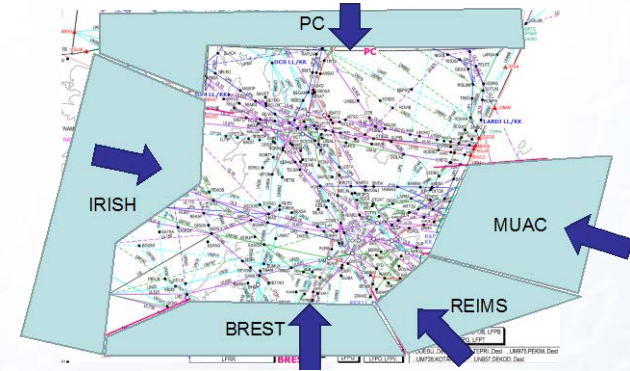


Source: Heathrow noise & track keeping system, 7 July 2010

Making Information Available to Stakeholders

UK NATS XMAN

- Exchanges Arrival Management data
- Operational at Heathrow
- 18 month end-to-end. One of fastest research-to-operational projects at NATS
- 1st SWIM based Arrivals Management project in Europe
- Realized significant savings
- Winner of 2015 Janes ATC Award



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Using SWIM to being solving problems

AIXM 5.0

AIXM DOD Extensions

AIXM ADR Extension

AIXM Eurocontrol EAD Extension

AIXM 5.1

AIXM FAA FNSE Extension

WXXM

IWXXM

AIXM AMDB Extension

FIXM 2.0

NAXM

FIXM 3.0

FIXM US Extension

FIXM EUROCONTROL A-CDM Extension

AIXM Reverse Association Extension



Using SWIM to begin solving problems

- Data Models
- Data Volume
- Data Storage
- Data Fusion/Correlation
- Data Management

SWIM Experience Take Aways

- SWIM is an enabler
 - Enabling mainstream IT to solve problems
 - Reducing barriers to work with ATM Data
 - Opening the market, stimulating growth
 - Creating a more diverse supplier base
 - Drive down costs
 - Speed up implementation

Thank you



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