

ICAO Air Traffic Flow Management (ATFM) Global Symposium

ATFM: together, bringing every destination closer

Singapore, 20 to 22 November 2017

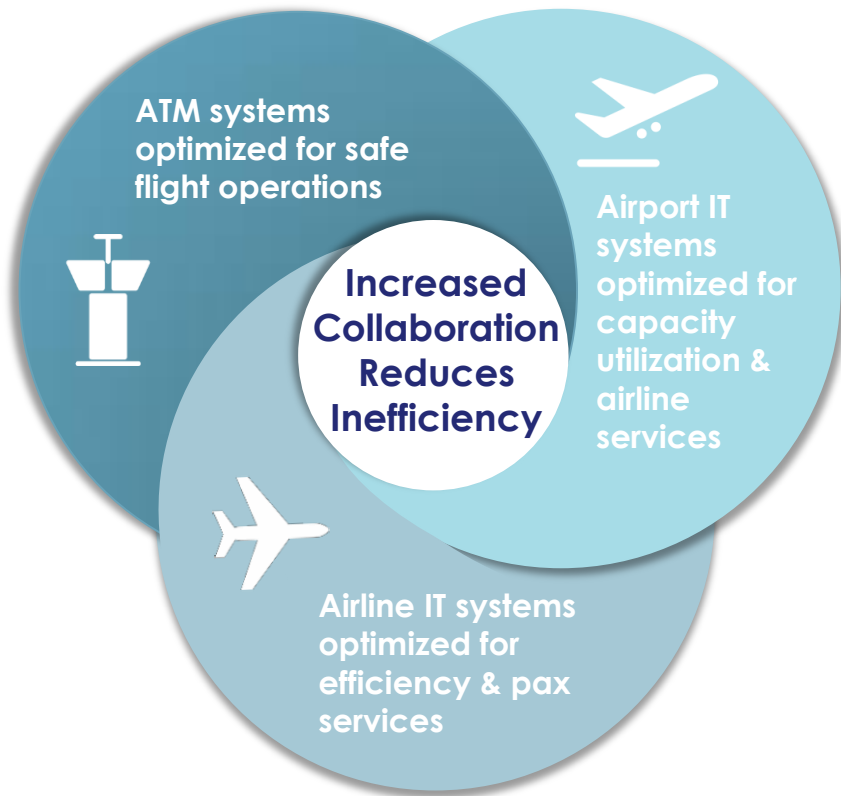
Air Traffic Flow Management

22 NOVEMBER 2017

Todd Donovan
VP, ATM Strategy & Marketing



The Tripartite of Aviation



Stakeholders have different drivers

Global standardization in low

Valuable data is captive within each stakeholder's systems

Low incentive to share data – limited optimisation between stakeholders

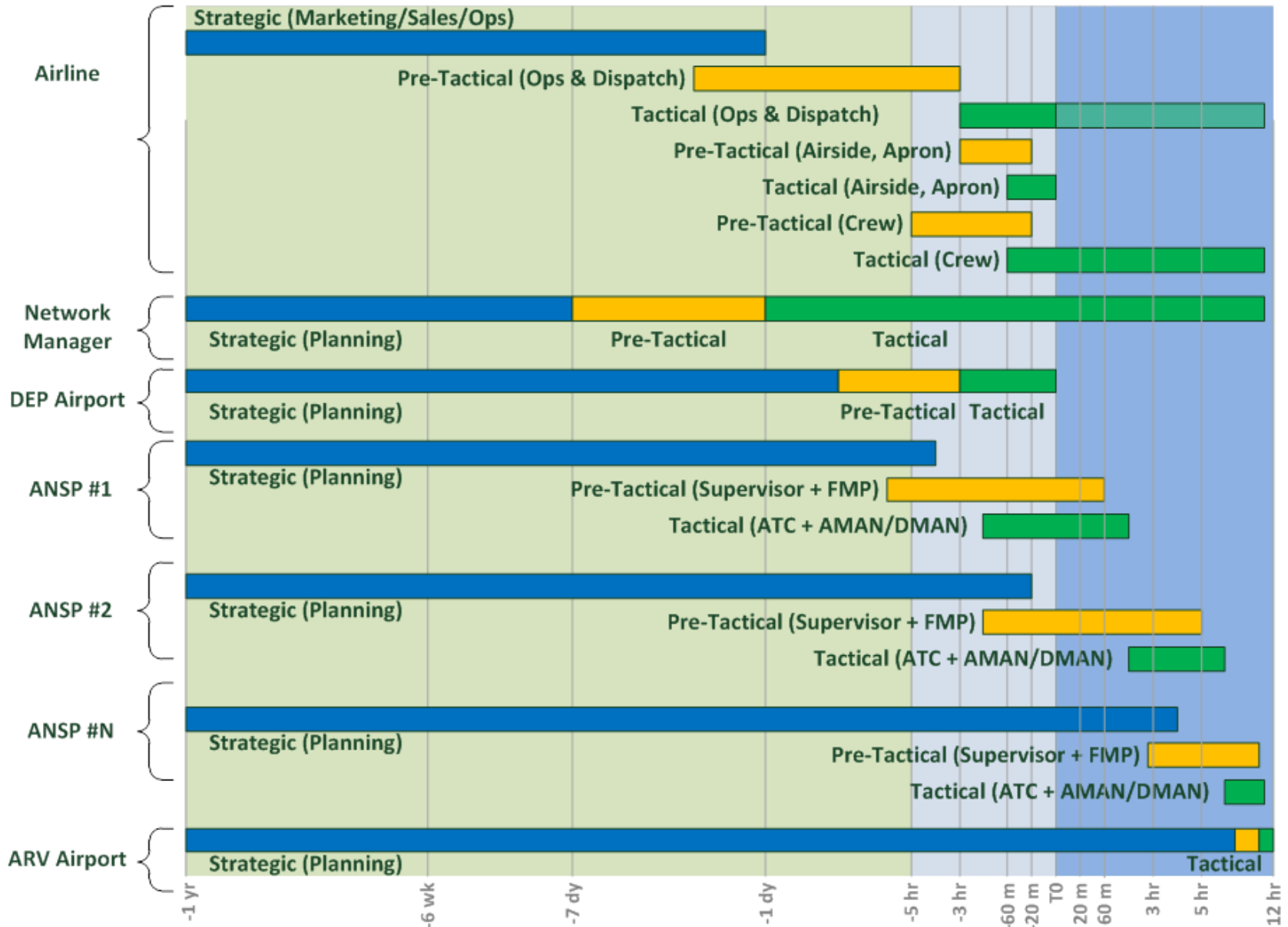
\$9B+ inefficiency per annum

Small gains in aviation operations efficiency = large value / benefits

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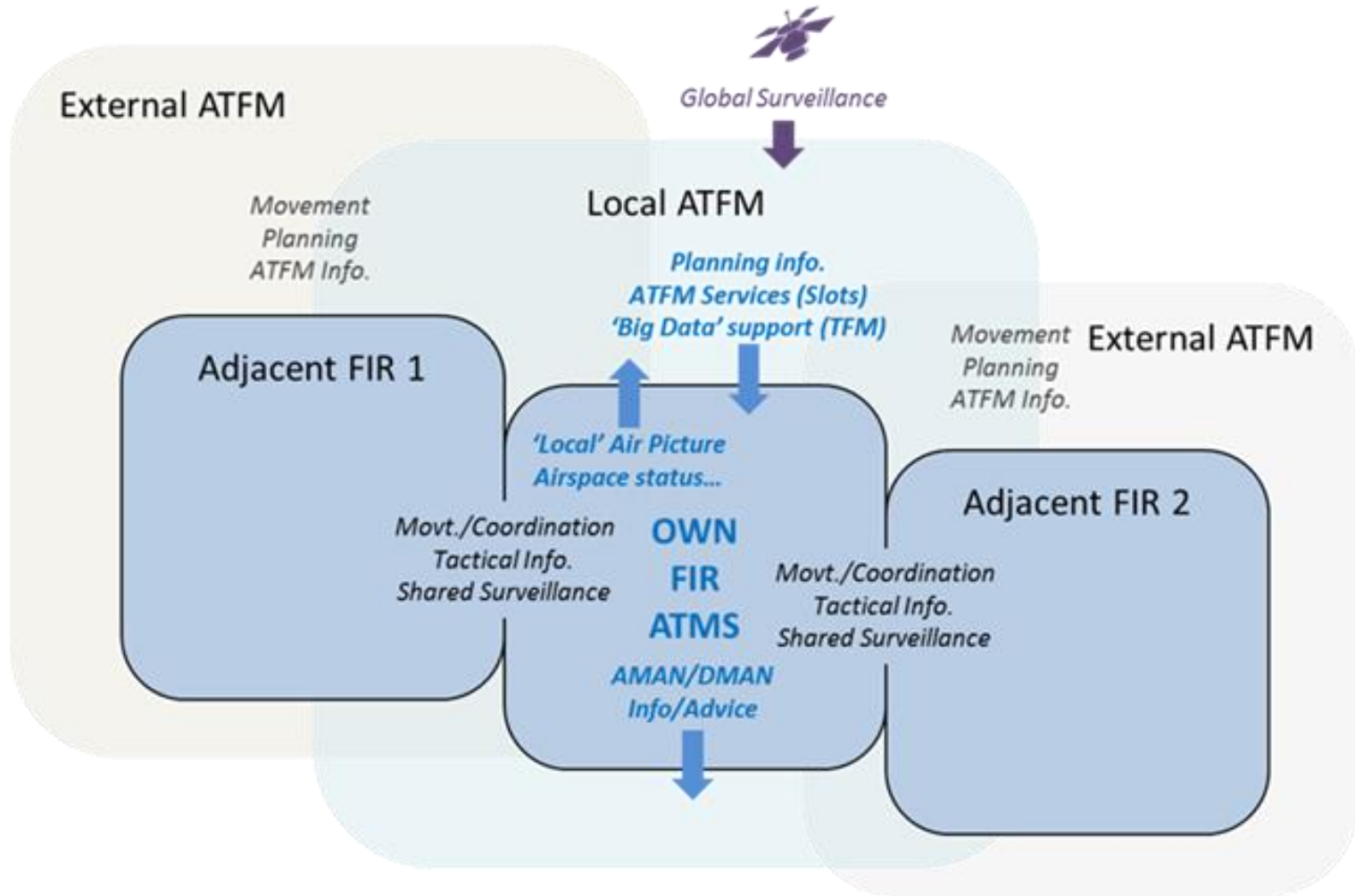
Complex Due To Different Planning Timeline for Each Stakeholder



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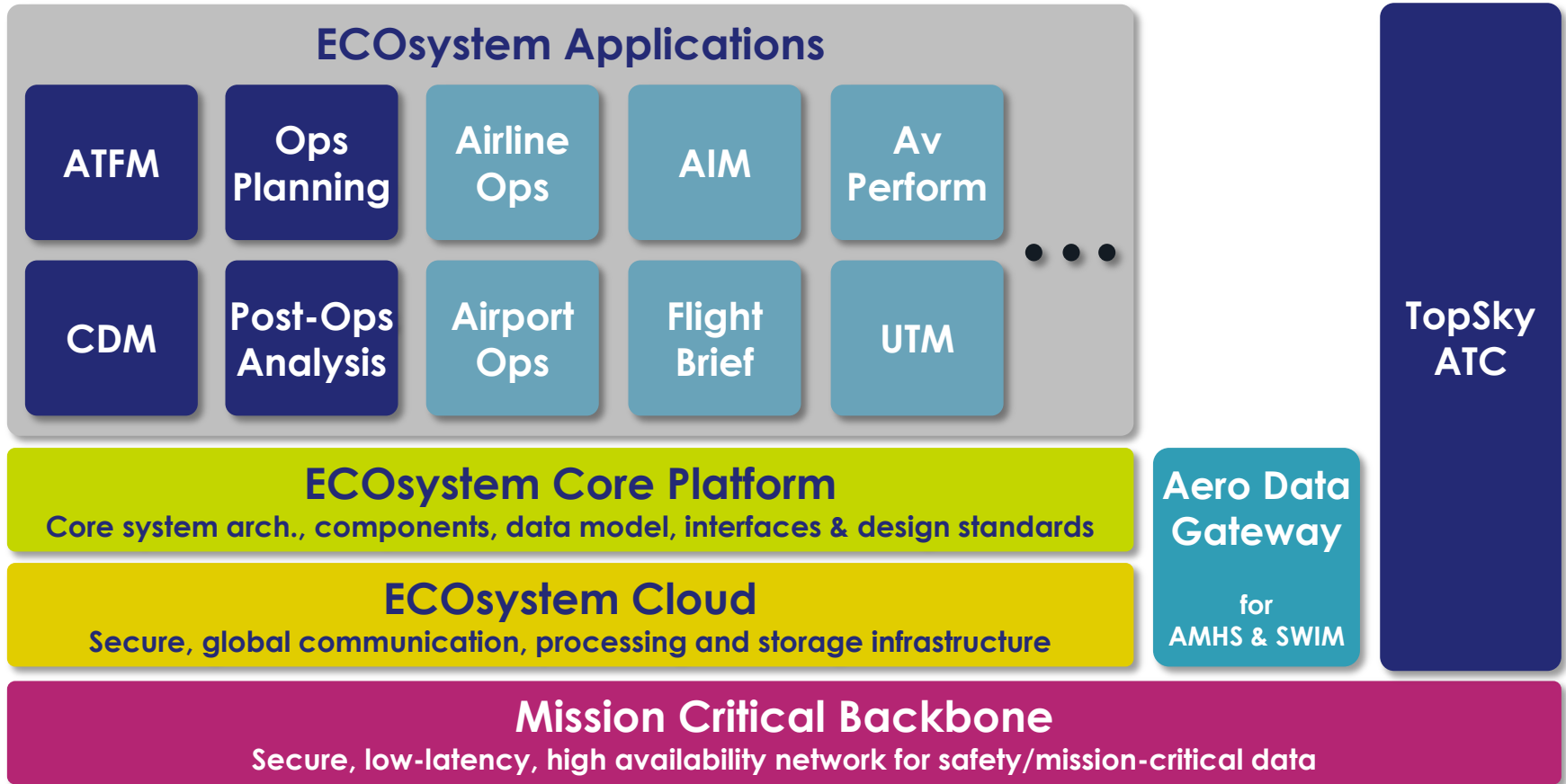
Further Complicated Due to Inter-ANSP Coordination



Need to “Fit” Strategic and Pre-Tactical Adjustments Into the Existing Operating Concepts & Inter-ANSP Agreements

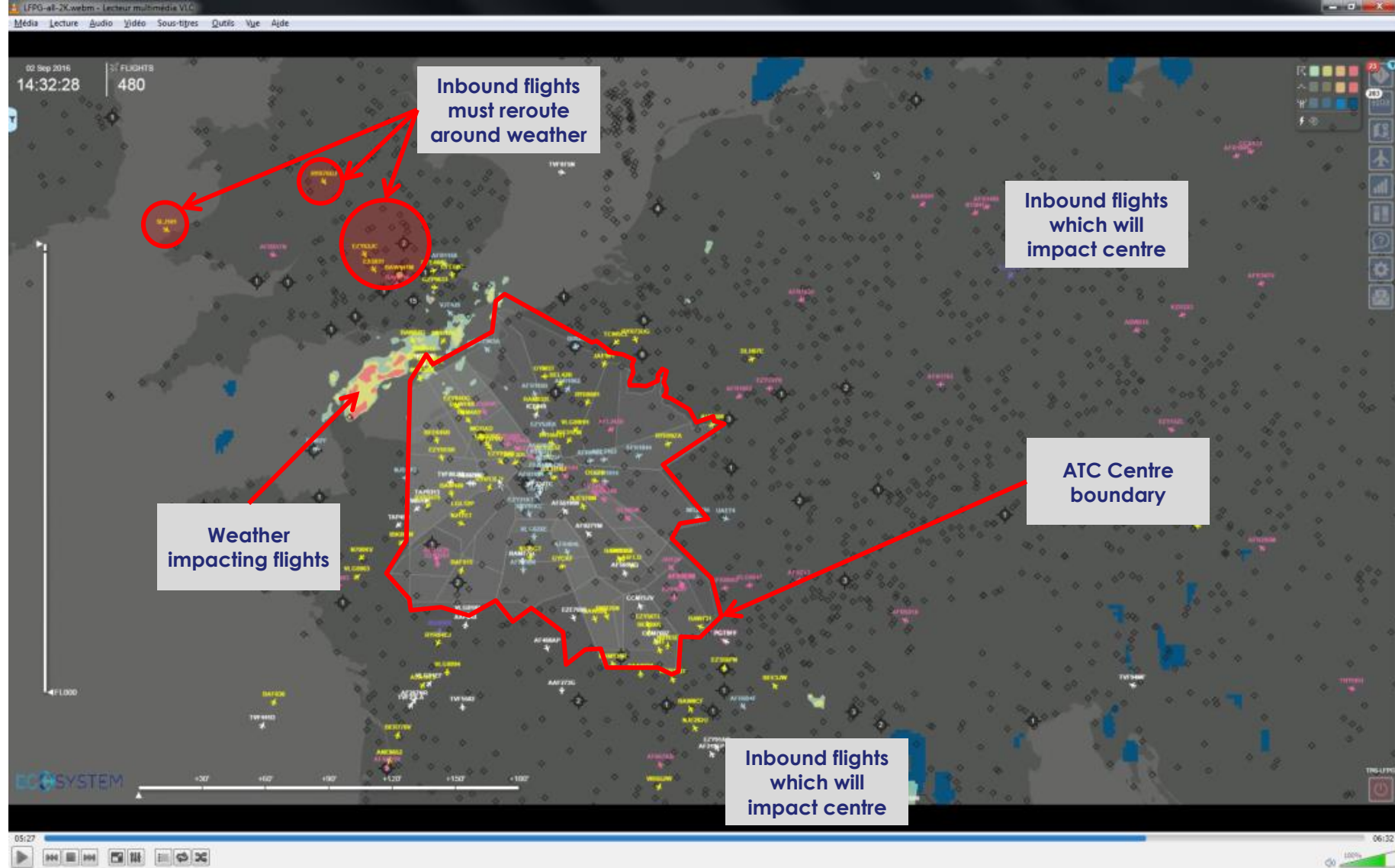
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Collaborative Platform Key to Multi-Stakeholder Interaction



“Aviation Cloud” Enables Robust & Secure Information Sharing and Interactive Concepts To Synchronize All Stakeholders

Key Idea – Advance Warning Enables Proactive, Efficient Solutions



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Tools – Rerouting around severe weather or capacity/complexity issue

27 Oct 2016 16:38:00 | **FLIGHTS 9**

LFBNH4 16:00 - 22:20
LEBL Dep

Entry	Callsign	A/c type	ADEP	ADES	FL	EOBT	Take-off	ATOT	Delay	MPR	Arrival	Cpx
A 16:04	EZY82FK	A320	LEBL	EGKK	365/A	15:17	15:36/C	15:43	12'	EGKKA27	17:31/A	79
I 16:51	AFR549Q	A319	LEBL	LFPG	365/E	16:15	16:31/C		0'	LFPGBA27	18:02/C	70
I 17:08	KLM88T	B738	LEBL	EHAM	365/E	16:15	16:45/C		9'	RESTU27	18:40/C	62
I 17:28	RYR54ZZ	B738	LEBL	EGSS	365/E	16:40	17:04/C		9'	RN27	18:57/C	38
I 17:21	RYR35TG	B738	LEBL	EGGP	365/E	16:40	16:57/E				19:07/E	53
I 17:56	AFR1049	A318	LEBL	LFPG	365/E	17:25	17:36/E				19:07/E	39
I 18:22	EWG1533	B738	LEBL	EDDL	365/E	17:45	18:02/E				19:59/E	0
T 16:34	VLG908P	A320	LEBL	EBBR	365/A	16:00	16:07/E	16:13			17:55/A	61
I 18:56	AFR249Z	A318	LEBL	LFPG	365/E	18:25	18:36/E				20:07/E	

1/ Activate Rerouting IHM (right click in the flight list or in the ASD)

2/ Draw the new route or defined area to avoided

ROUTE PROFIL 2D
WHAT-IF "Delay"
WHAT-IF "LEVEL CAP"
WHAT-IF "REROUTE"
OTHER FUNCTIONS

3/ Check Rerouting impact on sectors workload by identifying off load and on load sectors

4/ Check New route features

- Route Length
- Fly time
- Off load sectors
- On load sectors
- New ETA

5/ Send to Airline & Airline Issues Flight Plan Revision

TOPLINK connects • shares • improves

TR6-LFBB-51

Enable Multi-Stakeholder ConOps Using Existing and Emerging Information Exchange Interfaces/Technologies

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ECOSYSTEM

better data, better decisions, better results...

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