

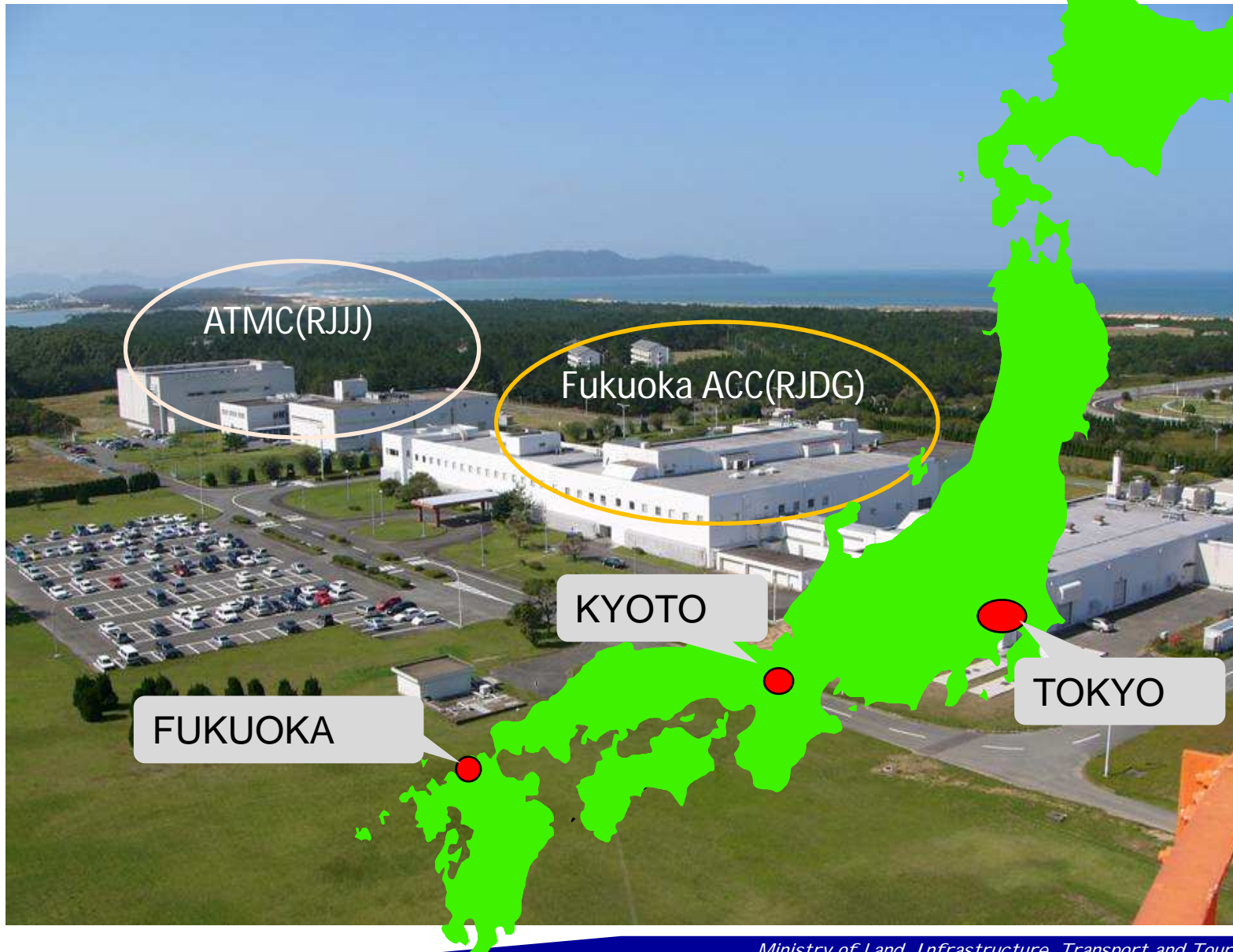


 **CIVIL AVIATION BUREAU of JAPAN**

Importance of Information Exchange When conducting Cross-Border ATFM

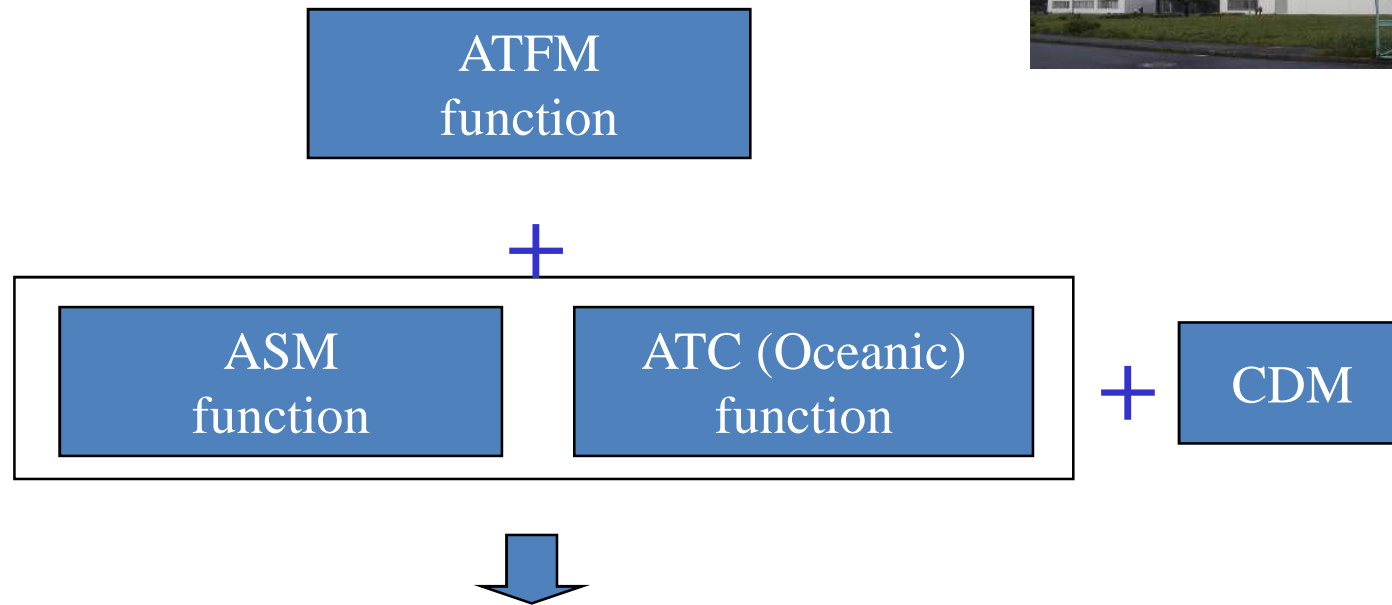
ICAO MET/ATM Seminar

June 29-July 1, 2015 - Tokyo, Japan



Evolution from ATFMC to ATMC

- Air Traffic Flow Management Center (ATFMC) started operations in October 1994.
- The ATFMC evolved into ATMC in October 2005.



Air Traffic Management Center (ATMC)

ATMC Functions

- ◆ Monitor of air traffic flow and volume
- ◆ Route coordination with aircraft operators
- ◆ Flow control

- ◆ Oceanic control with ADS-C data-link
- ◆ Organization of Pacific Organized Track System
- ◆ Coordination of international traffic flow

ATFM

Oceanic
ATM

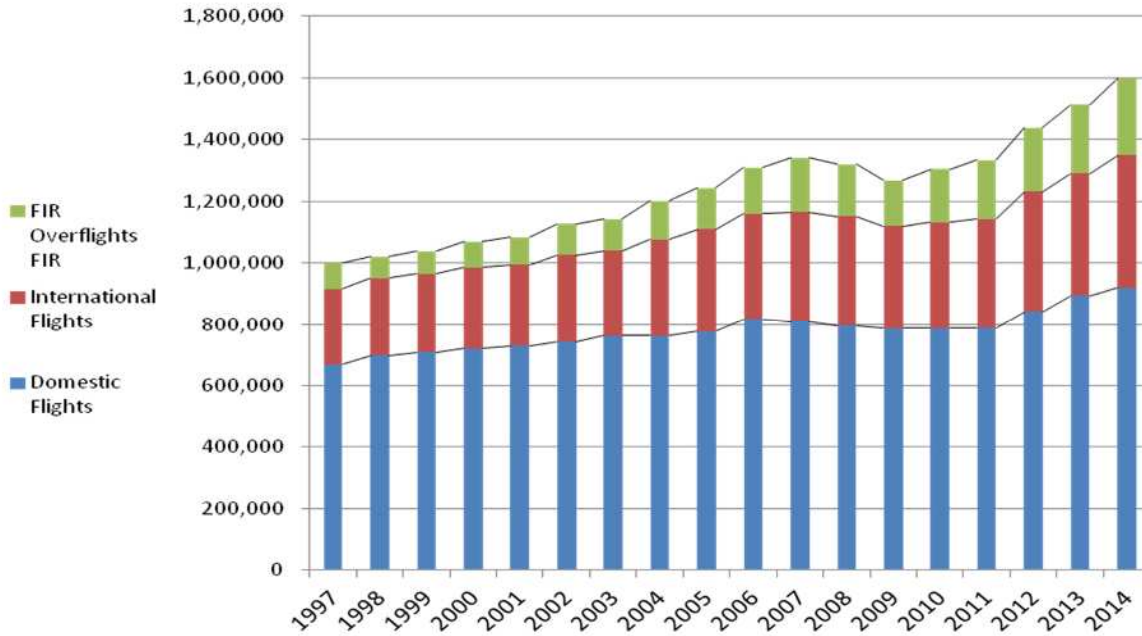
ASM



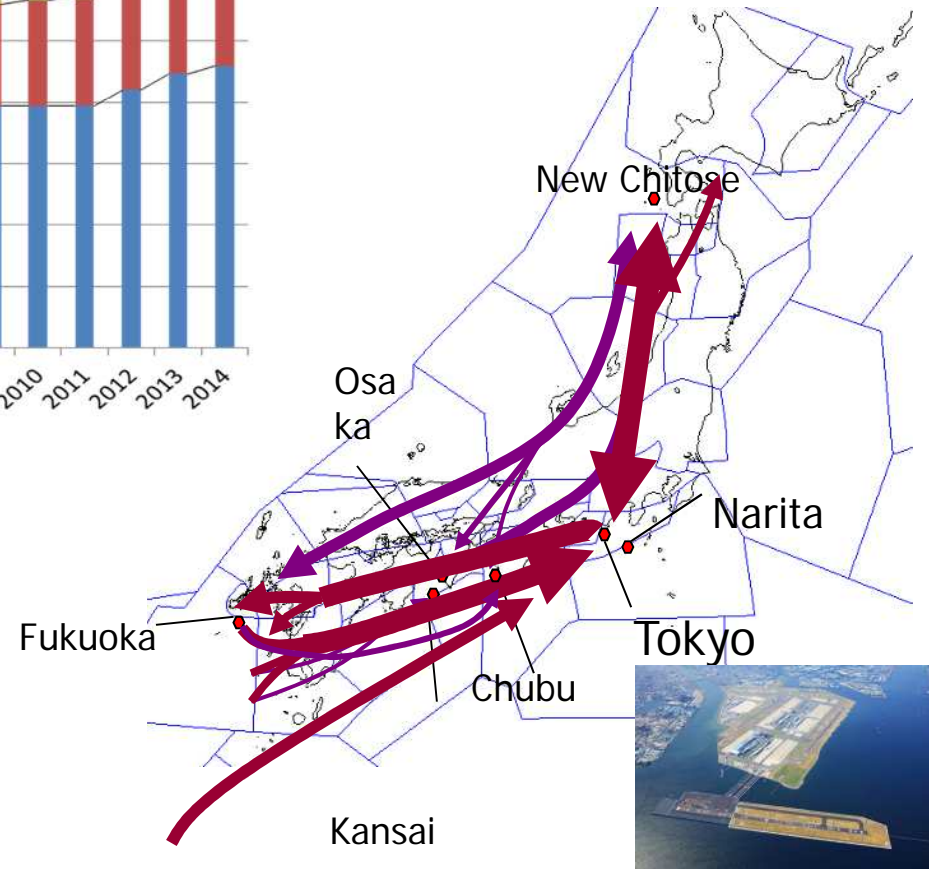
- ◆ Designing of airspace and airways
- ◆ Management of civil training and testing airspace
- ◆ Coordination with military for flexible use of airspace



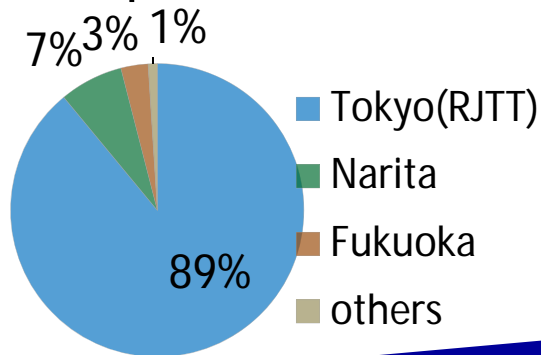
Air Traffic Volume Trend



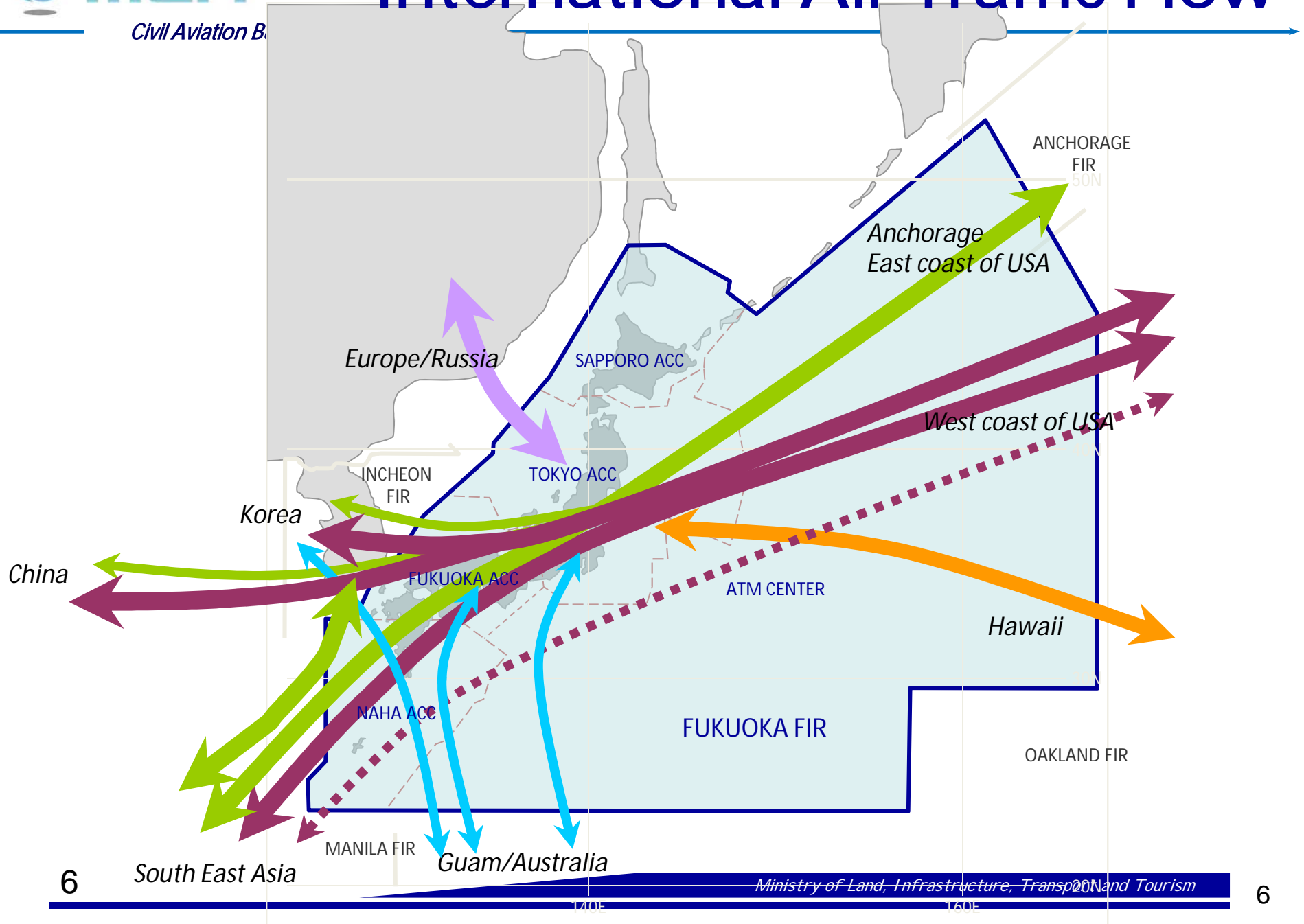
Domestic Air Traffic Flow



flow control initiatives for airports

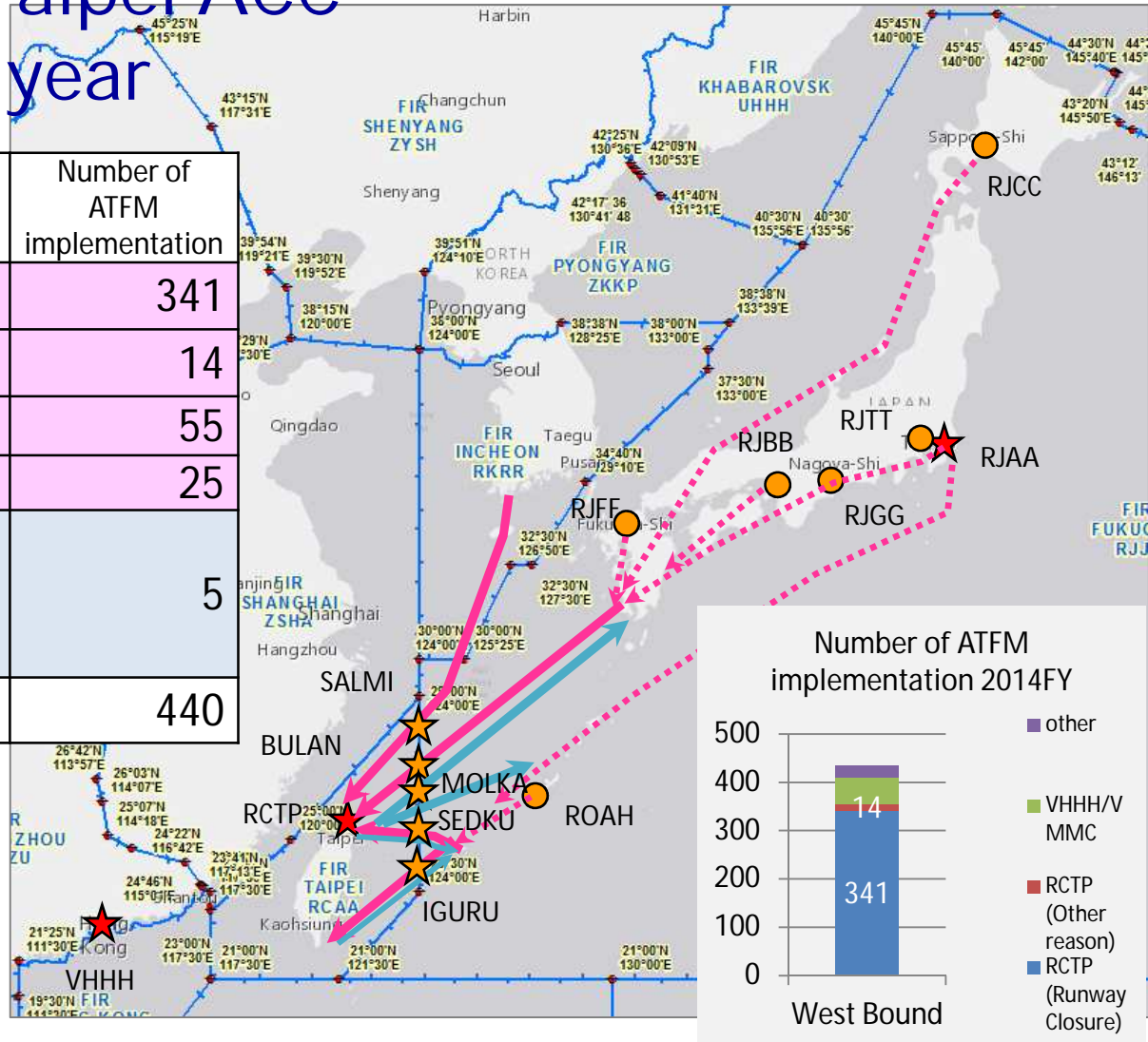


International Air Traffic Flow

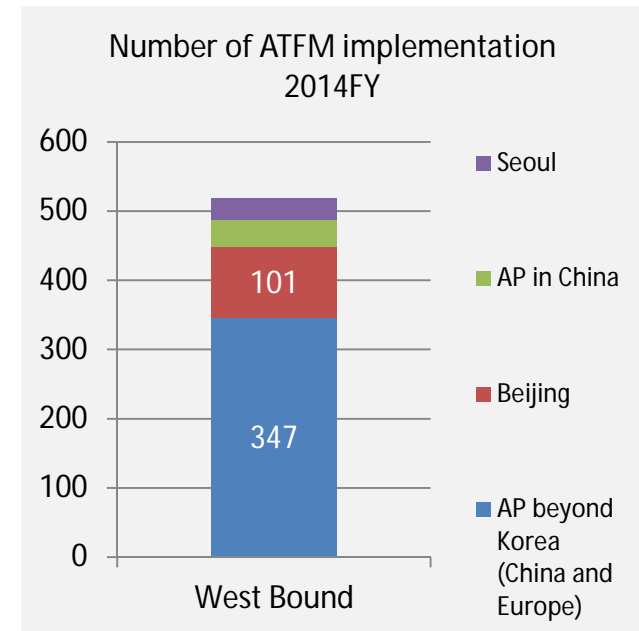
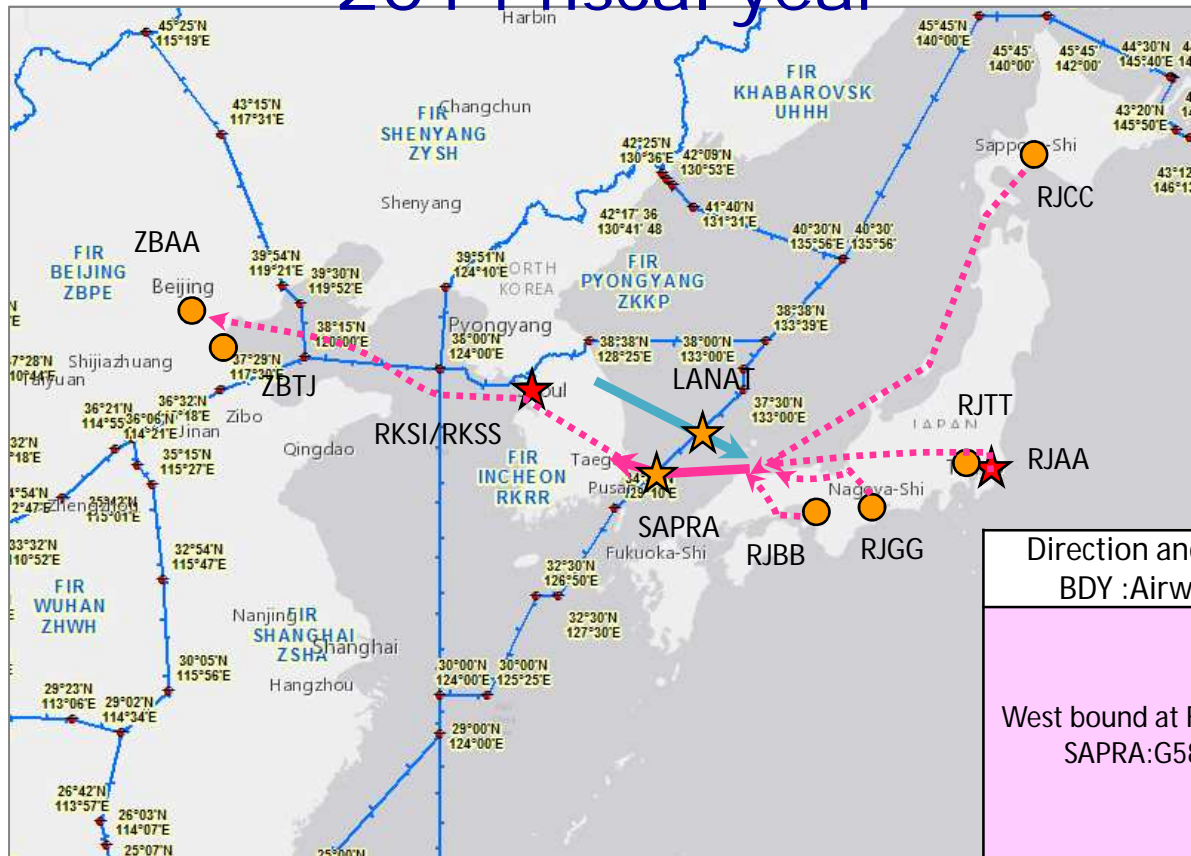


ATMC between Taipei ACC 2014 fiscal year

Direction and FIR BDY :Airway	Target	Number of ATFM implementation
West bound at FIR BDY BULAN:A1, SALMI: B576 IGURU:G581 SEDKU:R595	For RCTP (RWY construction)	341
	For RCTP (WX and other reason)	14
	For VHHH/VMMC	55
	For RPLL VTBS etc.	25
East bound at FIR BDY MOLKA :M750 IGURU :G581 BORDO :R583 SEDKU:R595	For RJAA/RJTT	5
Total		440

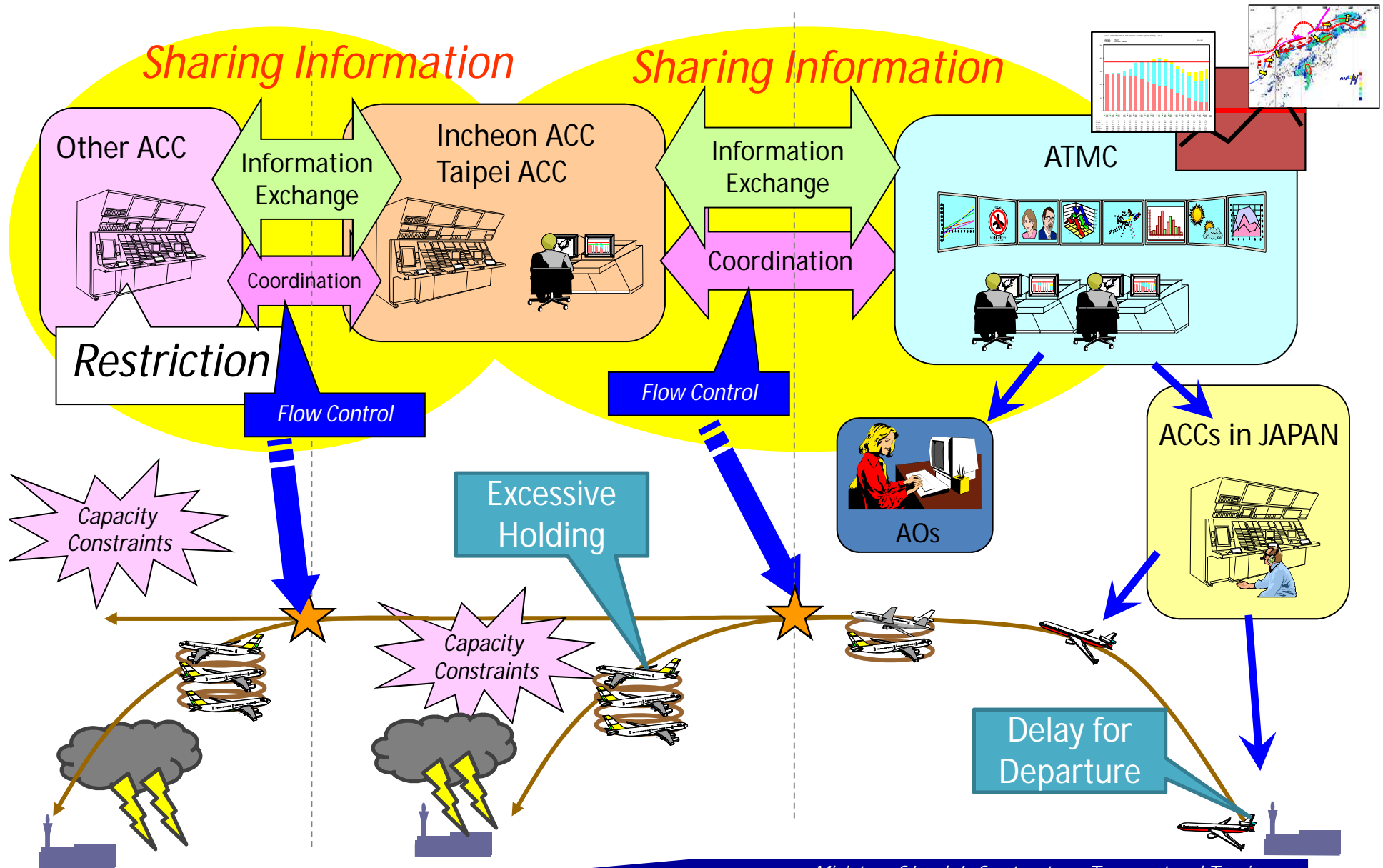


ATMC between Incheon ACC 2014 fiscal year



Direction and FIR BDY :Airway	Target	Number of ATFM implementation
West bound at FIR BDY SAPRA:G585	For RKSI/RKSS	31
	For AP beyond Korea	347
	For ZBAA	101
	For AP in China	40
East bound at FIR BDY LANAT:G597	For RJAA/RJTT	2
Total		521

The Importance of information sharing



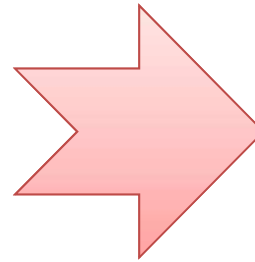
Matters desired to be provided in a possible stage

- ✓ *Capacity falls at international airports (RJAA, RJBB, RJTT, RKSI, RKSS, RCTP) caused by runway closure, severe weather, or other adverse effects.*
- ✓ *Malfunction of ATC systems, such as radar, flight data processing system (FDP), radar data processing system (RDP), or communication systems.*
- ✓ *Flow control restrictions by the adjacent facility's request on aircraft destined for other FIR.*
- ✓ *Other adverse effects on international air traffic flow*

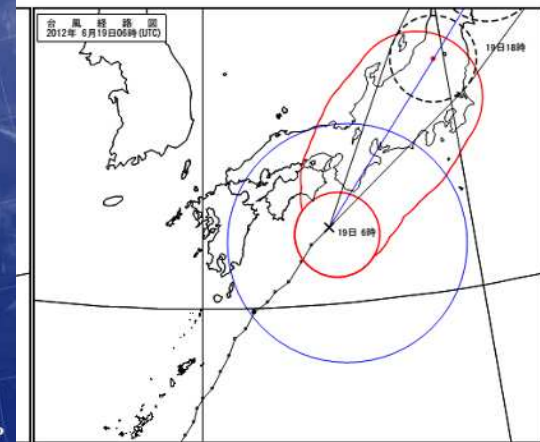
Cross – Border ATFM needs...

Weather Forecast

- ✓ How long does it continue?
- ✓ How much does it affect on air traffic?



Advance Information exchange among ANSPs



Thank you for your attention



Image illustration ATMC Operation room