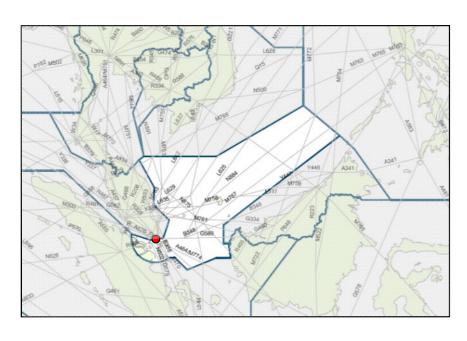
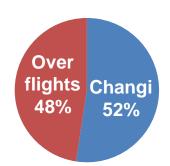


Air Traffic Management in Singapore



662,000 (2014) Total Movements Changi - 341,400



Area Control Centre
7 En-route Sector



Approach Control Centre



Air traffic control towers

- Changi
 - Seletar

Contiguous boundaries with Area Control Centres

- Bangkok
- Ho Chi Minh
- Jakarta
- Kuala Lumpur
- Kota Kinabalu
- Manila

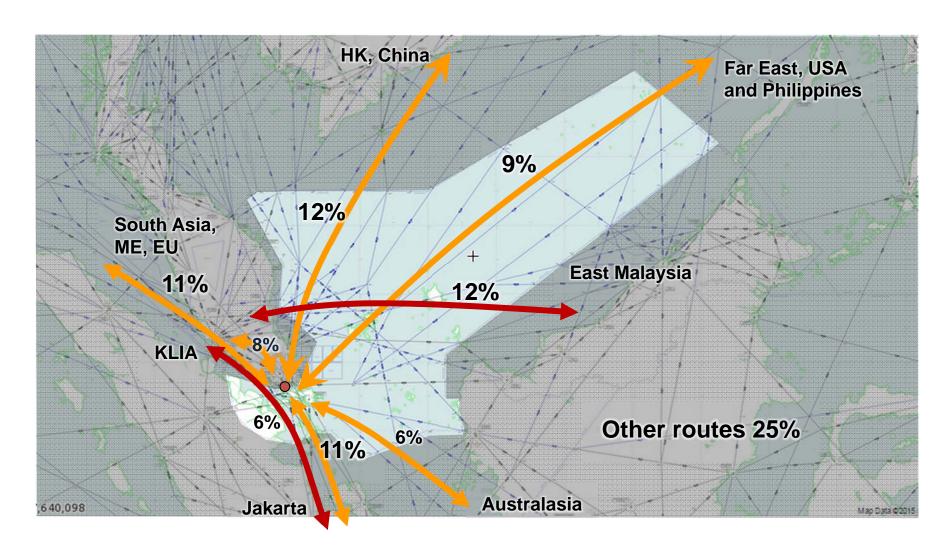
350
Air Traffic Controllers





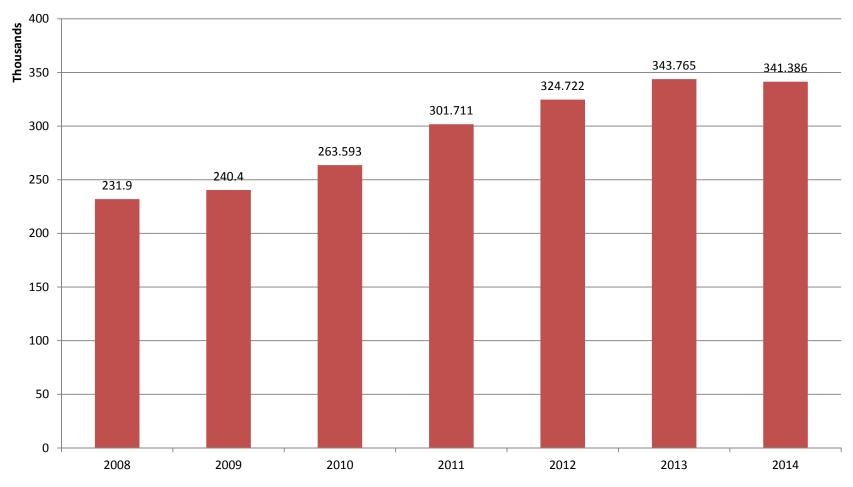


Major Traffic Flows in Singapore FIR





Air Traffic Volume at Changi



Source: Changi Airport Group through CAPA



How do we deal with these?











ATFM Around the World



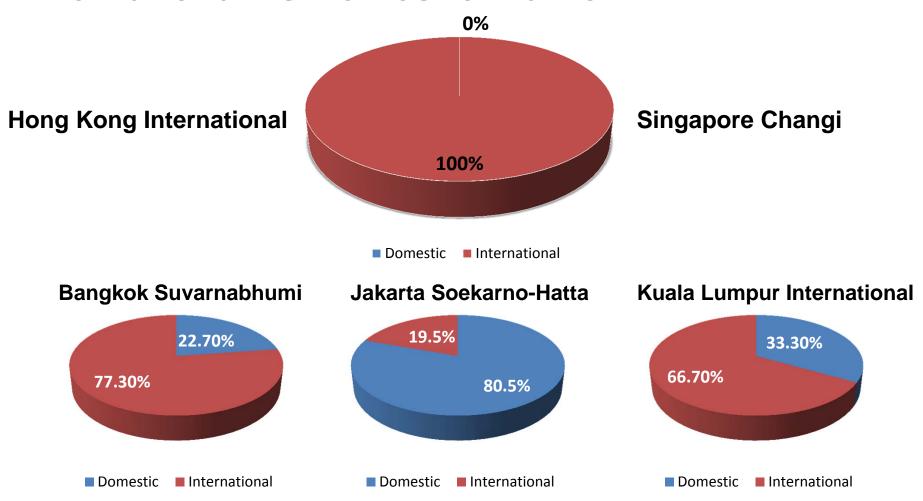








International vs Domestic Traffic





How do you balance demand and capacity?



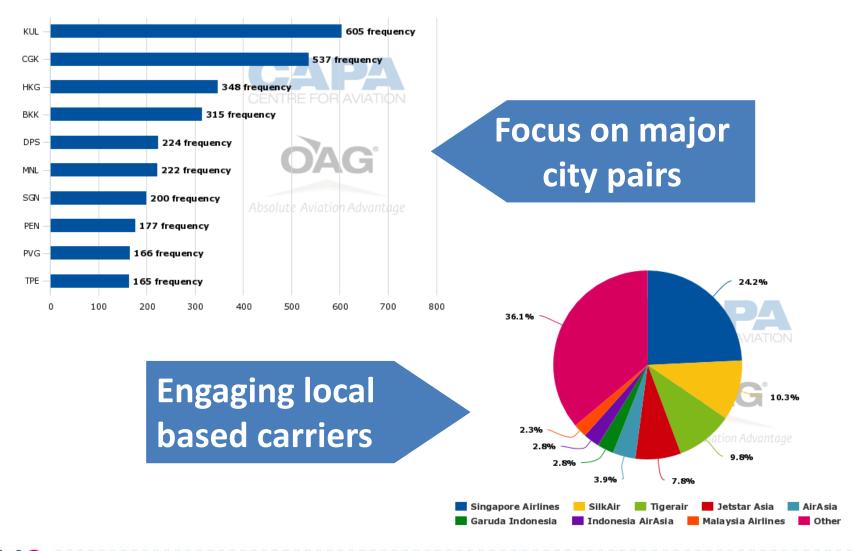


ATFM Concept for the Region





Managing International Flights at Changi





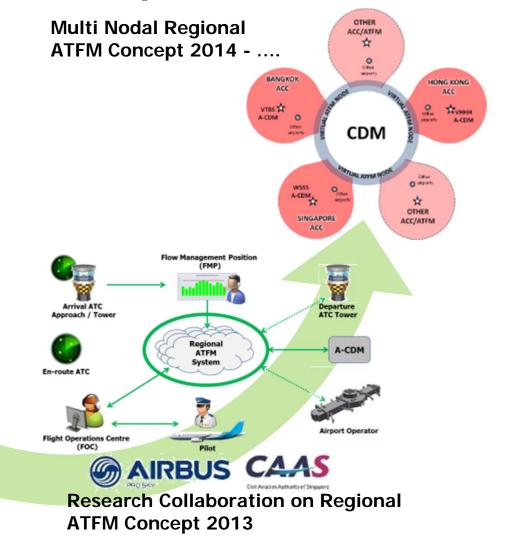
Evolution of the ATFM Concept



CANSO Whole of flight CDM Pilot Project between BKK-SIN 2011-2012



Tripartite CDM Project between BKK-HKG-SIN 2012-2013





Collaboration; Key to Cross-Border ATFM



Photo credit: NATS UK

