

ATFM & AIRPORT OPERATIONS

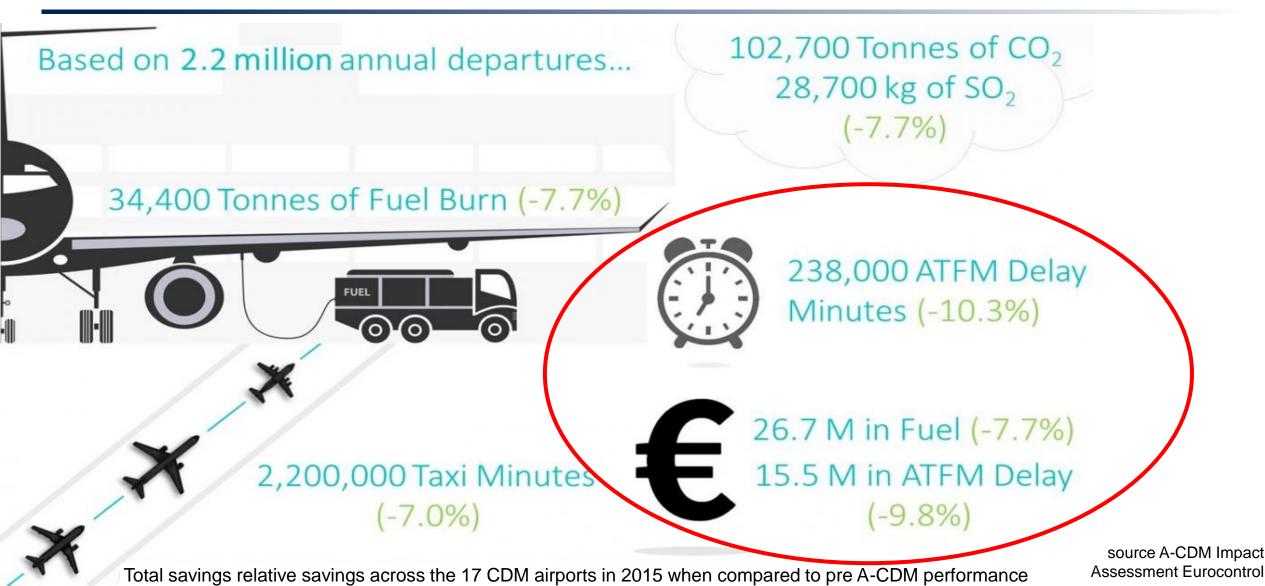
Fredrik Lindblom CDM & Efficiency Product Manager Sales Director Asia Pacific



TOPICS TO ADDRESS



EUROCONTROL BENEFITS STUDY AT 17 AIRPORTS



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A-CDM IN APAC

ICAO & A-CDM in APAC

- ICAO recommends states in APAC to implement A-CDM in accordance with the Seamless ATM Plan.
- The Plan prioritizes the implementation of the Global Air Navigation Plan Aviation System Block Upgrades (ASBUs)
- Recommended ASBU are:
 - B0-ACDM Airport CDM
 - B1-ACDM Enhanced Airport CDM
- Specific airports mentioned by ICAO are:
 - Australia (Sydney, Melbourne, Brisbane)
 - China (Beijing, Shanghai Pudong and Hong Jiao, Guangzhou, Hong Kong, Xi'an, Shenzhen, Chengdu, Kunming, Hangzhou, Chongqing, Xiamen, Wuhan, Zhengzhou, Changsha, Nanjing, Qingdao, Urumqi,Dalian, Guiyang, Tianjin, Haikou, Sanya)
 - India (New Delhi, Mumbai, Chennai, Bangalore)
 - Indonesia (Jakarta, Surabaya, Bali, Makassar)
 - Japan (Haneda, Narita, Fukuoka, Osaka, Sapporo, Naha)
 - Malaysia (Kuala Lumpur)
 - New Zealand (Auckland)
 - Philippines (Manila)
 - Republic of Korea (Incheon, Jeju, Seoul)
 - Singapore (Changi)
 - Thailand (Suvarnabhumi, Don Mueang)
 - United States (Honolulu)
 - Viet Nam (Ho Chi Minh, Hanoi)



ΈM

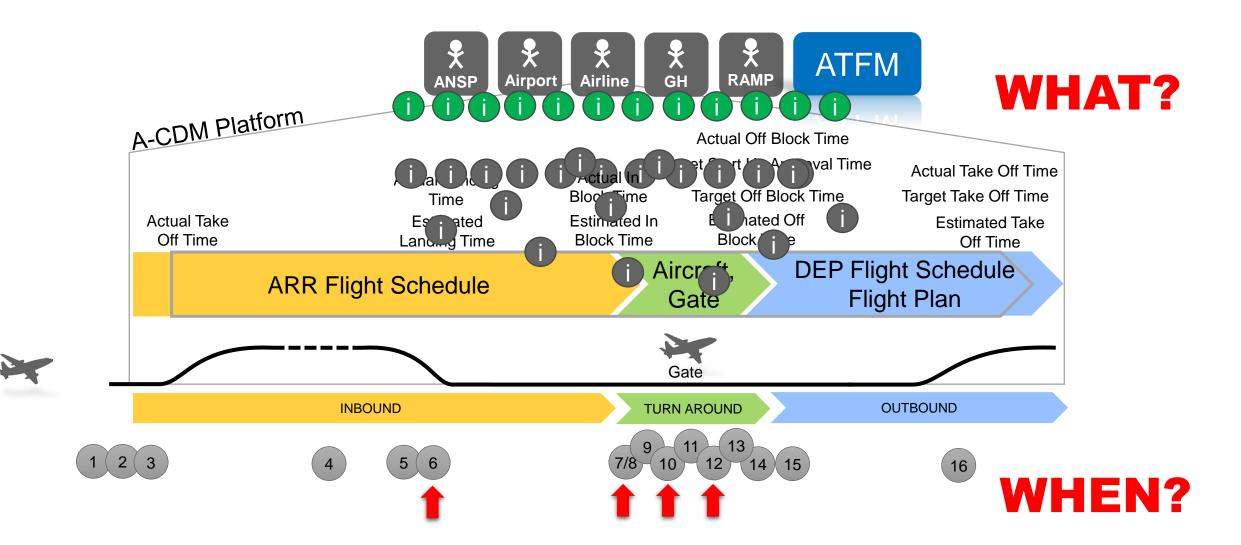
INTEGRATION WITH FLOW MANAGEMENT

ATFM Information is important to enhance the predictability in the A-CDM procedures, i.e. by using Calculated Take Off Times (CTOT).



Airport information is critical to enhance ATFM and A-CDM is generating the information that is needed

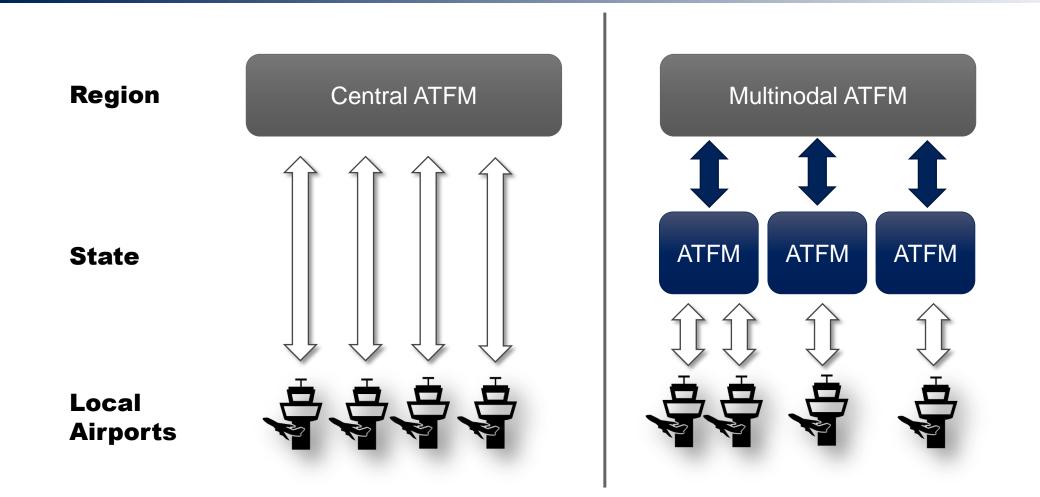
WE NEED A COMMON APPROACH...



TOPICS TO ADDRESS



HOW DO WE DO IT?

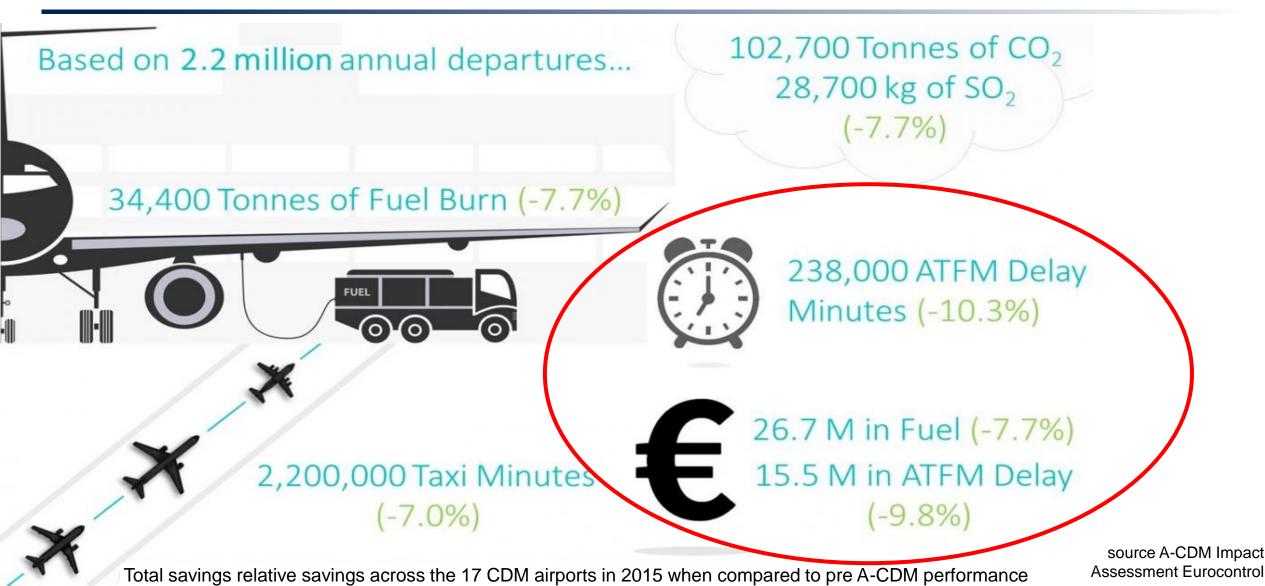


SWIM SERVICE(S) FOR A-CDM & ATFM INTEGRATION IS KEY

TOPICS TO ADDRESS



EUROCONTROL BENEFITS STUDY AT 17 AIRPORTS



QUALITY & PEROFMANCE?

- No matter what data is being shared its quality has to be ensured in order to achieve desired performance
- Today there are no common guidelines or minimum performance requirements for sharing data between ATFM and A-CDM – this will be needed!
- Common quality procedures to ensure that:
 - ✓ All A-CDM airports that connect to ATFM has established certain level of performance, e.g. in relation to TOBT, TSAT etc.
 - \checkmark AFTM is providing CTOT that are predicable and reliable.





THANK YOU FOR YOUR ATTENTION!

Fredrik Lindblom CDM & Efficiency Product Manager Sales Director Asia Pacific

