ATFM on SWIM

Amornrat Jirattigalachote
AEROTHAI
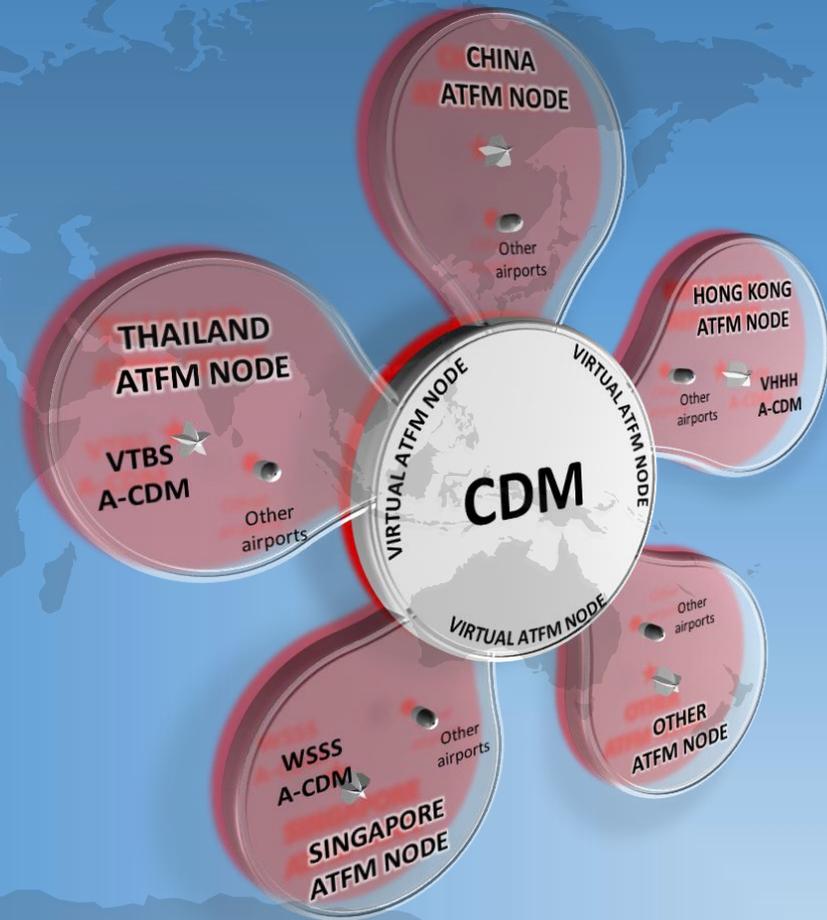
Now

MET Info

ADP

Flight Info

ATFM Measure

ARRIVAL ATFM NODE

ATS Units

AFTN

Flow Management Position (FMP)

AFTN

MET Info

ATFM Information

AFTN E-mail

DEPARTURE ATFM NODE

Airport Operator

AFTN E-mail

A-CDM

Flow Management Position (FMP)

AFTN

E-mail

Fax Phone

ATS Units

Operations Control Centre (OCC)

Pilot

DISTRIBUTED MULTI-NODAL ATFM NETWORK

CDM

SWIM
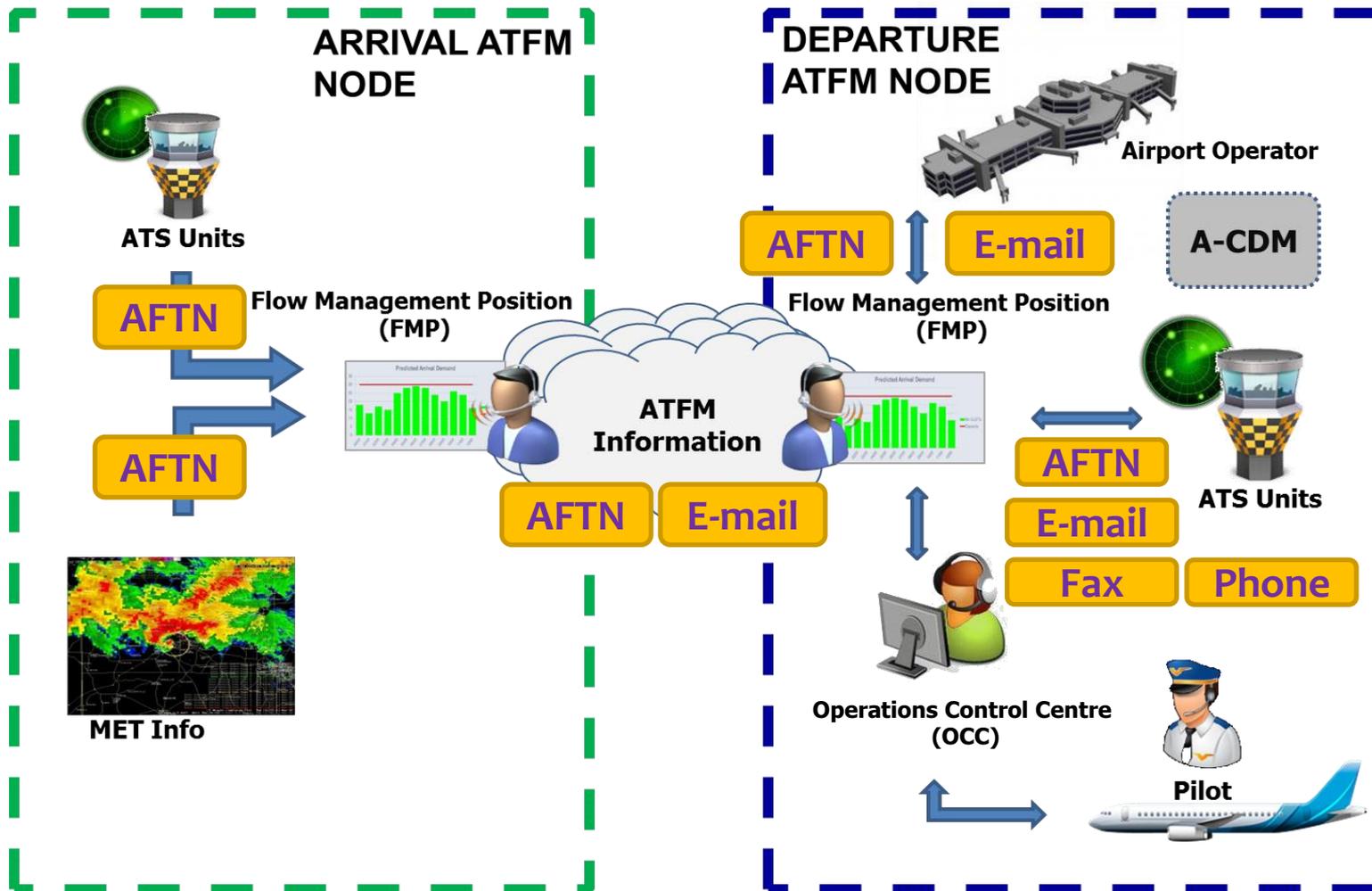
- Improved availability of quality data and information
- Improved shared situational awareness
- Improved decision making
- More flexible and cost-effective communications
- Increased system performance

- Loose system coupling
- Use of open standards
- Use of interoperable services

DISTRIBUTED MULTI-NODAL ATFM NETWORK
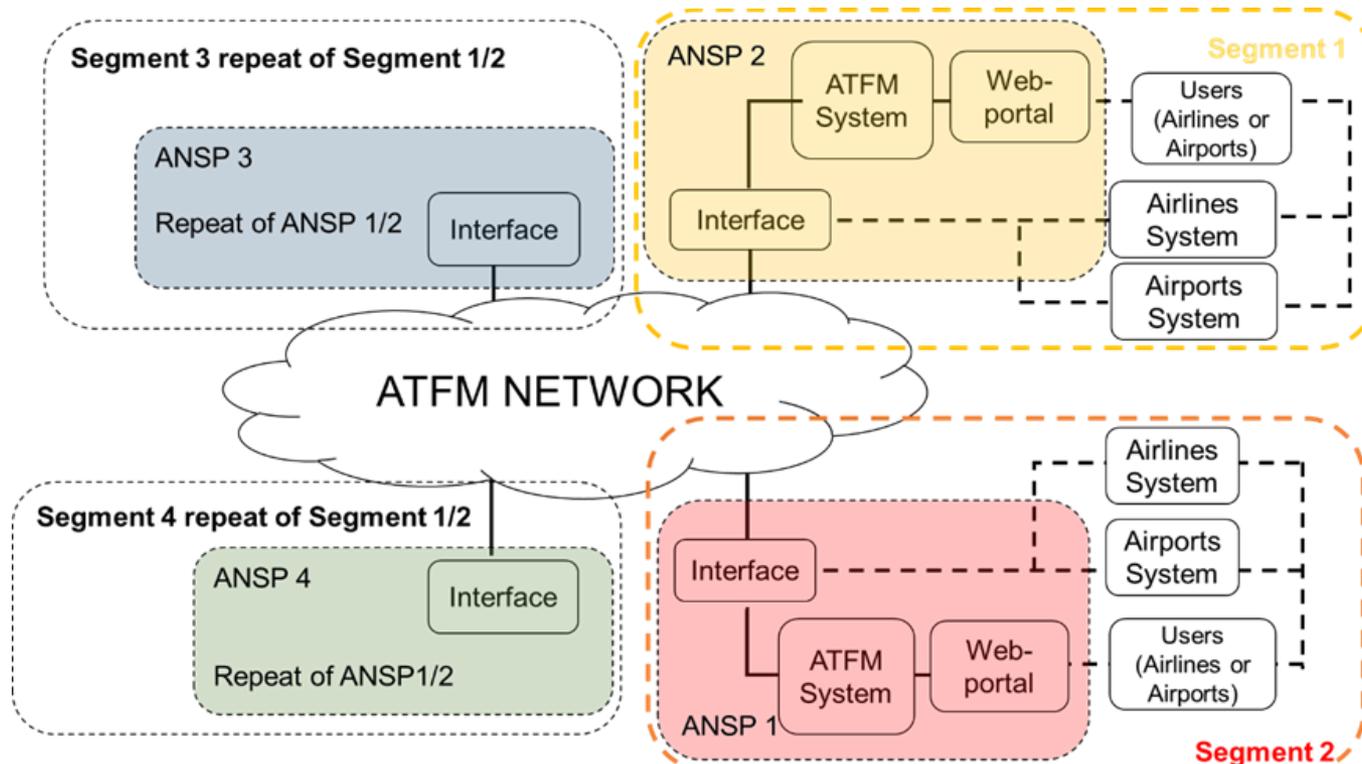
What've been done so far

- Mini Global Demonstration in 2014 and 2016
 - ➤ Flight data
  - ➤ Airborne track data ⎤ **FIXM**
  - ➤ NOTAM ⟶ **AIXM**
  - ➤ TAF ⟶ **IWXXM**
- ICAO APAC/MID Workshop on SWIM in 2016
  - ➤ Cross-border ATFM
  - ➤ International information sharing

DISTRIBUTED MULTI-NODAL ATFM NETWORK

What've been done so far

- Technical Sub-Group of Distributed Multi-Nodal ATFM Network Project
  - ➢ System-to-system connection designed based on SOA with the use of XML-based information exchange model
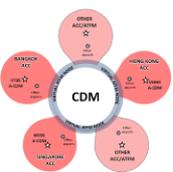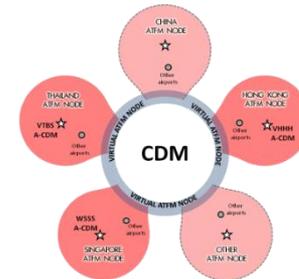
Thank You
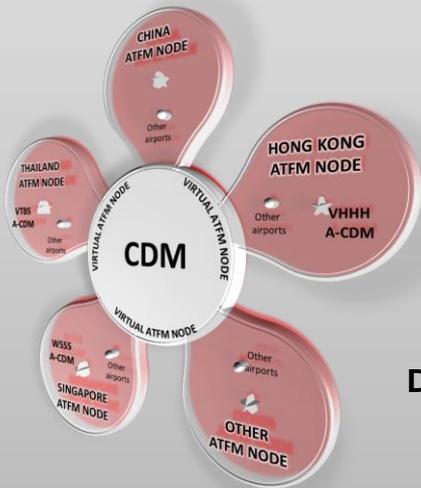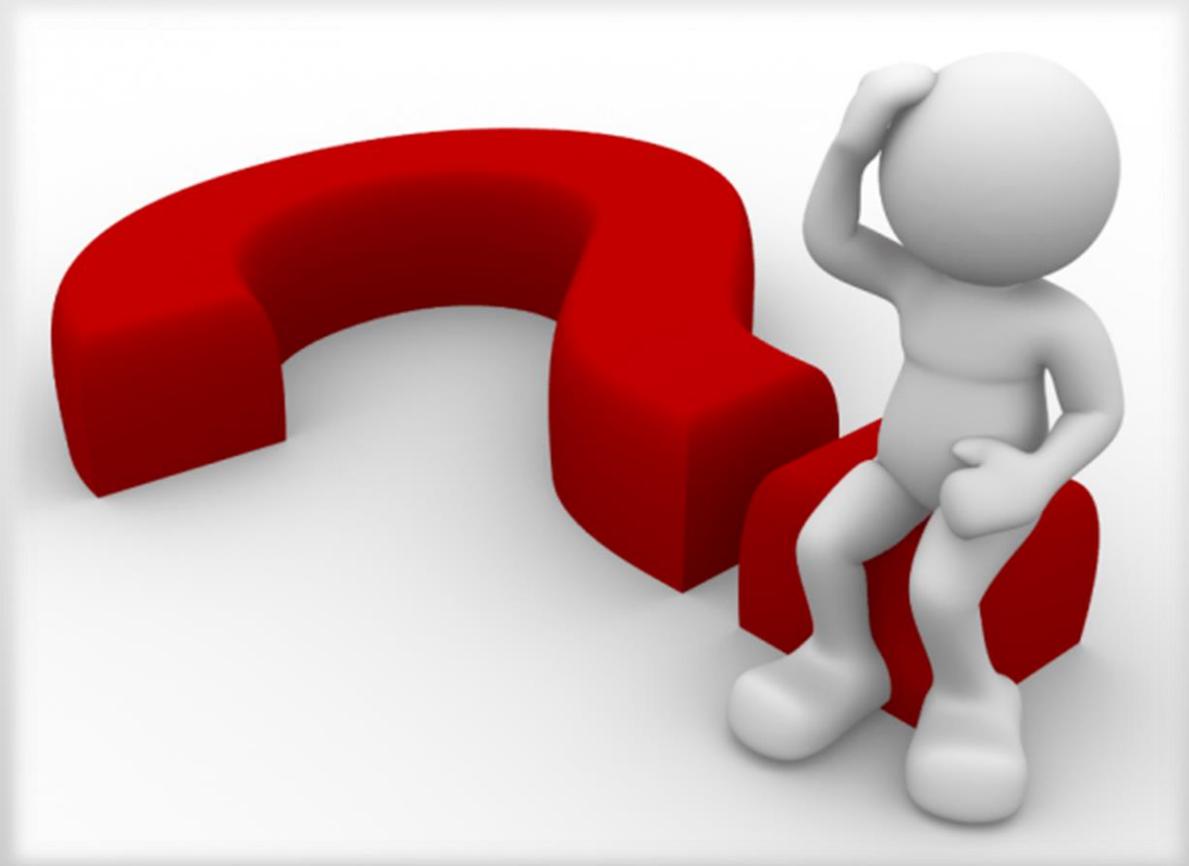
DISTRIFBUTED MULTI-NODAL AIR TRAFFIC FLOW MANAGEMENT