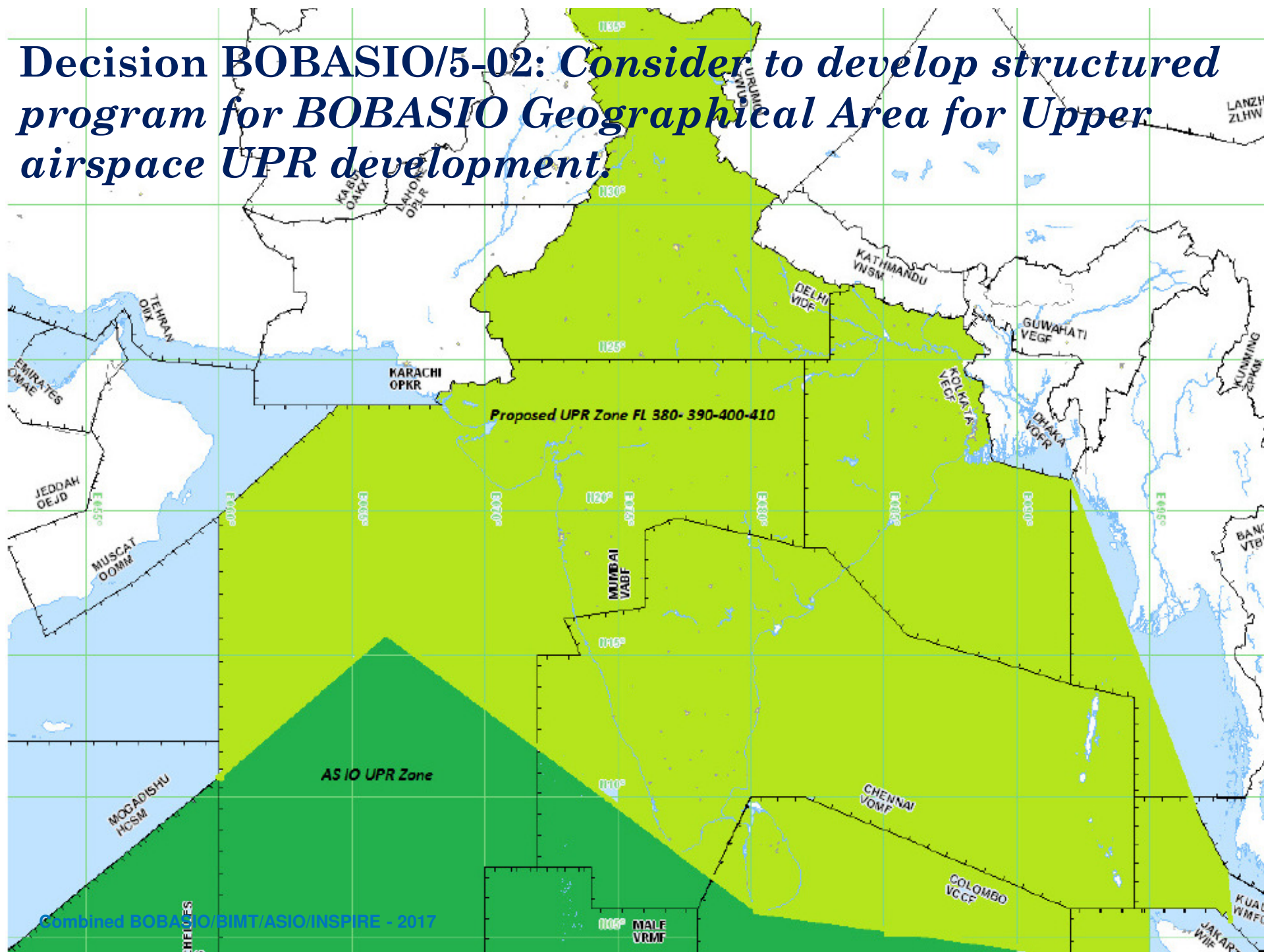


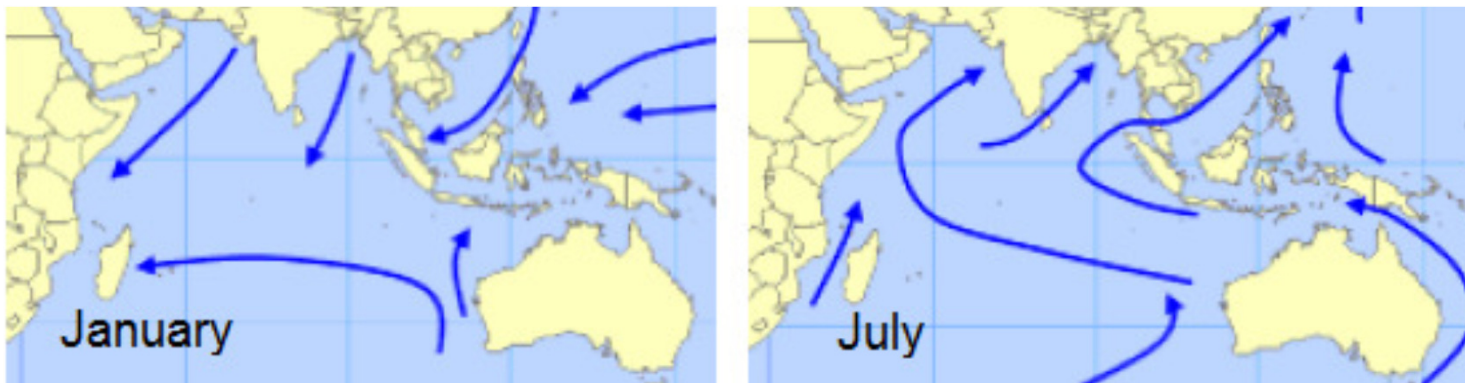


UPPER AIRSPACE UPR ZONE OVER BAY OF BENGAL – ARABIAN SEA – INDIAN CONTINENTAL & OCEANIC AIRSPACE

Decision BOBASIO/5-02: Consider to develop structured program for BOBASIO Geographical Area for Upper airspace UPR development.



UPPERWINDS PATTERNS IN BOBASIO GEOGRAPHICAL AREA:





WHAT'S THE WAY FORWARD

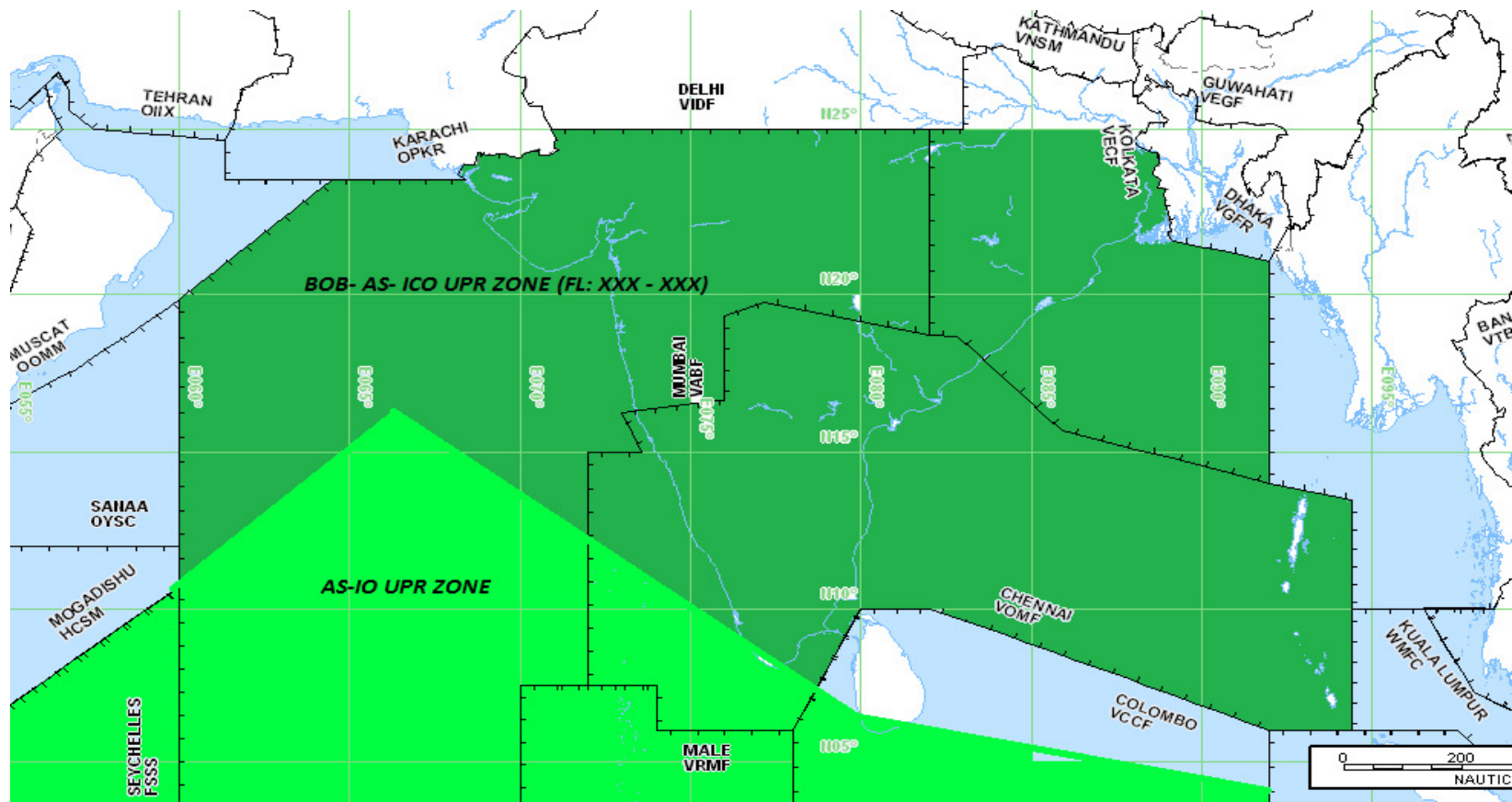
Combining:

- ATM advancements,
- Airborne equipage,
- Aircraft capabilities and performance,

Progress from fixed ATS Route structure to Dynamic UPRs.

As the Fixed ATS routes are insensitive to upper wind patterns.

BOB- AS -ICO (BAY OF BENGAL – ARABIAN SEA – INDIAN CONTINENTAL AND OCEANIC) HL UPR ZONE:





CO2 EMISSION REDUCTION

Estimated Fuel Savings and CO2 Emission reduction by extending UPRs over BOBASICO Airspace:

- a) Initial study conducted by IATA for Gulf – South East Asia indicates on an average 500Kg fuel savings (equivalent to 1.5Tons of Co2 Emission reduction) per flight is possible.
- b) The traffic analysis indicates annual potential will exceed 20,000 Tons of Fuel savings that is equivalent to 60,000Tons of CO2 Emissions.

SUMMARY

- Much can be done today
- Consider the proposal on offer
 - What can be done?
 - All the time?
 - ...Some of the time?
 - ...Few Higher FLs?
- Any saving is a benefit
- The savings are accumulative!

