

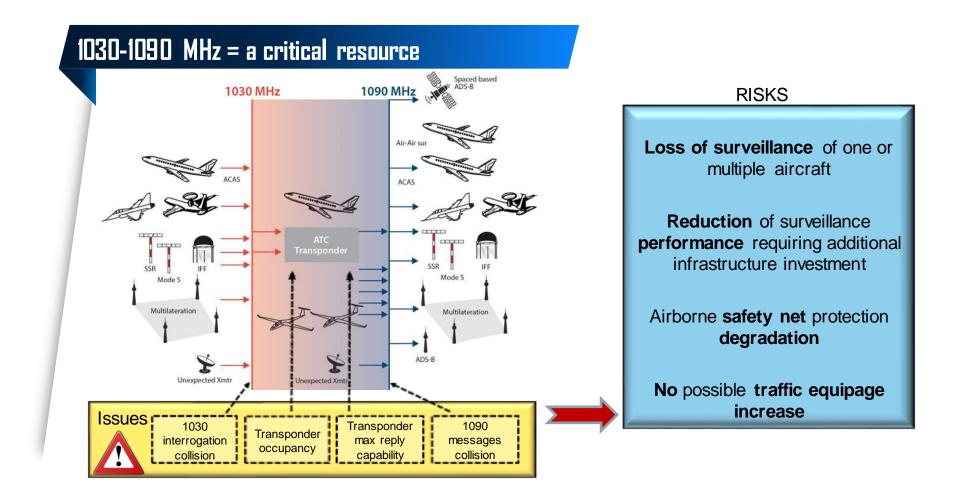






Why?

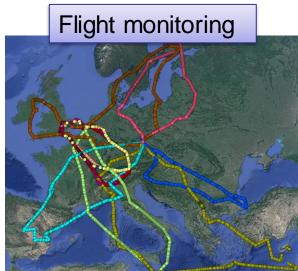




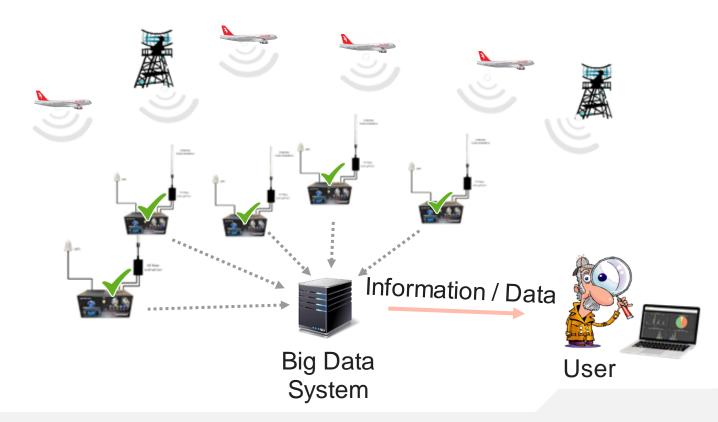
Monitoring of 1030/1090 MHz





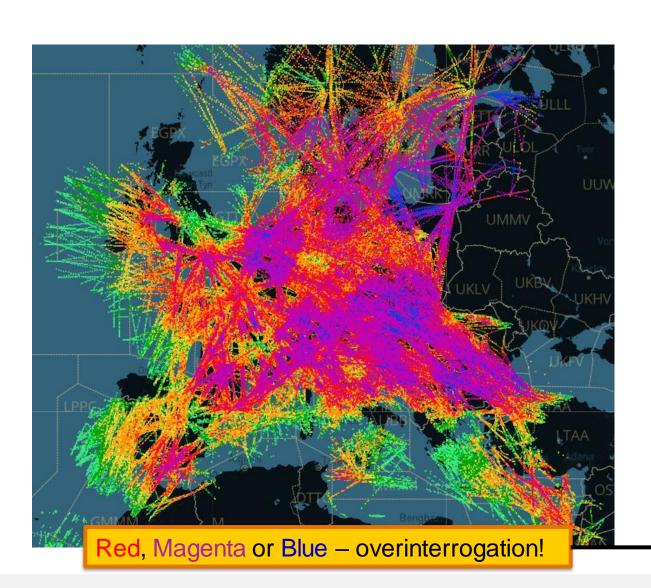


- Dual channel 1030+1090 MHz receiver
- 70 receivers installed in cooperation with local partners (e.g. ANSPs)
- Same receiver used for airborne monitoring



Mode S utilisation in Europe





Enhanced Surveillance

...is **GOOD**

- Useful aircraft parameters
- (Selected altitude, HDG, IAS, MACH, ROTD...)

...but has a **COST**

- Transponder utilisation
- RF channel occupancy

Selected altitude is extracted 4-5x each second from each aircraft in core Europe

NEED FOR ACTION

Actions



Short term

 Quick reaction and investigation of extreme events Medium term

- Good configuration of sensors
 - Guidelines
 - Mode S interrogator configuration
 - 1030 MHz management
 - Reduction of all-calls
 - Operational Excellence Programme
 - WST 14.6 Address overinterrogation in 1030/1090 bands

Long term

- System modifications
- Sensor upgrades
- Data sharing
- New types of modulation
- •

OEP work with operators including military

Improvement of the 1030/1090 MHz utilisation is possible while maintaining the performance and support to operations We can MEASURE this improvement!



SUPPORTING EUROPEAN AVIATION

