

Supporting  
European  
Aviation



# The impact assessment due to possible closure of the Persian Gulf and the Gulf of Oman areas

Ad-Hoc SCC



# Agenda

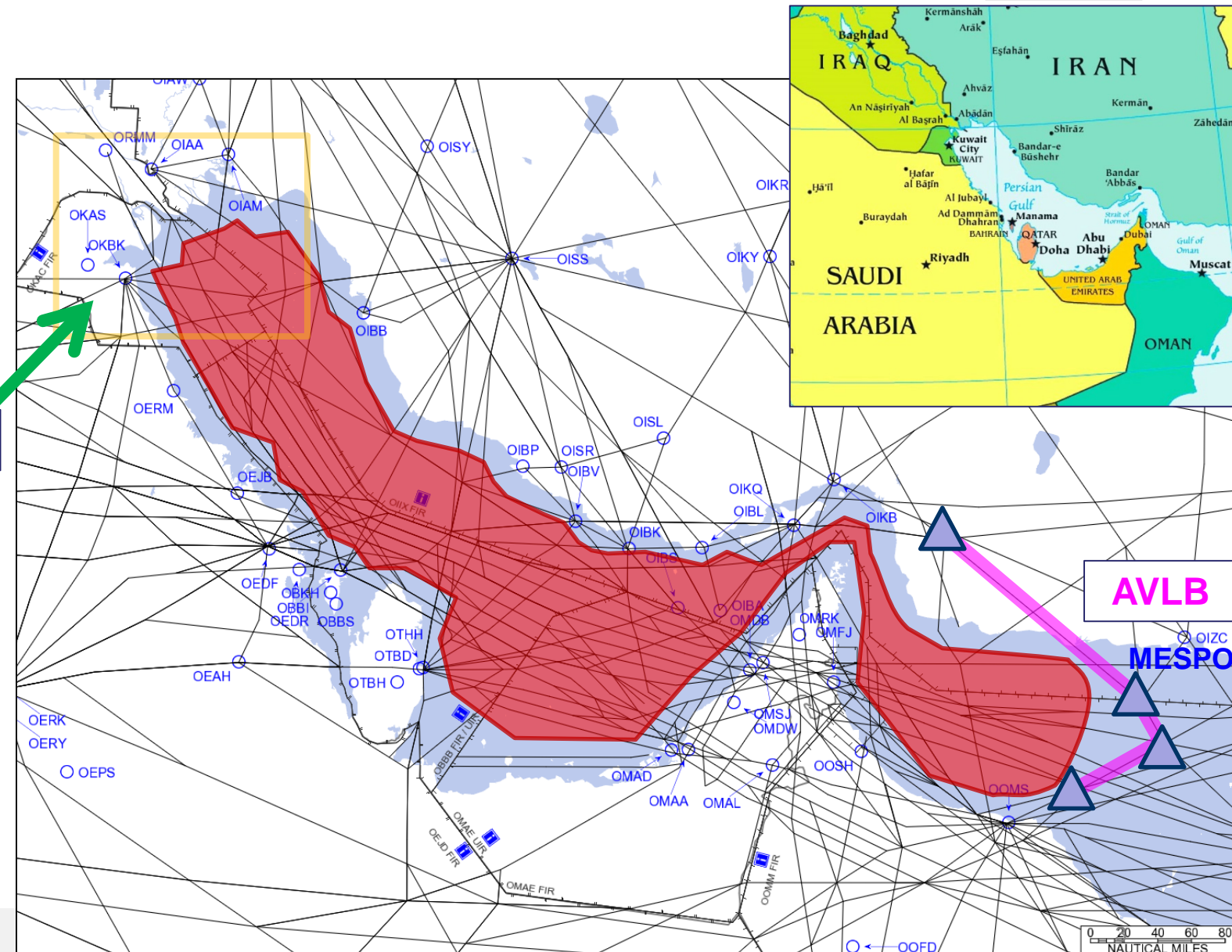
- NM impact assessment
- AO intentions and other information gathering
- ANSP readiness
- Measures in case the threat materialises (e.g. accelerated process for RAD suspensions)

# Scenario 1 with closure (assigned on the shortest route)

## Closures:

1. THE PERSIAN GULF and
2. THE GULF OF OMAN

**NOT AVLB**

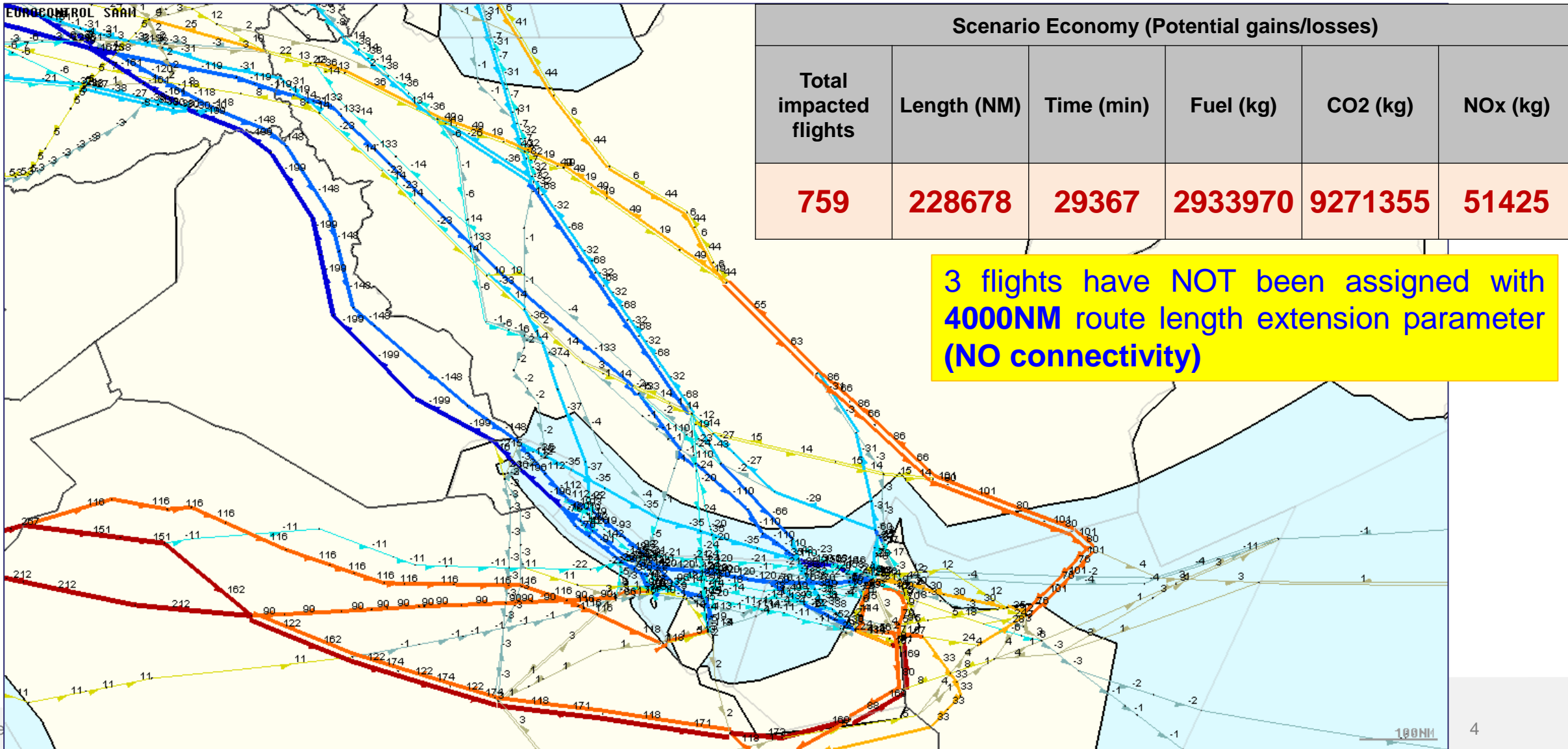


**AVLB**

**MESPO**

# Scenario 1 with closure

## Comparison Iranian TOS partially removed

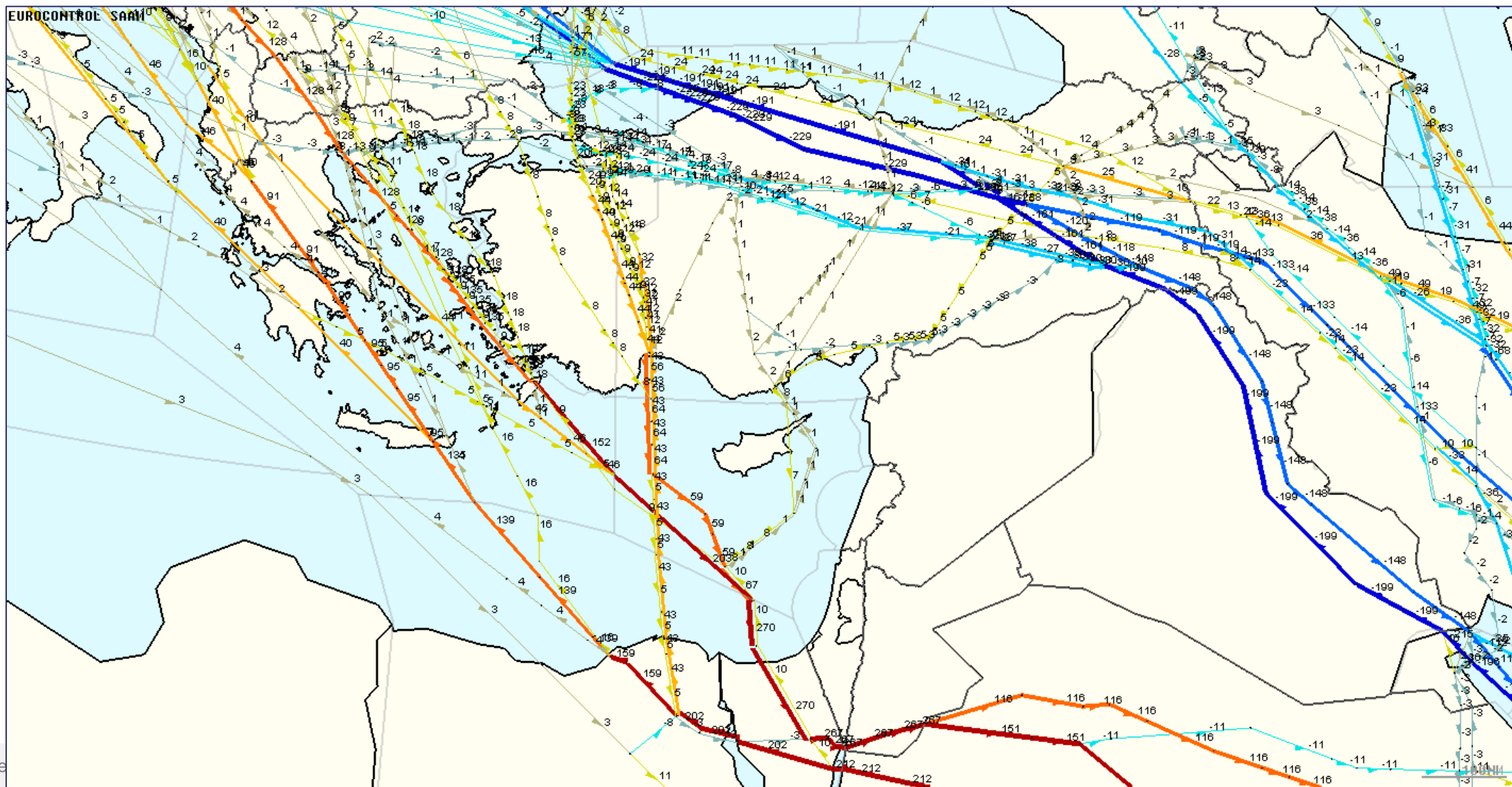


Scenario Economy (Potential gains/losses)					
Total impacted flights	Length (NM)	Time (min)	Fuel (kg)	CO2 (kg)	NOx (kg)
<b>759</b>	<b>228678</b>	<b>29367</b>	<b>2933970</b>	<b>9271355</b>	<b>51425</b>

3 flights have NOT been assigned with 4000NM route length extension parameter (NO connectivity)

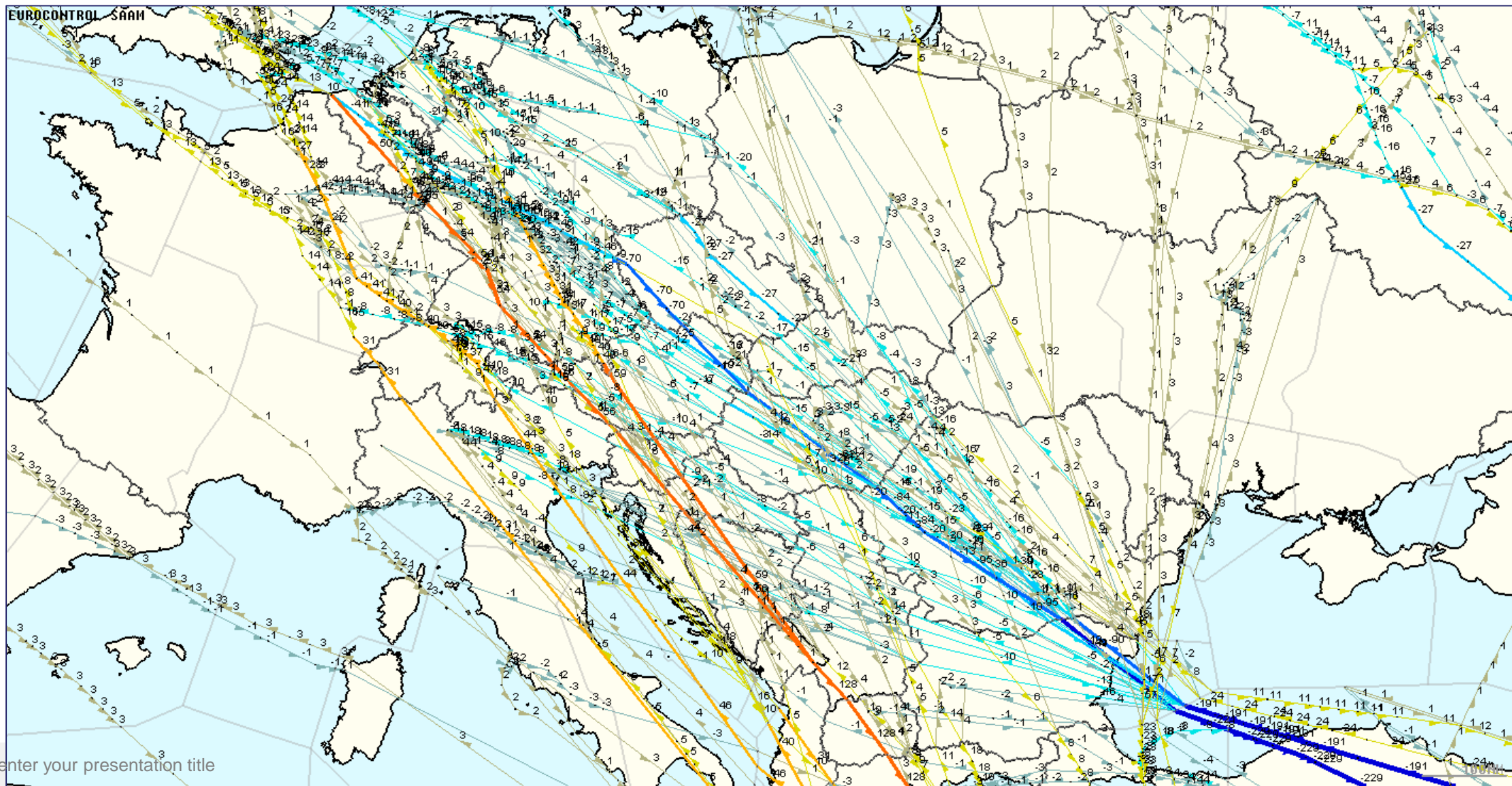
# Scenario 1 with closure

## Comparison





# Scenario 1 with closure Comparison



## Scenario 2 with closure (assigned on the shortest route)

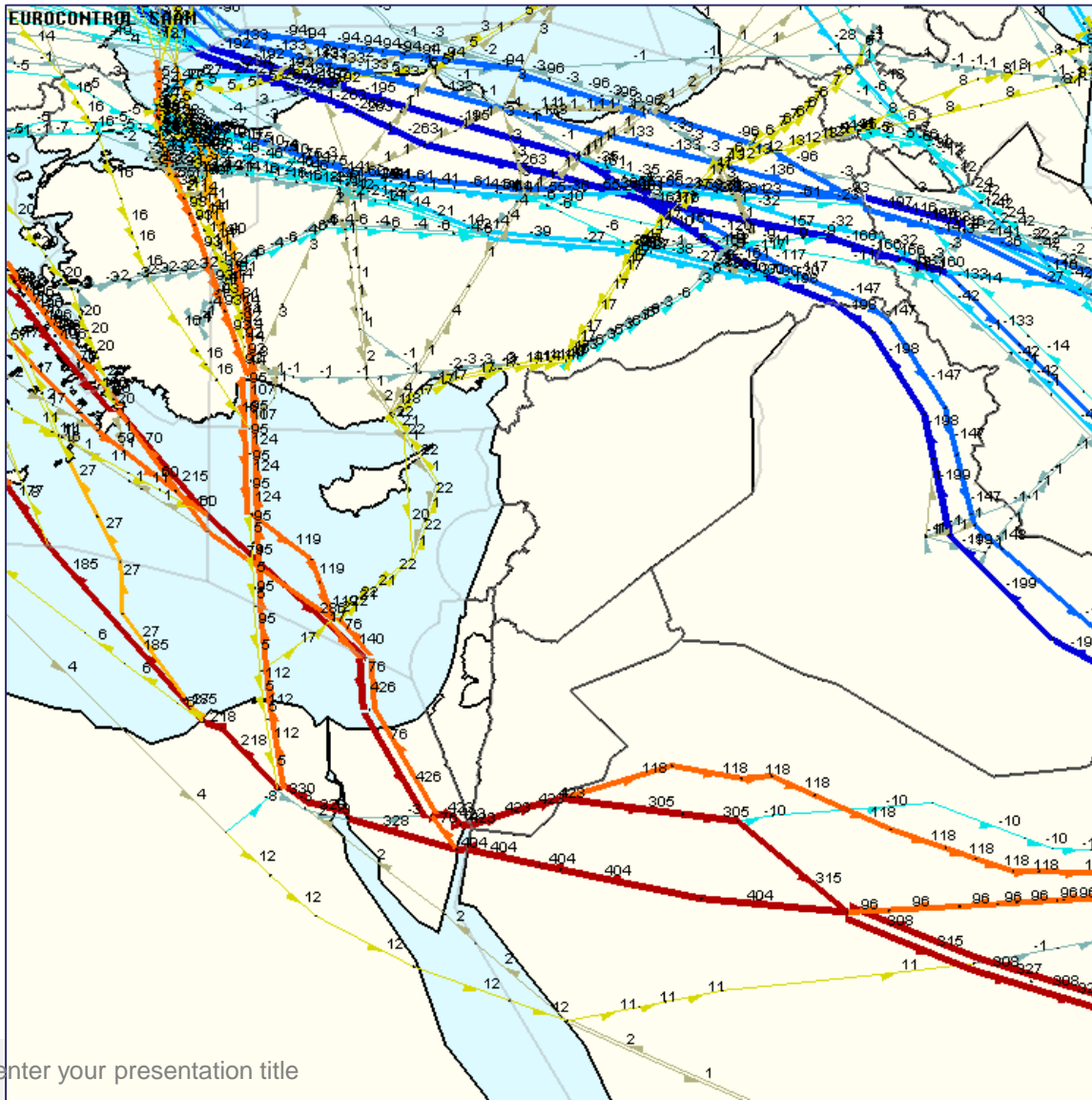
### Closures:

1. THE PERSIAN GULF and ;
2. THE GULF OF OMAN;
3. IRAN closed for all flights.



# Scenario 2 with closure

## Comparison



Scenario Economy (Potential gains/losses)

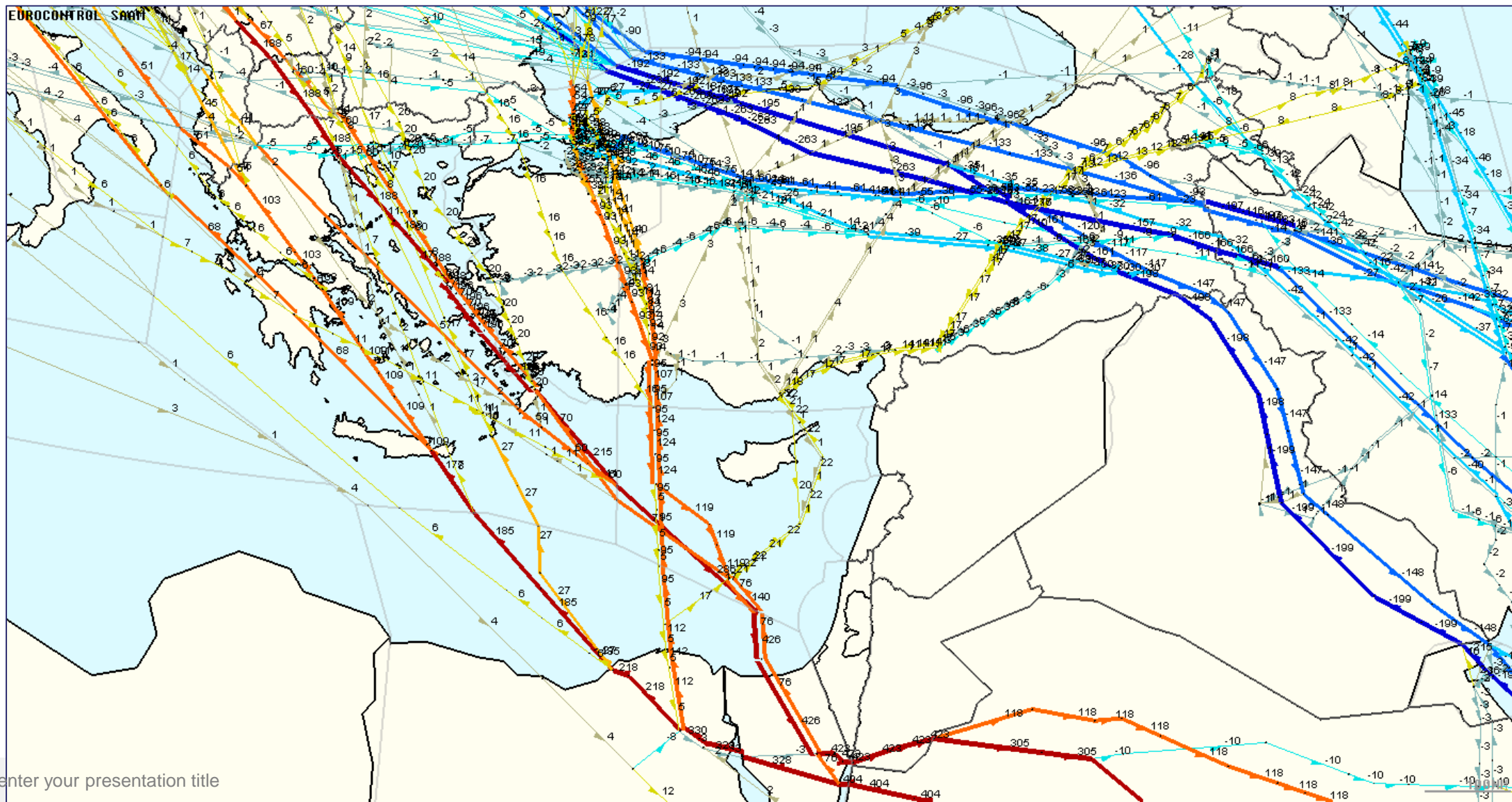
Total impacted flights	Length (NM)	Time (min)	Fuel (kg)	CO2 (kg)	NOx (kg)
<b>1045</b>	<b>371552</b>	<b>47725</b>	<b>4429437</b>	<b>13997049</b>	<b>77532</b>

95 flights have NOT been assigned with 5000NM route length extension parameter Including flights to/from Iran (92 flights)... **(NO connectivity)**



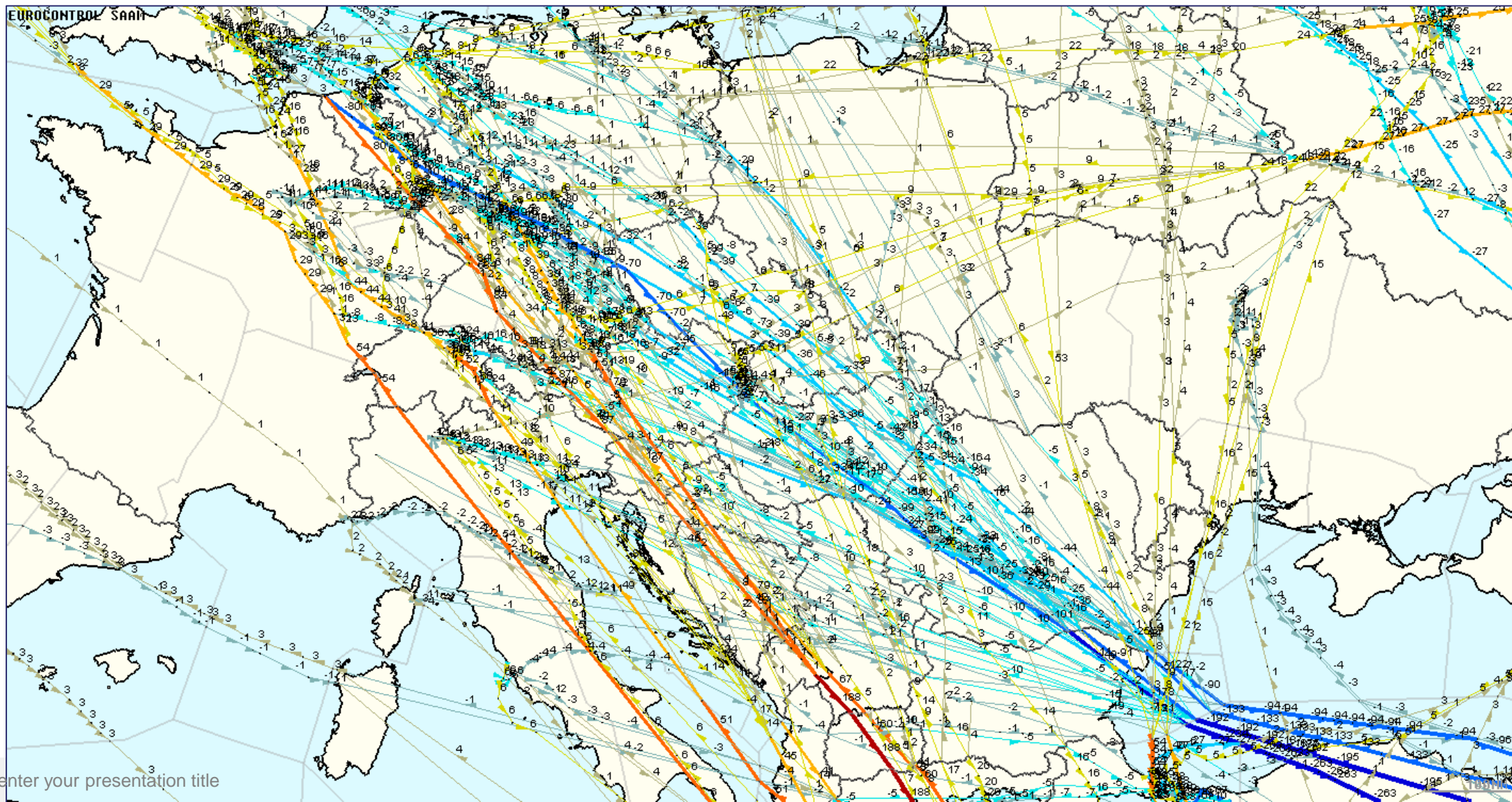
# Scenario 2 with closure

## Comparison








# Scenario 2 with closure

## Comparison

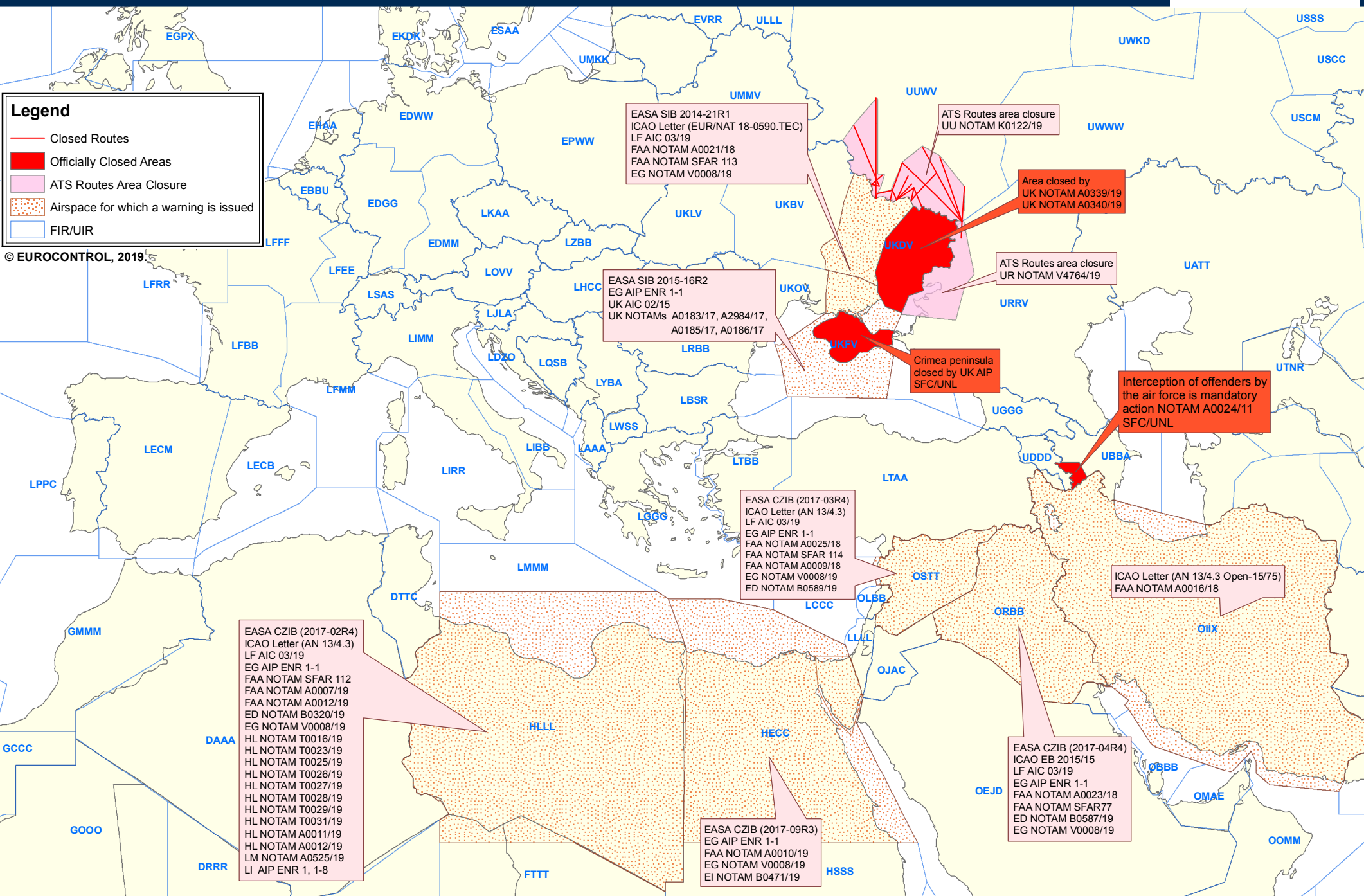




**Legend**

-  Closed Routes
-  Officially Closed Areas
-  ATS Routes Area Closure
-  Airspace for which a warning is issued
-  FIR/UIR

© EUROCONTROL, 2019



EASA SIB 2014-21R1  
ICAO Letter (EUR/NAT 18-0590.TEC)  
LF AIC 03/19  
FAA NOTAM A0021/18  
FAA NOTAM SFAR 113  
EG NOTAM V0008/19

ATS Routes area closure  
UU NOTAM K0122/19

Area closed by  
UK NOTAM A0339/19  
UK NOTAM A0340/19

ATS Routes area closure  
UR NOTAM V4764/19

EASA SIB 2015-16R2  
EG AIP ENR 1-1  
UK AIC 02/15  
UK NOTAMs A0183/17, A2984/17,  
A0185/17, A0186/17

Crimea peninsula  
closed by UK AIP  
SFC/UNL

Interception of offenders by  
the air force is mandatory  
action NOTAM A0024/11  
SFC/UNL

EASA CZIB (2017-03R4)  
ICAO Letter (AN 13/4.3)  
LF AIC 03/19  
EG AIP ENR 1-1  
FAA NOTAM A0025/18  
FAA NOTAM SFAR 114  
FAA NOTAM A0009/18  
EG NOTAM V0008/19  
ED NOTAM B0589/19

ICAO Letter (AN 13/4.3 Open-15/75)  
FAA NOTAM A0016/18

EASA CZIB (2017-02R4)  
ICAO Letter (AN 13/4.3)  
LF AIC 03/19  
EG AIP ENR 1-1  
FAA NOTAM SFAR 112  
FAA NOTAM A0007/19  
FAA NOTAM A0012/19  
ED NOTAM B0320/19  
EG NOTAM V0008/19  
HL NOTAM T0016/19  
HL NOTAM T0023/19  
HL NOTAM T0025/19  
HL NOTAM T0026/19  
HL NOTAM T0027/19  
HL NOTAM T0028/19  
HL NOTAM T0029/19  
HL NOTAM T0031/19  
HL NOTAM A0011/19  
HL NOTAM A0012/19  
LM NOTAM A0525/19  
LI AIP ENR 1, 1-8

EASA CZIB (2017-09R3)  
EG AIP ENR 1-1  
FAA NOTAM A0010/19  
EG NOTAM V0008/19  
EI NOTAM B0471/19

EASA CZIB (2017-04R4)  
ICAO EB 2015/15  
LF AIC 03/19  
EG AIP ENR 1-1  
FAA NOTAM A0023/18  
FAA NOTAM SFAR 77  
ED NOTAM B0587/19  
EG NOTAM V0008/19