



AEFMP

a long-lasting inter-regional cooperation for
ASBU implementation in Western Mediterranean

ACAO-ICAO EUR/NAT and MID ASBU Symposium
(Marrakech, Morocco, 10-13 December 2018)

<http://aefmp-atm.org/>

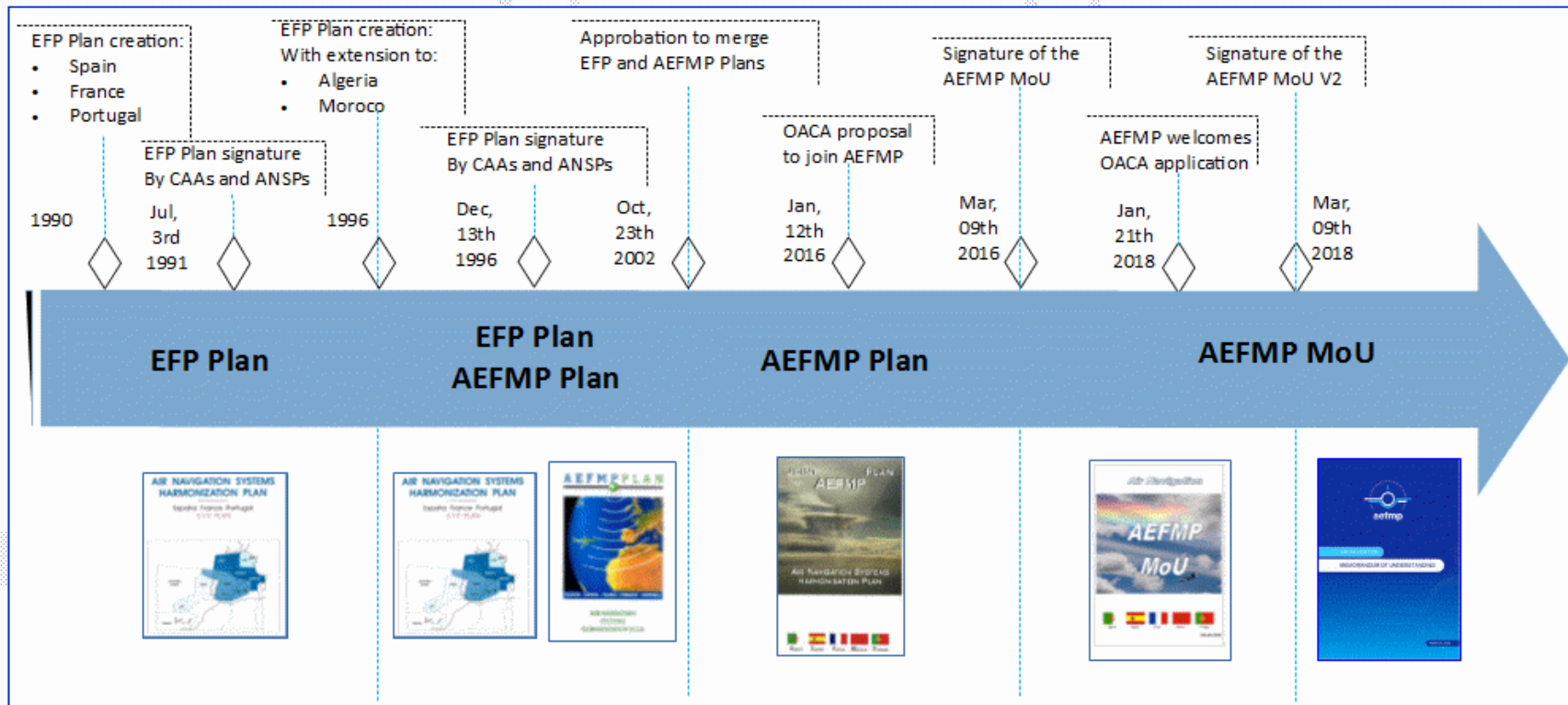




**AEFMP, a long lasting
inter-regional cooperation ...**



Our history



Successive working arrangements between up to six Western Mediterranean ANSPs today, supported by CAAs



Organisational Structure



Steering Committee (SC, CEO level) :

- Guidelines provision to WG
 - Once a year
 - Chairmanship rotating yearly



Working Group (WG)

- Coordination of actions
 - Twice a year
 - Chairmanship rotating yearly



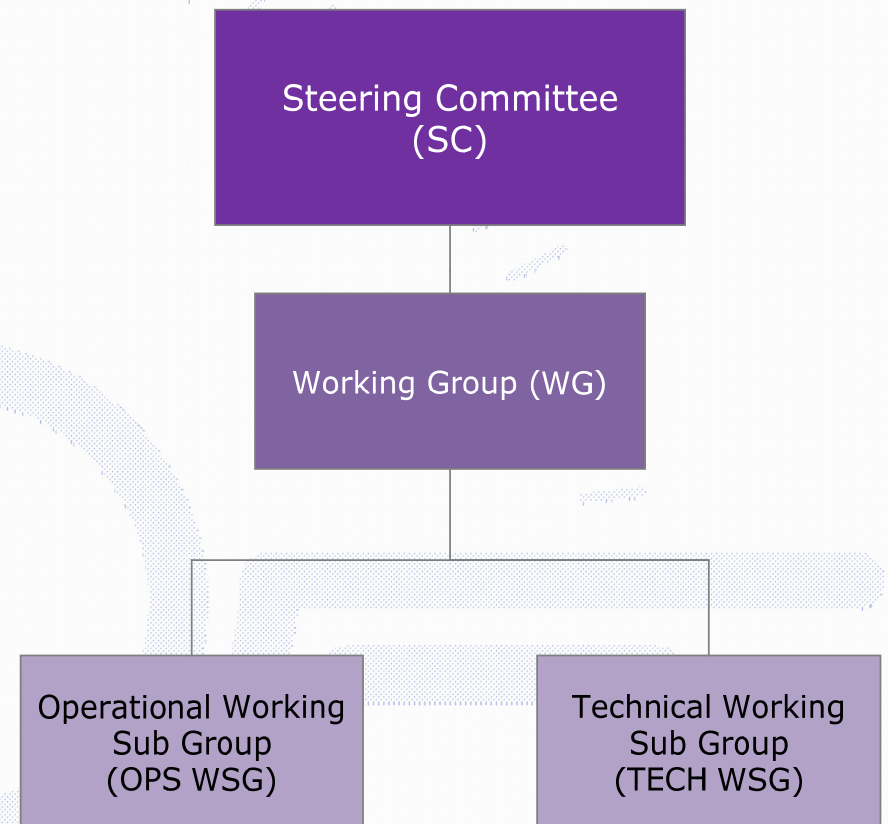
Working Subgroups :

- Operational (OPS WSG)
 - Once or twice a year
- Technical (TECH WSG)
 - Twice a year



Task Forces, Experts groups & workshops

- ANS telecom TF
- ATS Ground Voice Network TF
- IP implementationTF
- Performance EG
- GNSS Workshop & EG
- ...



External cooperation



EC



EUROMED aviation

- AEFMP activities converges with EUROMED [RTAP](#) (Regional Transport Action Plan)
- EUROMED phase I (2005-2009):
 - Collaboration with EUROMED in the framework of MEDUSA program
 - Radar training financing accepted for Algeria and Morocco (2011)
- EUROMED phase II (2010-2015):
 - Workshop on AEFMP experience on “Technical arrangements for data exchanges within AEFMP” (MoC) for Euromed countries: (2014)
 - COM-DATA training financing accepted for Algeria and Morocco (2014)



ESSP



Support to GNSS workshop for AEFMP ANSPs (organised by DSNA and hosted by ENAC Toulouse) (06/2018)



External cooperation



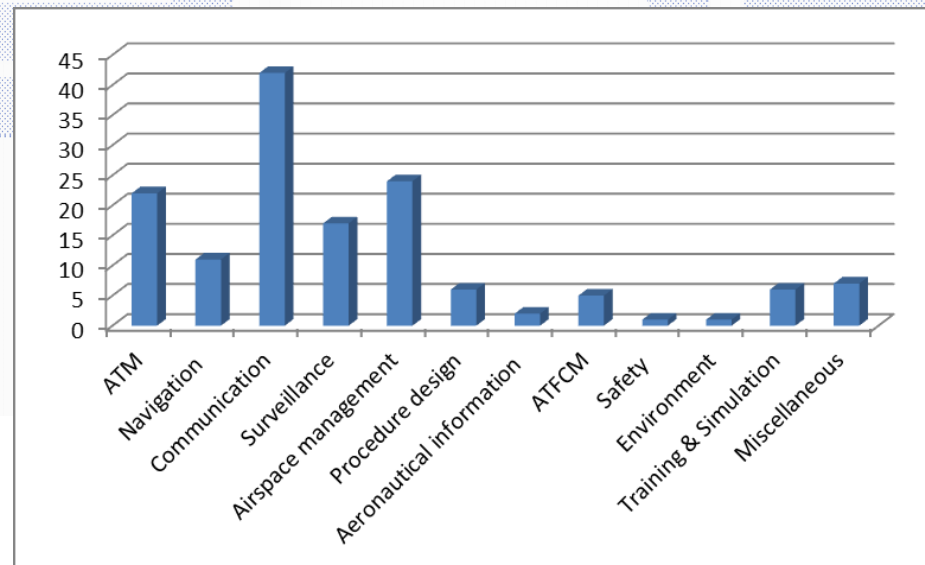
A study was conducted by AEFMP for GTMO5+5 (Groupe des Ministres des Transports de la Méditerranée Occidentale) in 2015-2016

- “Status of cooperation between Air Navigation Service providers in Western Mediterranean”
 - 12 domains of interest selected
 - 144 cooperation actions, realized to potential, were identified between 5+5 countries
 - The study gave a better view of the room for improvement within AEFMP area in view of optimizing potential external support

5+5:

Portugal
Spain
France
Italy
Malta

Lybia
Tunisia
Algeria
Mauritania
Morocco





... in Western
Mediterranean ...

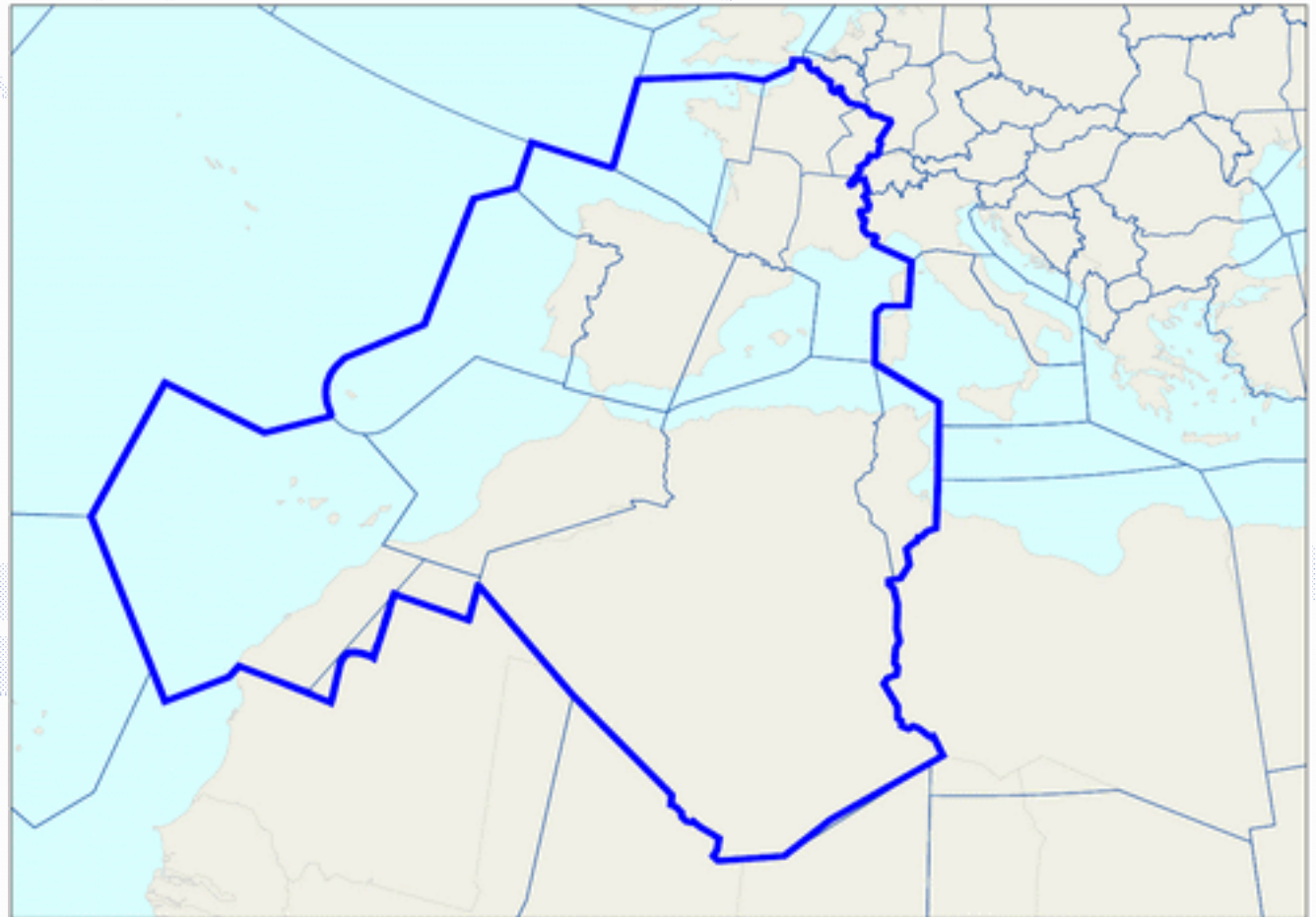


AEFMP airspace coverage



FIR and UIR :

- Algeria:
ENNA
- Spain:
ENAIRE
- France
DSNA
- Morocco
ONDA
- Portugal
NAV
- Tunisia
OACA



AEFMP area: Air traffic density



A significant and increasing traffic

Airports representation

Mouv_2015

- 1 - 14999
- 15000 - 58929
- 58930 - 140764
- 140765 - 303197
- 303198 - 592762

Flows representation

flow mov 2015 003simplified

- 2101 - 47072
- 1001 - 2100
- 401 - 1000
- 166 - 400
- 1 - 165



2002

AEFMP area: Air traffic density

A significant and increasing traffic



Airports representation

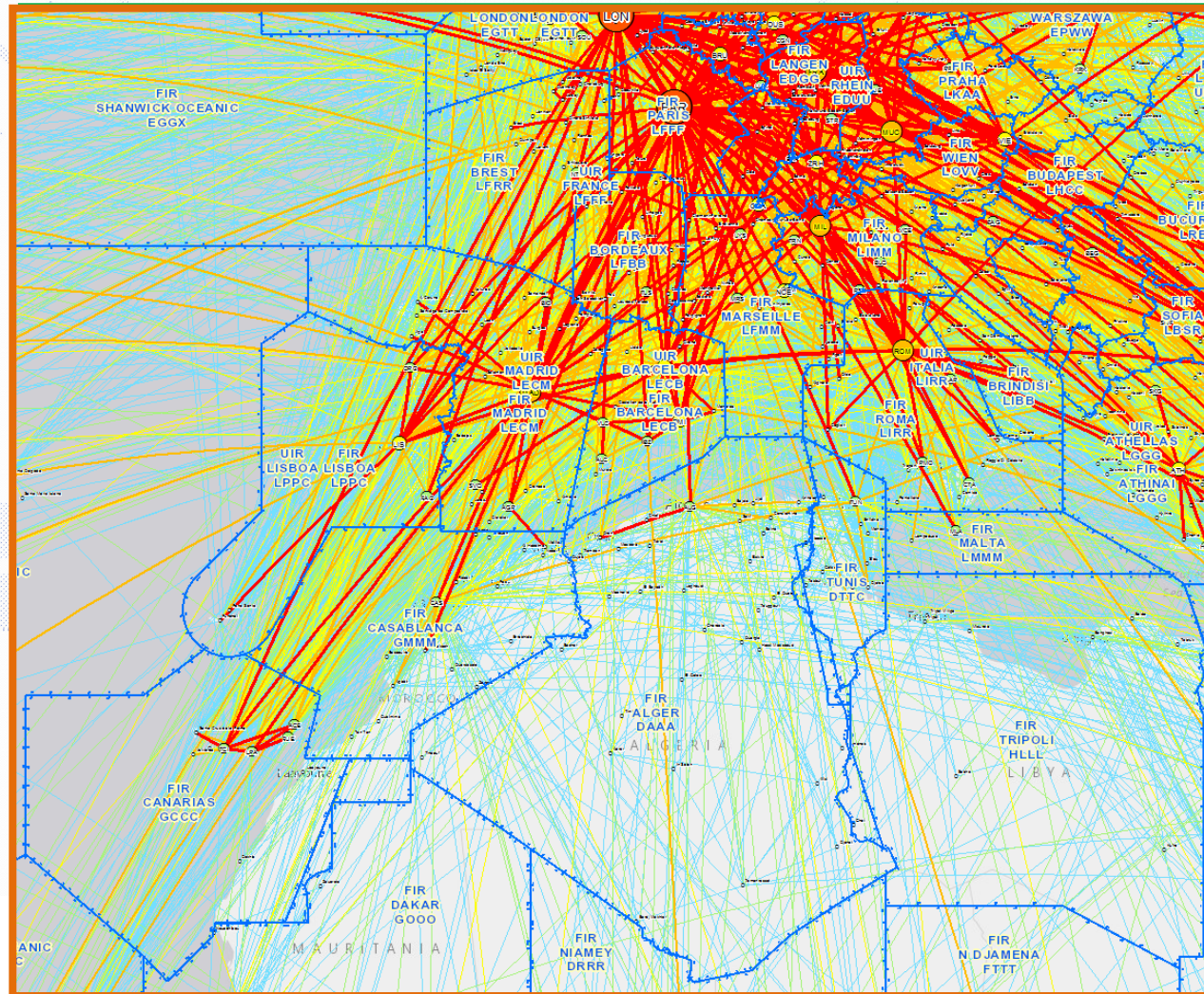
Mouv_2015

- 1 - 14999
- 15000 - 58929
- 58930 - 140764
- 140765 - 303197
- 303198 - 592762

Flows representation

flow mov 2015 003simplified

- 2101 - 47072
- 1001 - 2100
- 401 - 1000
- 166 - 400
- 1 - 165



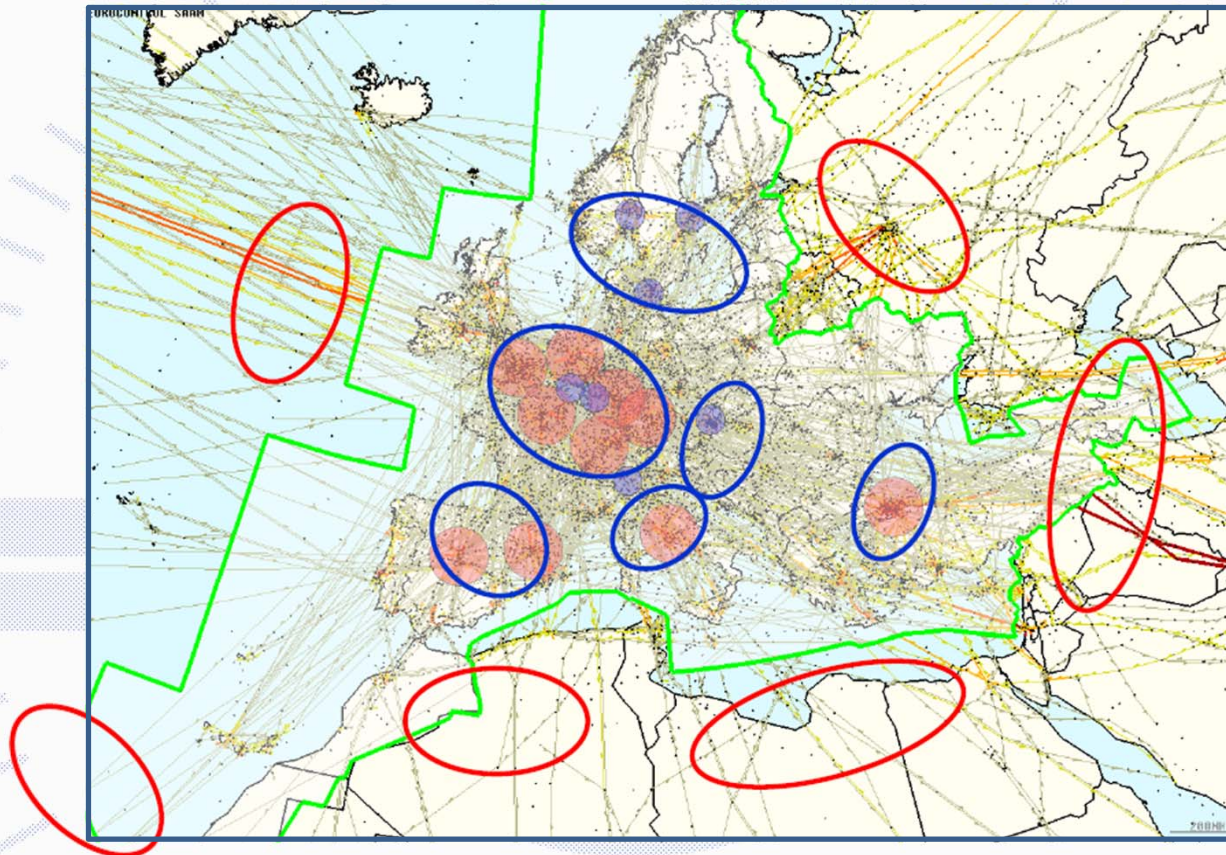
2002

2015

AEFMP area: capacity challenges



A sensitive area for the European traffic evolution



Major entry/exit areas inside and at the interface of the FRA area
(extract from SESAR JU Proposal for the future architecture of the European airspace, 11/2018)





... for ASBU
implementation



AEFMP achievements & plans: PIA1

Airport Operations



APTA

- A GNSS workshop was held in Toulouse, ENAC and ESSP on 20-21/06/2018
 - All the 6 ANSPs, EC and ESSP were present
 - GNSS experts exchanged views, knowledge and contacts
 - EC benefited from the meeting to hold bilateral discussion
 - A benefit is expected on development of GNSS-based approaches



AEFMP achievements & plans: PIA2

Globally interoperable systems and data
through globally interoperable system-wide information management



FICE

- Promotion and development of automatic coordination between ACCs of AEFMP (OLDI/FMTP)
- Coordination of Technical arrangements templates (MoC) for management of data exchanges
- Promotion and support to ONDA, OACA and ENNA in use of PENS and NewPENS networks



AEFMP achievements & plans: PIA3

Optimum capacity and flexible flights – through global collaborative ATM



FRTO

- Organisation of NEST training (Marseille ACC, 2018)
- Study on East-West route creation (Casablanca - Alger – Marseille) (2018). An expert group, led by ENNA, goes on promoting the exchanges between experts on this topic.
- FRA between Lisboa, Madrid and Brest ACCs (progress made, on going)
- FRA between Casablanca and Lisboa FIRs (on going)



ASUR

- Multiple sharing of surveillance facilities all over AEFMP area since end 90'
- Coordination of Technical arrangements templates (MoC) for promotion of sharing of resources and management of data exchanges
- Madeira (Portugal) WAM/ADS-B sharing with Agadir ACC (Morocco) (on going)



AEFMP achievements & plans: PIA3

Optimum capacity and flexible flights – through global collaborative ATM



NOPS

➤ Operational influence

- Coordination between national ATM experts which regularly involves NM representatives
- Crisis management is anticipated through regular exchanges, when needed with NM

➤ Complementary influence

- Performance workshop was held in Madrid, in March 2017
 - The 5 ANSPs of AEFMP at this time were present
 - Performance experts exchanged views, knowledge and contacts
 - A benefit is expected with regard to the overall performance of Air Navigation Service provision in the AEFMP area



AEFMP achievements & plans: PIA4

Efficient flight path – through trajectory-based operations



CDO & CCO

- Benefits are expected from the GNSS workshop held in 2018:
 - Better coordination with EC
 - Increased exchanges between GNSS experts and exchanges of experience
- An expert group, led by ONDA, will go on promoting the exchanges between our identified experts



Conclusion



AEFMP introduced efficient and continued coordination between experts supported by high level management



AEFMP cooperation has shown for years its interest for Western Mediterranean area, entry point of EC air traffic



Rationalisation of means has been continuously developed through the promotion of data and facilities exchanges



Coordination, mutual recognition are permanent between AEFMP members



Inter-regional cooperation is, for AEFMP, the foundation of an harmonized implementation of ASBUs



