

CDM@DSNA

SEMINAR
AND OPERATIONAL
WORKSHOPS

2019 Ops Achievements 2020 Perspectives

SHARE VIEWS, GET RESULTS



DSNA

Direction générale de l'Aviation civile

Ministère la Transition écologique et solidaire



Production-oriented view on 2018 delays

% flights on time	% flights delayed	
90.99	4.41	Greater than 15 min.
	4.60	Less than 15 min.

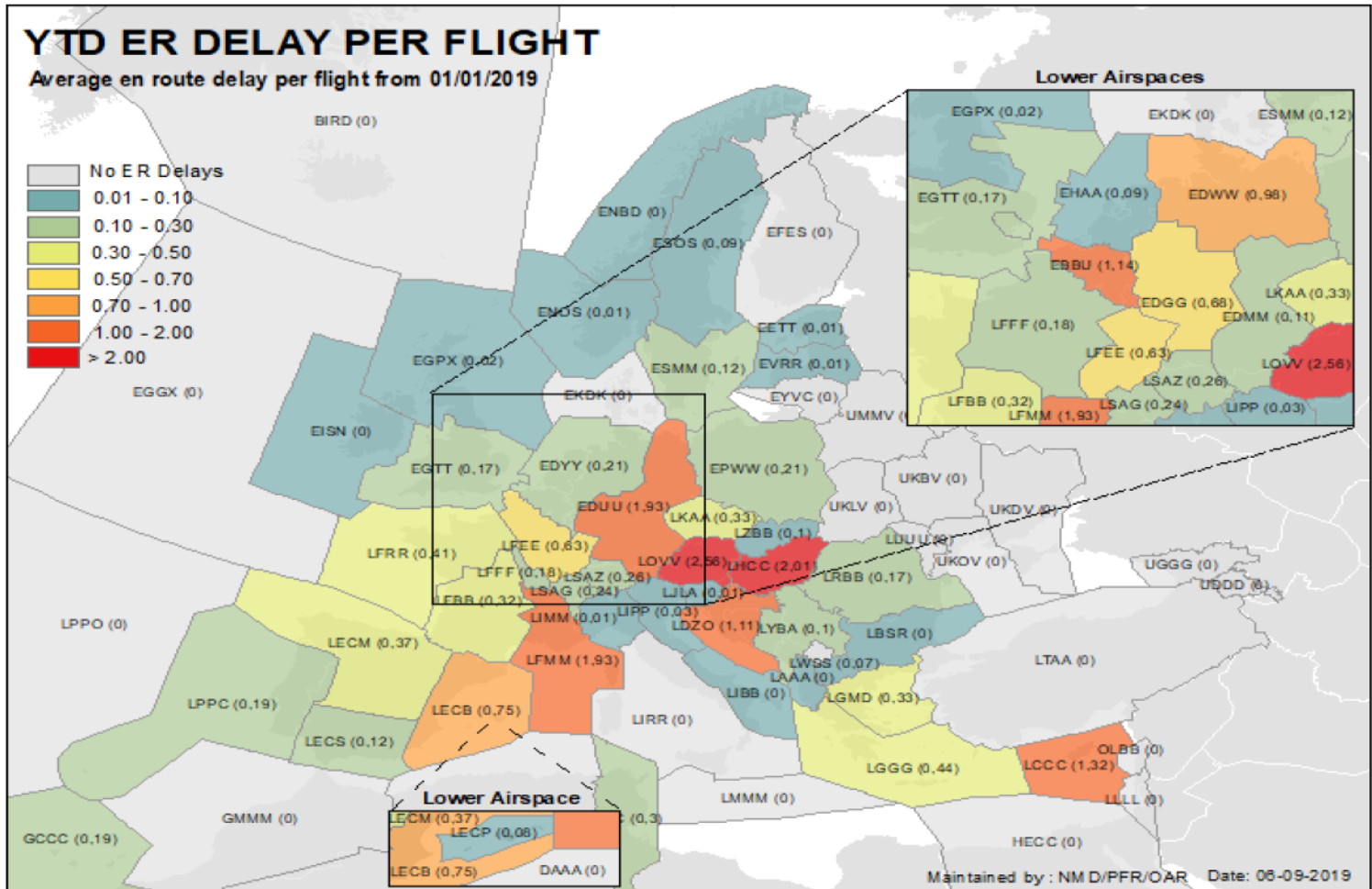
Quality of service

Default rate

(was 94.4% and 2.5% in 2017)



En route delays 2019 (YTD Aug. 2019)





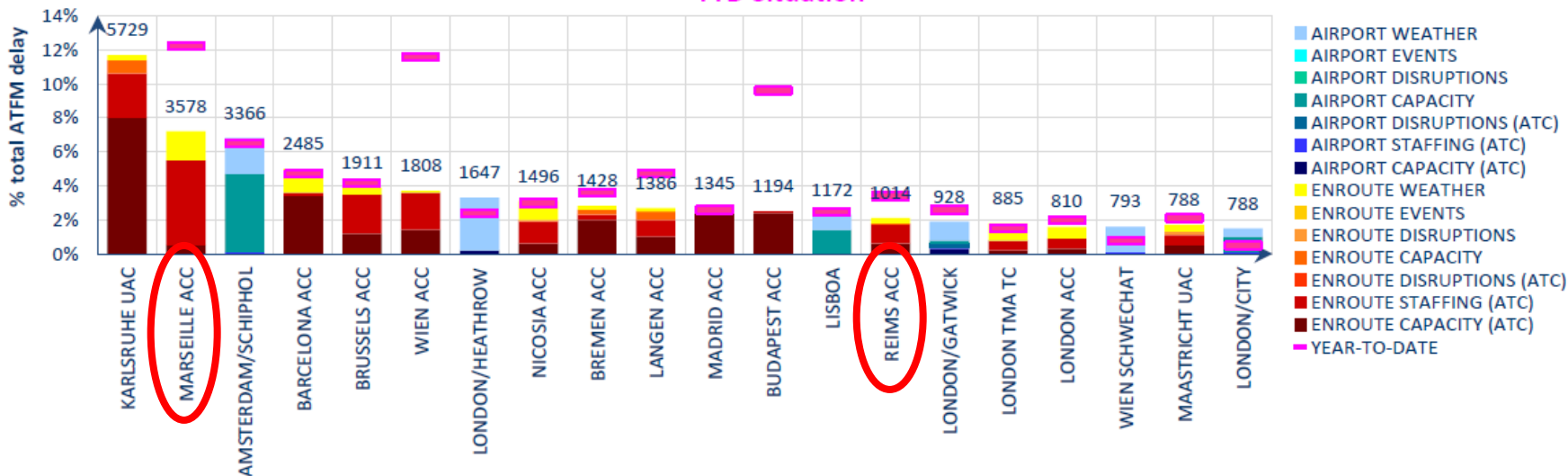
Traffic 2019

- Traffic Oct. -1.45% => trend since August
- Traffic (YTD Oct.) +2.26%
 - **Marseille ACC +3.65%**
 - Brest ACC +1.94%
 - Paris ACC +1.31%
 - Bordeaux ACC +0.75%
 - Reims ACC -0.33%
- Peak day was July 12th with 11,311 flights
- Peak day of 2017 ranks 18th now (11,017 flights)
- Top 20 days = 15 of 2019, 4 of 2018 and 1 of 2017



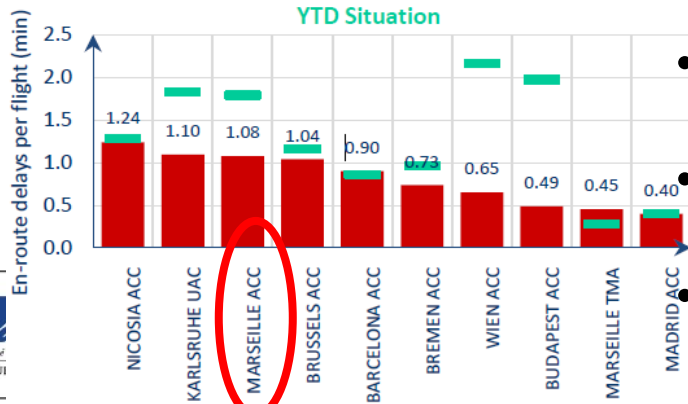
Top 20 delay locations (min) in October 2019

YTD Situation



Top 10 en-route delay per flight in October 2019

YTD Situation



- Marseille ACC is 2nd for total delays and 3rd for delay per flight

- The second French ACC in the top 20 is 14th... (Reims)

- DSNA (YTD Sept. 2019): 2.28 min. per flight and 21.1% delays

More traffic and less delays

1 – eNM/S2019

- Good collaborative work between ANSPs
- Good ACC/NM coordination

2 – Stability

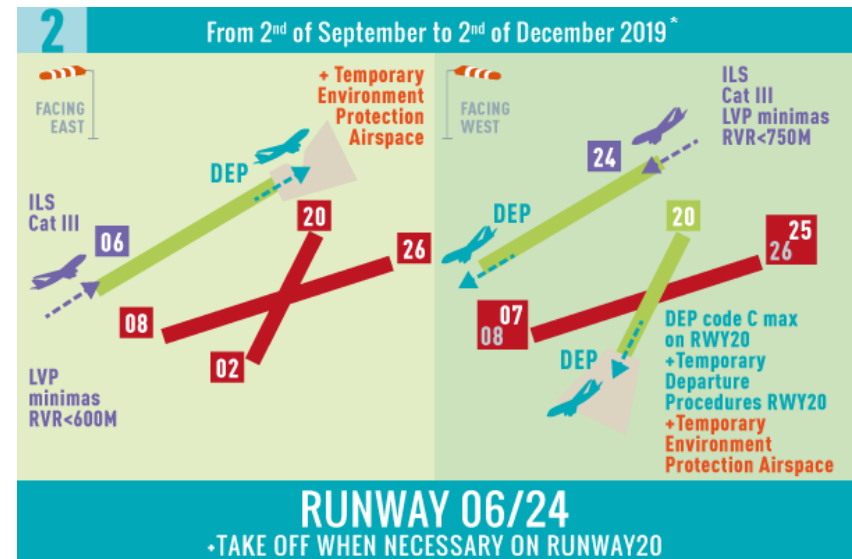
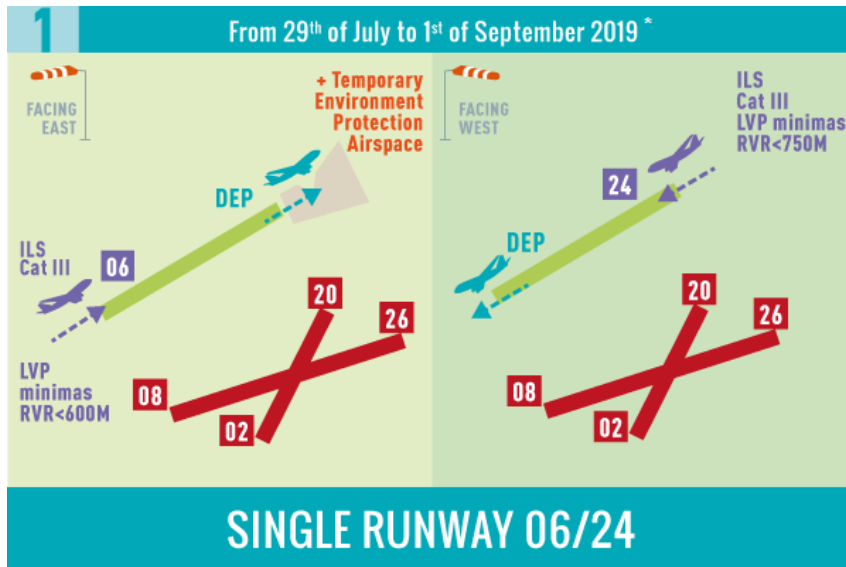
- Fly as you file (ANSPs, airlines)
- Good ACC/NM coordination in general
- Less weather situations and better tactical regulations

3 – Full benefit of 2018-2019 technical deployment

- Full D/L in Brest and Bordeaux ACCs
- EHS
- 43" screens in Brest and Bordeaux ACCs
- ALISEP

(OK, less industrial actions...)

Paris-Orly: CDM during runway closure



- Good DGAC, ADP, Airlines coordination for flight program reduction
- High Intensity Runway Operations (HIRO) in place
- CDM teleconferences and DSNA tool to reduce the impact of curfew on late flights



Sunday September 1st 2019

Failure of French COM Center

- *“September 1st recorded the highest delay ever in the European network (330,246 minutes) for a day without major industrial action. This was due to a combination of heavy convective activity, staffing and capacity constraints and the failure of the French central communications system.”* (NM September Monthly Report)
- MESANGE is a product based on COMSOFT-Frequentis AIDA-NG product, widely used around the world (more than 40 ANSPs)
- DSN A launched an enquiry, and asked for external advice. Eurocontrol and skyguide participated actively.
- The full conclusions will be shared widely (presentation NDOP 6-7 Nov. 2019)



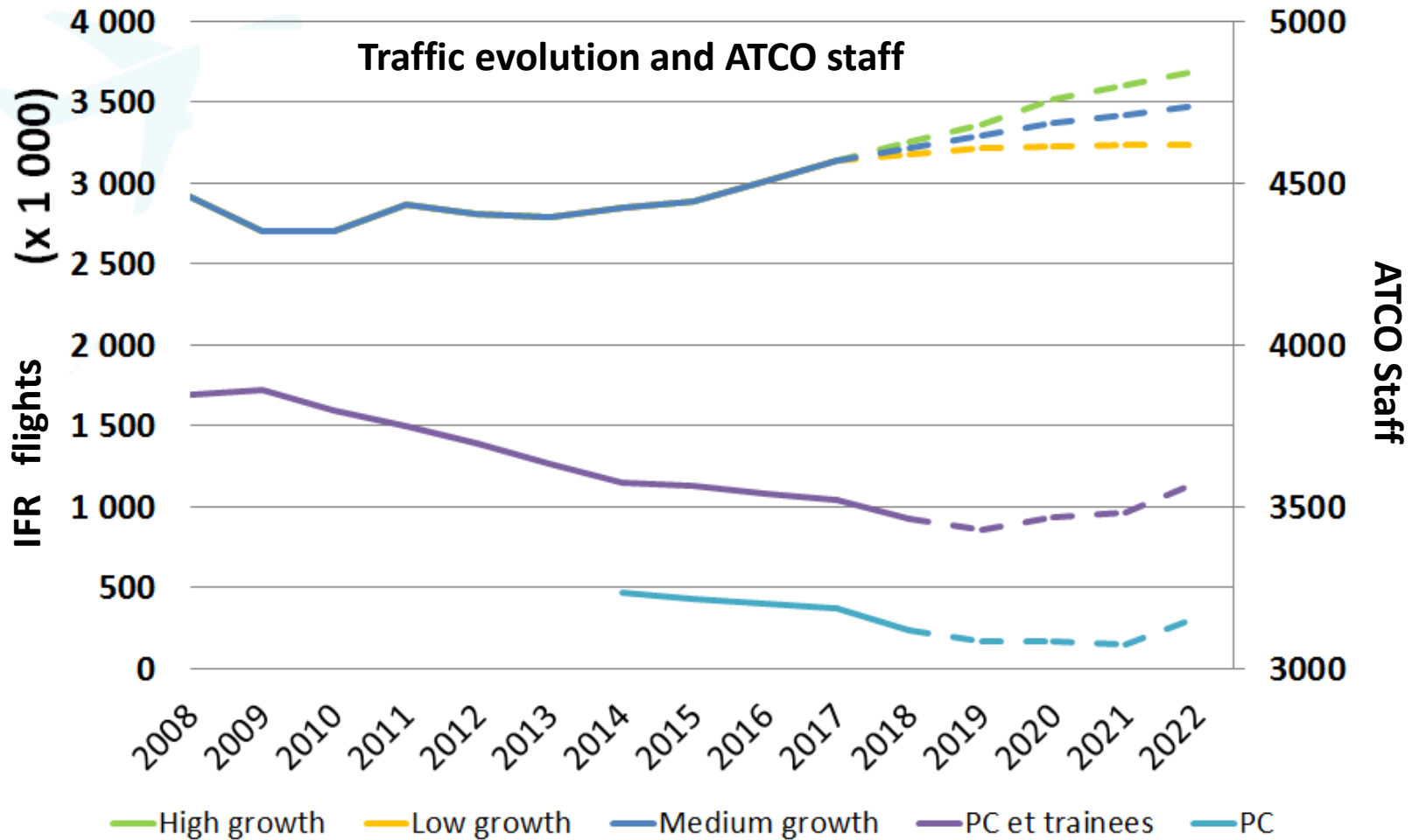


Human resources



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Staff forecast and ATCO recruitment





Continuous rostering adaptation for better en-route capacity

1. Flexible rostering: agreements at ACC level based on national agreement
 - Reims (2015) + yearly adaptation
 - Bordeaux (2016) + yearly adaptation
 - Brest (2017) + yearly adaptation
 - Marseille and Paris (updates 2018 and 2019)
2. Priority on ACC staffing over APP staffing
3. Recruitment + training: medium-term effect
4. Social context
 - Now: new social agreement, “aligned” with RP3
 - Difficult transition period RP2/RP3



What to expect in 2020 ?



2020

- **Less controllers** = less opened sectors despite flexibility
- Preparation for **4-FLIGHT deployment** in Reims and Marseille ACC
 - Training of instructors
 - Training of controllers
- **Active participation** to NM action plan (**global optimum**)
 - eNM/S2020 network measures
 - Stability
 - Management of en-route weather (**collaborative** forecast, routing scenarios) : all French ACCs
 - Structural Airspace Bottlenecks (FABEC, FRANCE+ENAIRE)
- **Transfer of lower sectors** from Brest ACC
- New versions of DSNA ATFM tools: SALTO in ACCs (B2B with NM), BigSky in CDG
- Monitoring, PostOps, Dashboards
- **ATFCM national cell** (coordination, point of contact)





FABEC/NM

Airspace Design and Coordination Group (ADCG)

- Part of the NM action plan
- Exploit cross-border FRA flexibility to address both capacity and flight efficiency
- All existing projects integrated and adapted
- Providing long term military and national requirements
- Airspace structure plan and implementation roadmap – Spring 2020

(Note: let's get ready for FRA 2021)





Thank you. Questions ?



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