



**DFS** Deutsche Flugsicherung

# LIZ

Situation and  
Information Centre

## ATFM delay report

February 2018

### Air Traffic Flow Management (ATFM) delay ATFM measures in Europe (Data source: NM statistics)

|                   | February 2018 |       | February 2017 |      | Trend 18/17 |
|-------------------|---------------|-------|---------------|------|-------------|
| Total flights     | 718.307       |       | 693.565       |      | 3,6%        |
| Regulated flights | 71.540        | 10,0% | 50.946        | 7,3% | 40,4%       |
| Delayed flights   | 36.203        | 5,0%  | 29.101        | 4,2% | 24,4%       |

**Total flights**

Number of flight plans having been activated in the EUROCONTROL NM TACT system

**Regulated flights**

Number of flights / percentage of flights with SLOT allocation (with & without delay)

**Delayed flight**

Number of flights / percentage of flights subject to delays due to ATFM measures

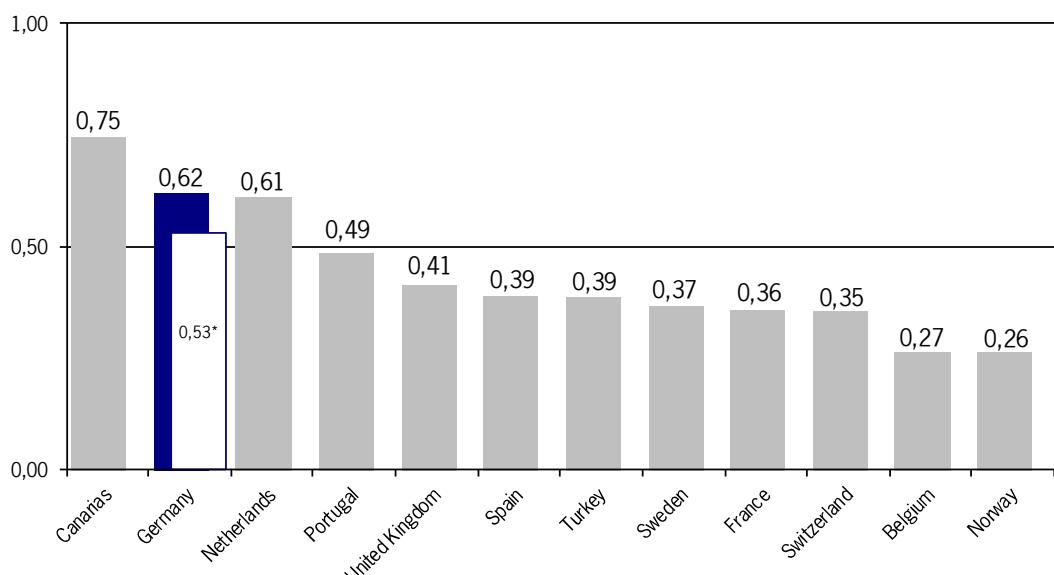
**Trend column**

The percentages show the changes compared to the corresponding period last year.

### ATFM delay per flight

(Data Source: NM statistics)

Average ATFM delay per flight in minutes attributable to national FMP's



\*caused by ATC  
(source: DFS CCFC, based on FMP reports)

## ATFM delay as a result of ATFM measures

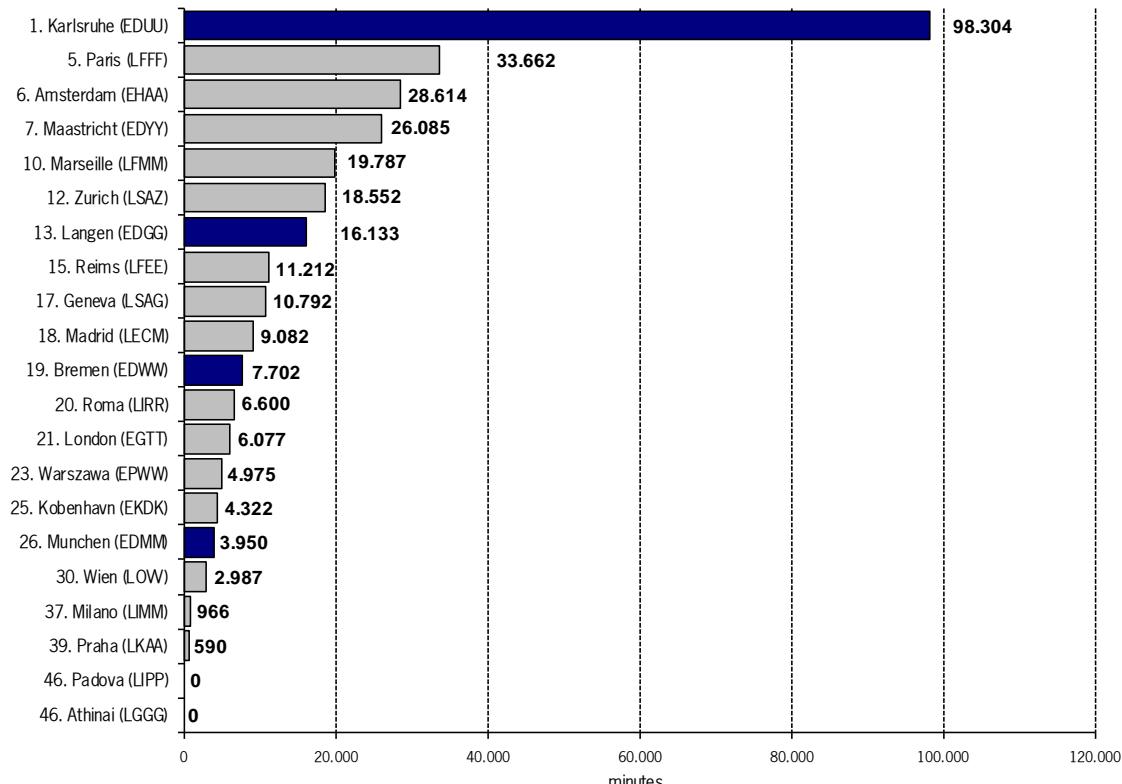
(Data source: NM statistics)

ATFM delay in minutes as a result of ATFM measures of selected European FMPs.

*ATFM delay:*

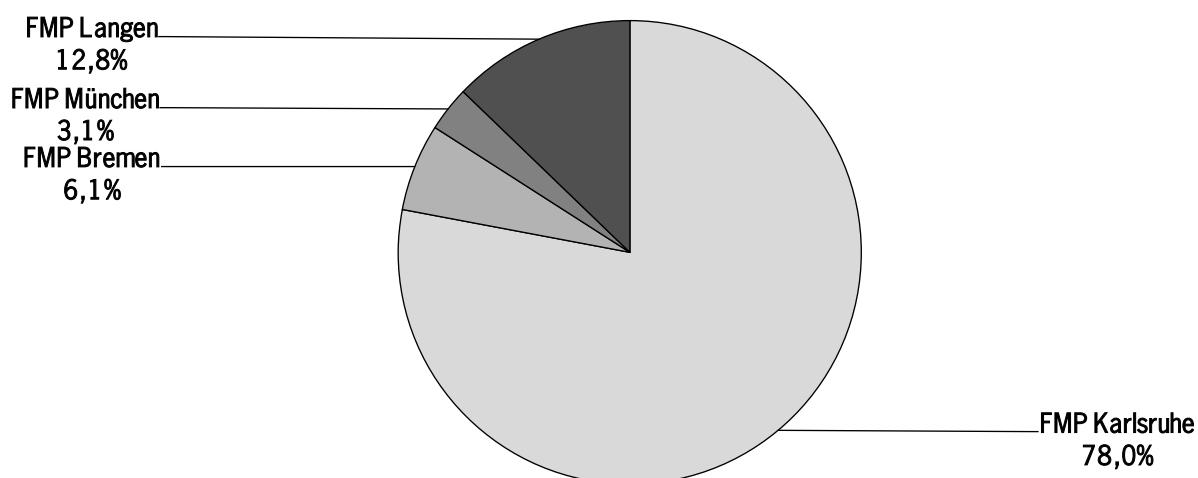
*Time difference between estimated take-off time (ETOT) and calculated take-off time (CTOT) of the NM*

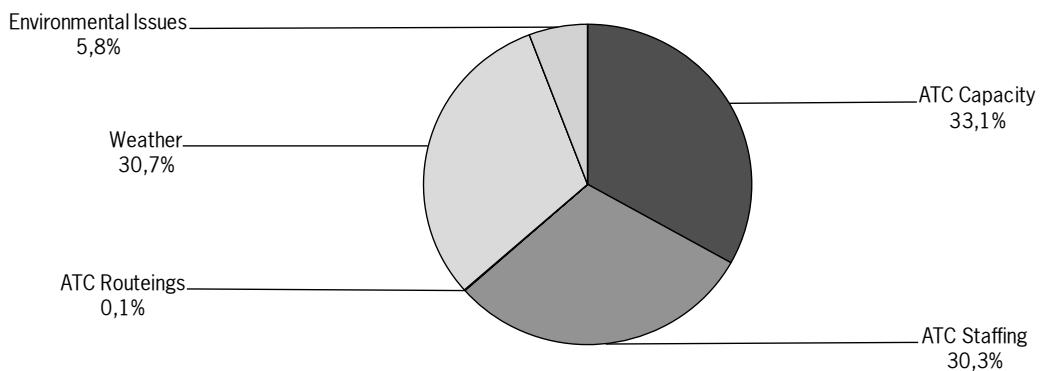
**Percentage of German FMPs:** 22,2% = 126.089 minutes of total delay of 567.763 minutes



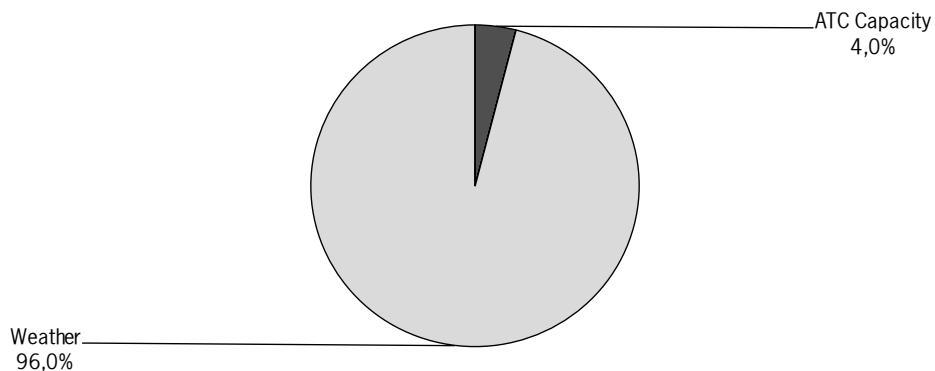
## Percentage of German ATFM delay attributable to different FMPs

(Data Source: DFS CC-FC, based on FMP reports)

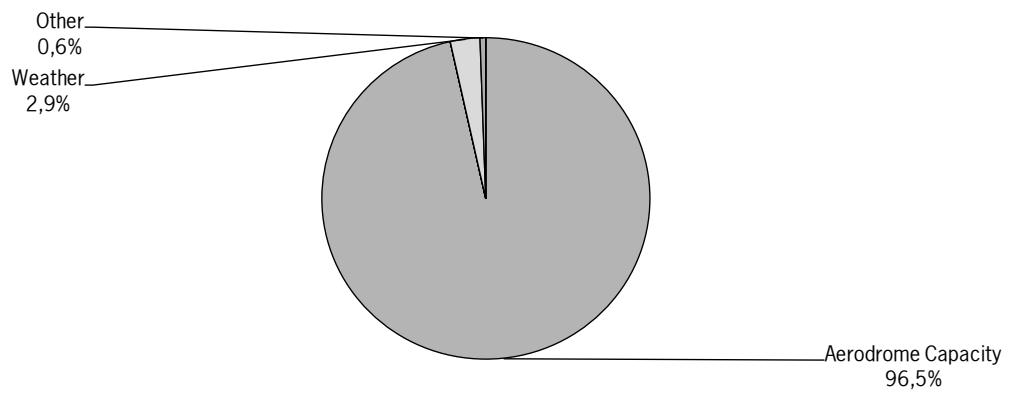


**FMP  
Langen**

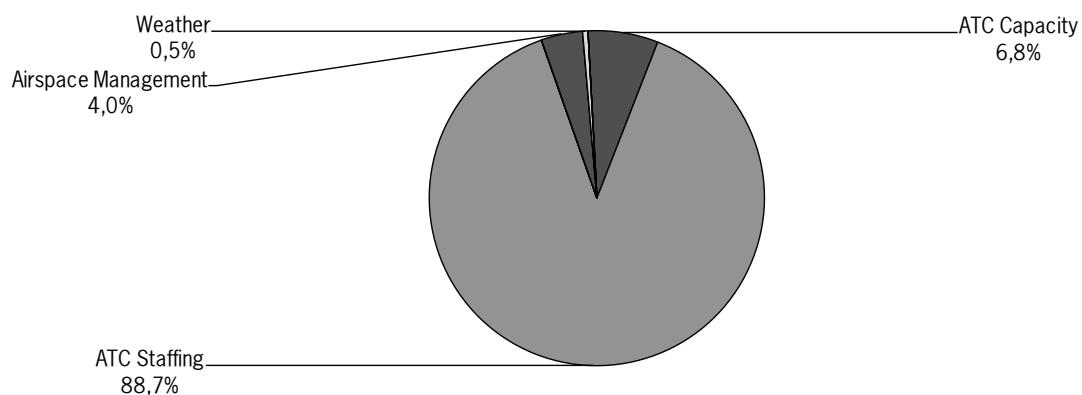
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**FMP  
München**

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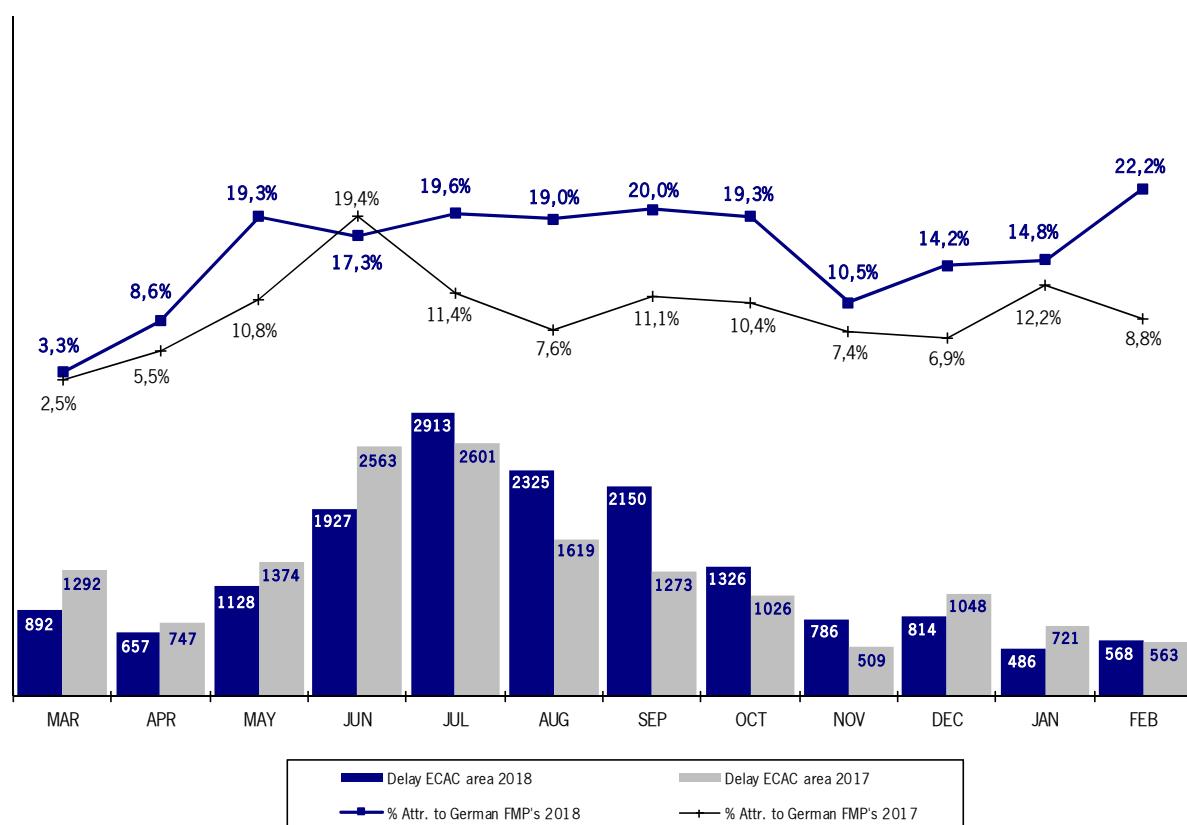
**FMP  
Bremen**

**FMP**  
Karlsruhe



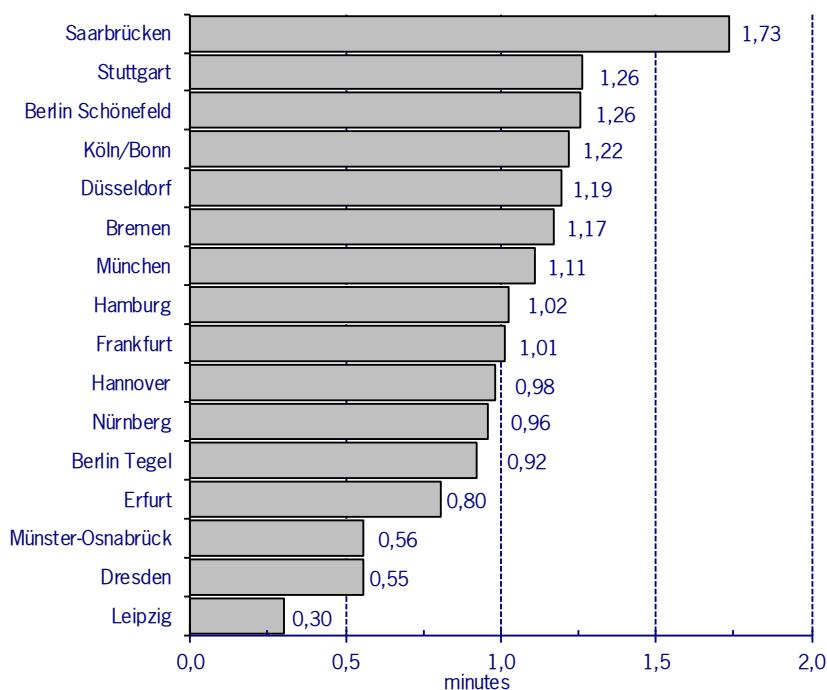
**Development and share of ATFM delays attributable to German FMP's**  
(Data source: NM statistics)

ATFM delays (in thousands of minutes) and percentages of ATFM delays attributable to ATFM measures.



## ATFM departure delays at international German airports

(Data Source: NM statistics)



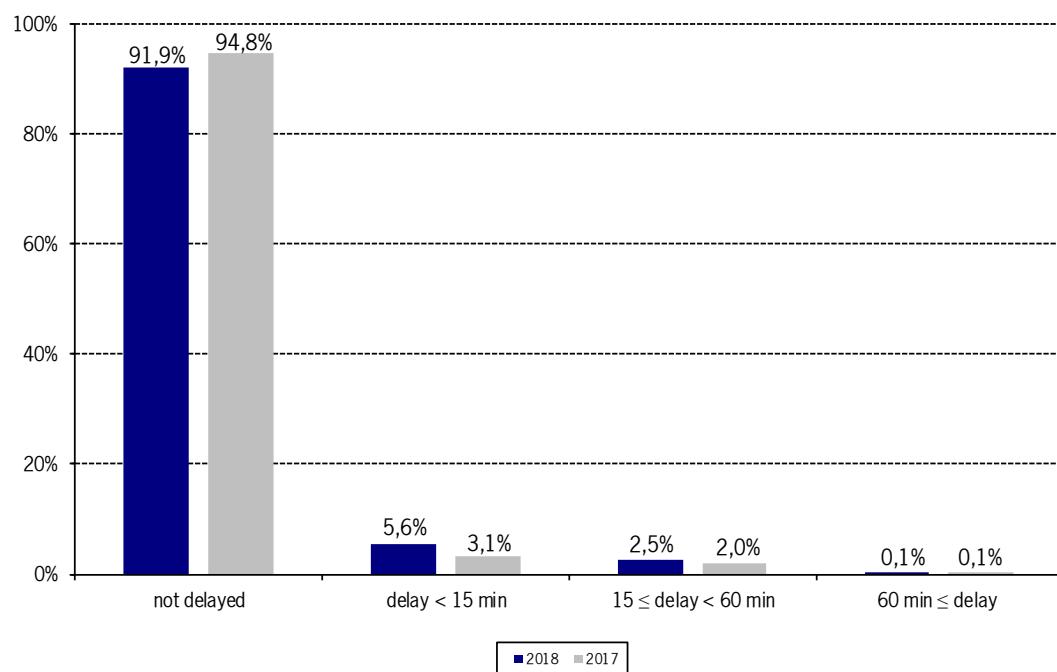
Average ATFM delays in minutes for departures from international German airports following ATFM measures of European FMP's.

**German airports:**  
13,4% = 76.038 minutes  
of the total delay of  
567.763 minutes

## ATFM departure delays at international German airports

(Data source: NM statistics)

Percentage of ATFM delays for flights departing from international German airports attributable to ATFM measures in categories. The delays are distributed in 3 categories.



## ATFM Arrival Delay

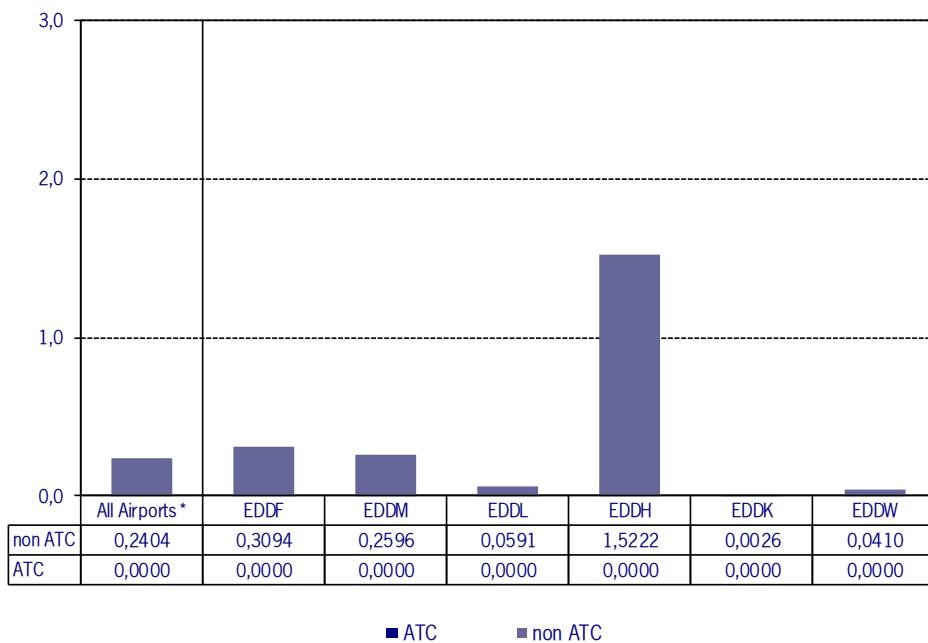
(Data Source: NM statistics, DFS LIZ)

ATFM Arrival Delay with reference to the relevant Airport, in minutes per IFR Arrival.

*ATFM Arrival Delay:*

*sum of all arrival ATFM delay divided by the sum of all inbound flights for the particular traffic volume*

**ATFM Arrival Delay**



Please note: The ATFM delay data are provided by NM statistics. Due to internal distribution of the ATFM delay, data are modified by CC/FC and TWR/M. The inbound flight information is based on LIZ statistics.

\* All Airports means all international German Airports

Berlin Schönefeld (EDDB), Berlin Tegel (EDDT), Bremen (EDDW), Dresden (EDDC), Düsseldorf (EDDL), Erfurt (EDDE), Frankfurt (EDDF), Hamburg (EDDH), Hannover (EDDV), Köln/Bonn (EDDK), Leipzig (EDDP), München (EDDM), Münster-Osnabrück (EDDG), Nürnberg (EDDN), Saarbrücken (EDDR), Stuttgart (EDDS)