

**PERFORMANCE REPORT 2020 - 2024** 

# ENVIRONMENT July 2023



making the difference



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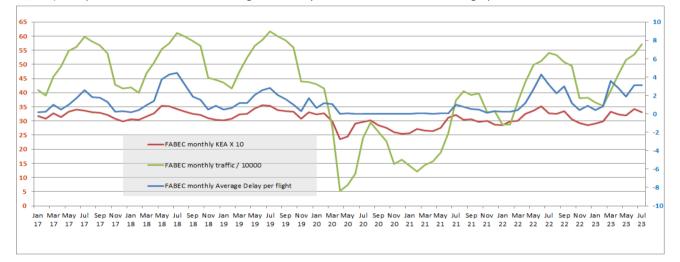
### **Description & Analysis**

#### ENV KPI #1: KEA/HFE at FABEC level (excl. 10 best/worst days)

In the FABEC area, the yearly rolling average value of efficiency of flown trajectory (expressed in KEA) was 96,84% for the period of August 2022 - July 2023, excluding the 10 best and 10 worst days. This value is 0.41pp less than the reference value (97,25%) and 0.04pp less compared to the 12-month rolling average of July 2022 (96,88%). The rolling KEA indicator has been decreasing slowly but steadily during the last year from January to October 2022. In November 2022, the value increased slightly and remained unchanged until January 2023 (96.83%). Since January 2023, the value has been oscillating between 96,81% and 96,84%. The July 2023 value is the same as the previous month's value and 0.4pp less than the highest yearly rolling KEA value since 2015 reached in March and April 2021 (97,24%). In July 2023, the difference between KEA and KEP is 2.44pp, which is 0.02pp smaller than the one month prior.

#### ENV PI#1: HFE based on Actual at FABEC level (including all days)

The flight efficiency (expressed in KEA including all days on a monthly basis) has reached 96,69% in July 2023, which is 0.12pp higher compared to June 2023 (96,57%) and 0.96pp lower compared to April 2020 (97,65%), which is the highest value since January 2016. The KEA in July 2023 has decreased by 0.04pp compared to the same month in 2022 (KEA in July 2022 was 96,73%). The positive correlation between flight efficiency and traffic can be seen in the graph below:



#### ENV PI#2: KEP/HFE based on Filed FPL at FABEC level (excl. 10 best/worst days)

The KEP 12 month rolling average indicator was 94,40% for July 2023. It has increased by 0.1pp as compared to 94,30% in July 2022. The rolling average has been increasing slowly but steadily during the year of 2022 from 94,29% in May 2022 until it reached 94,36% in February 2023. From February 2023 to June 2023, the value has been oscillating between 94,34% and 94,38% until in July it reached the highest level in the year (94,40%).

#### ENV PI#3: HFE based on Filed FPL at FABEC level (including all days)

The figure shows an increase of flight efficiency in July 2023 (94,45%) by 0.12pp compared to one month prior (94,33%) and an increase in flight efficiency in July 2023 by 0.16pp compared to the value in July 2022 (94,45% in July 2023 vs 94,29% in July 2022).

#### ENV PI#4: HFE based on Actual at State level (including all days)

At national level, all countries except Switzerland demonstrated an increase of flight efficiency based on actual trajectories in July 2023 compared to June 2023.

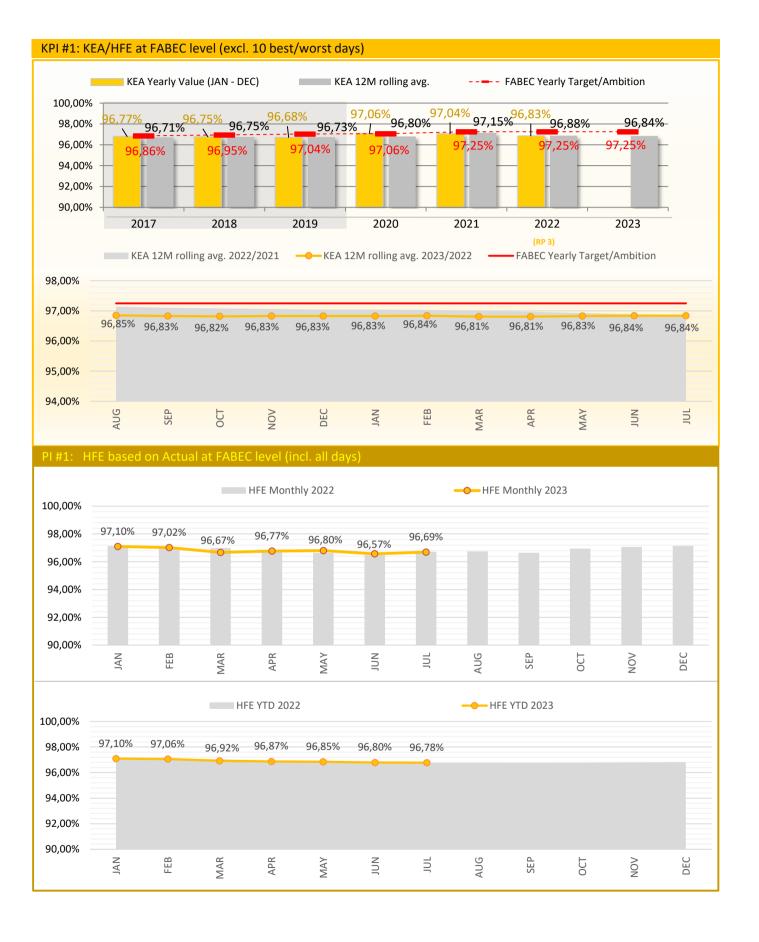
#### ENV PI#5: HFE based on Filed FPL at State level (including all days)

At national level, all countries demonstrated an increase in flight efficiency based on the filed FPL in July 2023 compared to June 2023.





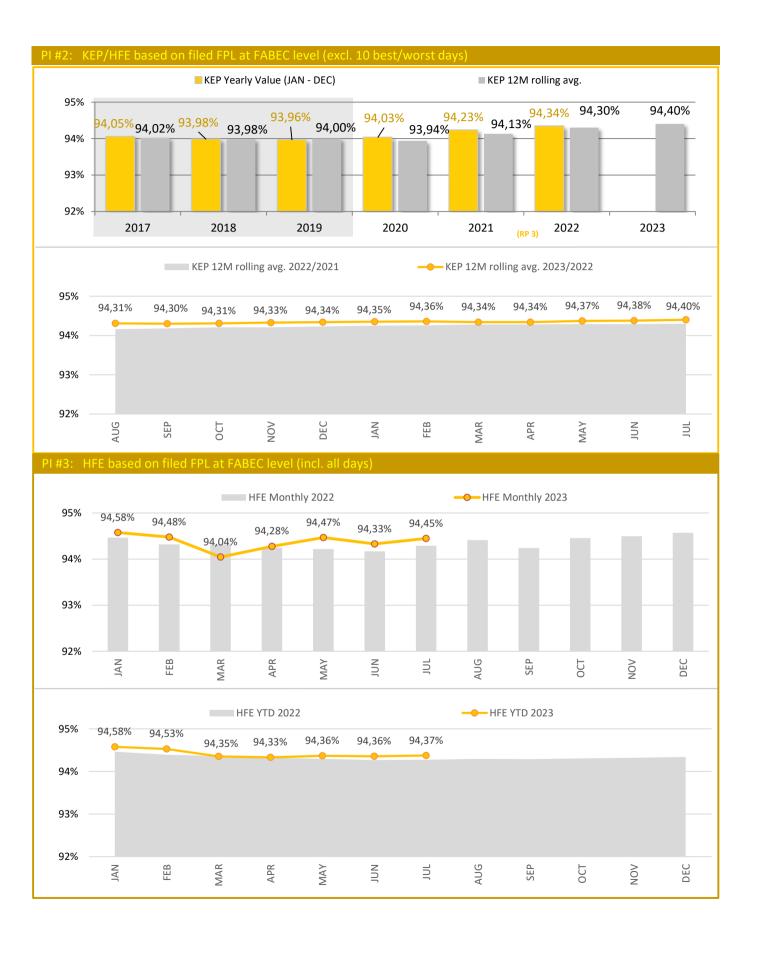




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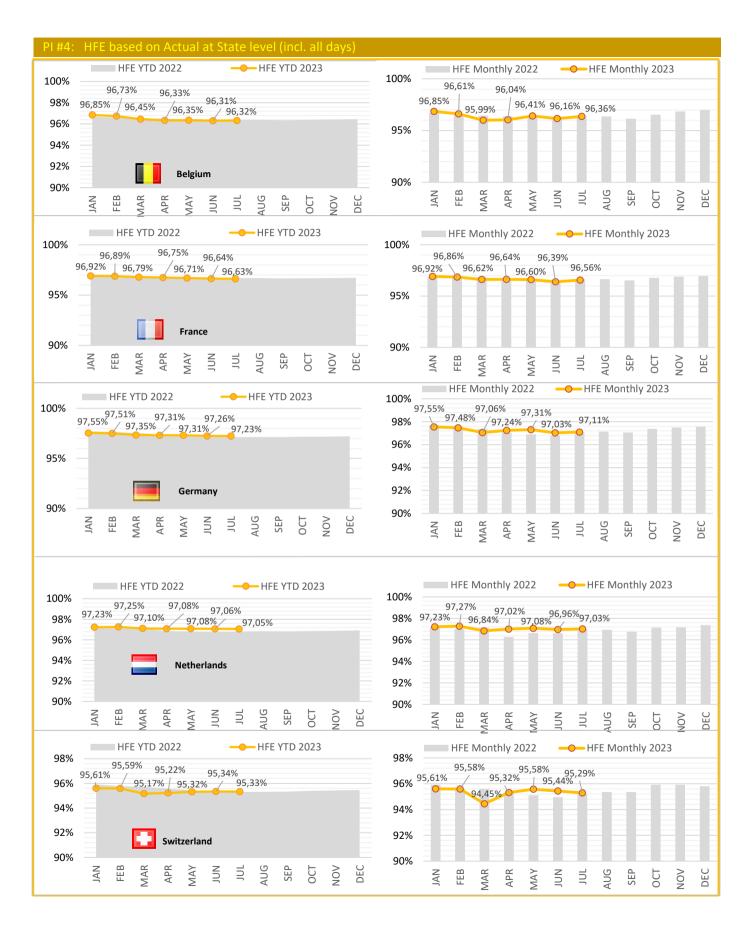


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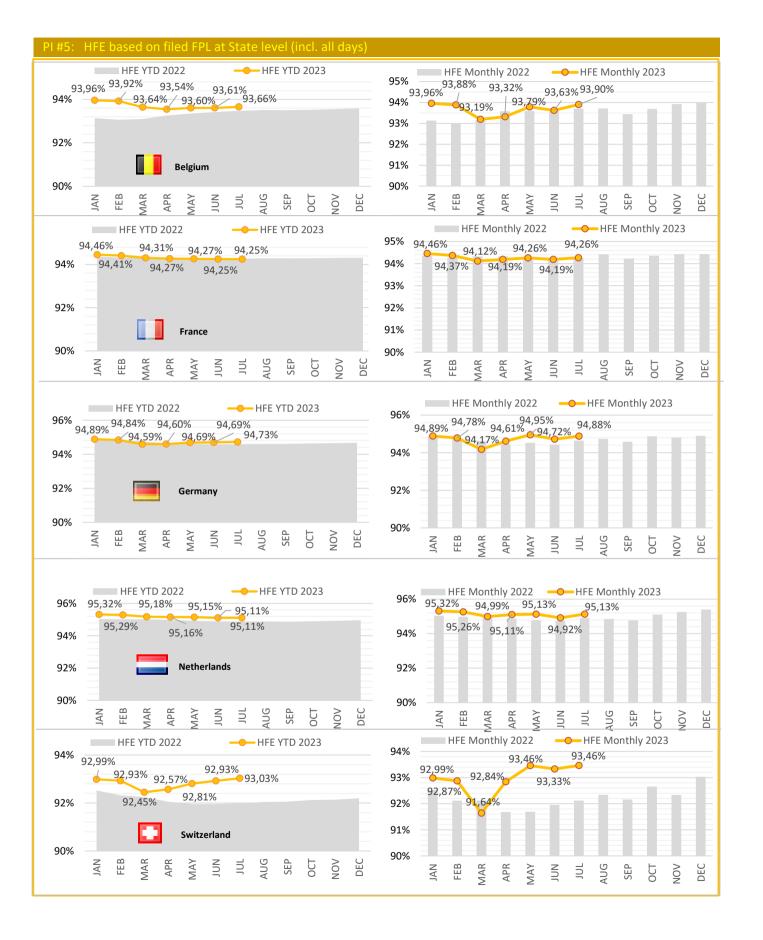


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# **ENVIRONMENT**





### Glossary

#### **KEP / KEA definition**

KEP compares the length of the en route section of the last filed flight plan Lp with the corresponding Achieved p of the great circle distance.

KEA compares the length of the en route section of the actual trajectory La with the corresponding Achieved a of the great circle distance.



KEP is the reference for SES-wide improvement with a global target set by the European Commission. KEA is the reference for FAB improvements with individual targets set by the European Commission.

#### Achieved distance calculation

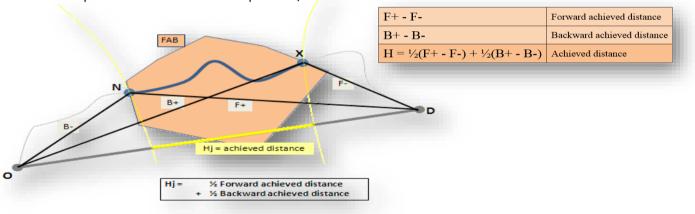
4 reference points are identified for KEP/KEA calculation :

The **O**rigin and **D**estination points are the targets of the trajectory and the reference points for the Great Circle:

- the airports inside the SES area
- when the airports are outside the SES area, they are the trajectory point at the SES border

The eNtry and eXit points are the first and last points of the part of the trajectory considered within a FAB:

- the point on the 40NM circle around departure or arrival airport
- the point on the border with the previous/next FAB



#### TABLE OF ABBREVIATIONS

- ADEP Airport of Departure
- ANSP Air Navigation Service Provider
- ATFM Air Traffic Flow Management
- FABEC Functional Airspace Block Europe Central
- ADES Airport of Destination
- PRU Performance Review Unit
- YTD Year to Date value
- FPP FABEC Performace Plan
- TMA Terminal Manoeuvring Area, delimited by a 40 NM circle around the origin and destination airport.





#### **FABEC Performance Report Environment:**

Editor:FABEC PMGSources:EUROCONTROL PRU (http://ansperformance.eu/), FABEC ANSPsStatus:July 2023www.FABEC.eu

#### Notice

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Only information from quoted sources has been used and information relating to named parties has been checked with the parties concerned.

Despite these precautions, should you find any errors or inconsistencies we would be grateful if you could please bring them to the FABEC PMG's attention.

