

Supporting  
European  
Aviation



# OLDI performance benefits



NETWORK  
MANAGER



## OLDI operational and performance benefits

- The OLDI exchanges mean the provision / reception of ATC coordination and transfer data in an automated way replacing the verbal coordination and transfer.
- The benefits of these automated exchanges can be several folds as:
  - Substantial increase in **Capacity**, because of ATCO workload reduction compared with the conventional process without an automated support. If the phone coordination is replaced by an automated one, the ATCO workload is reduced providing a means to increase the sector entry rates and accept more traffic within the sector, increasing the ATCO productivity.
  - EUROCONTROL Network Manager as an entity responsible for capacity planning across ECAC region have seen that the implementation of OLDI basic and advance features led in many cases to 7-10 % increase of sector capacity figures, therefore OLDI is considered as one of main booster for capacity increase.

## Impact on other KPIs

- The automation of coordination and transfer exchanges will slightly improve **Safety** due to the automation and reduction of human errors induced by verbal coordination and transfer.
- The **Operational Efficiency** will increase by enabling more efficient planning and operational decision making.
- The traffic **Predictability** will be slight improved as adjacent ATS units will share the same information about the flight, therefore it is less needed to add buffers. Knowing in advance where aircraft will be and at what time will allow capacity to match demand, reducing penalties.
- The benefits of OLDI come from having a method to share the operational flight data information between adjacent ATS units each time there is an update. The impacted ANSPs can use this up-to-date information to calculate their trajectory predictions. As these predictions will be more accurate, i.e. with a narrower range of uncertainty, there might be some improvements in the performance of conflict detection tools (MTCD).
- OLDI provides more dialogue functionalities and more flexibility in the way flights are exchanged across centres (e.g., SKIP functionality).