



Partnering
for excellence
in global
aviation



World ATM Congress 2017

Operated by CANSO in partnership with ATCA

Exploring future solutions

Moderated by Ludovic Legros,
SESAR Joint Undertaking



NOMMON



Pedro García - Deputy Project Coordinator



Project overview



Mobile phone data



Twitter data



Public transport
smart card data



Google maps API
data



Credit card data



Flightradar24 data



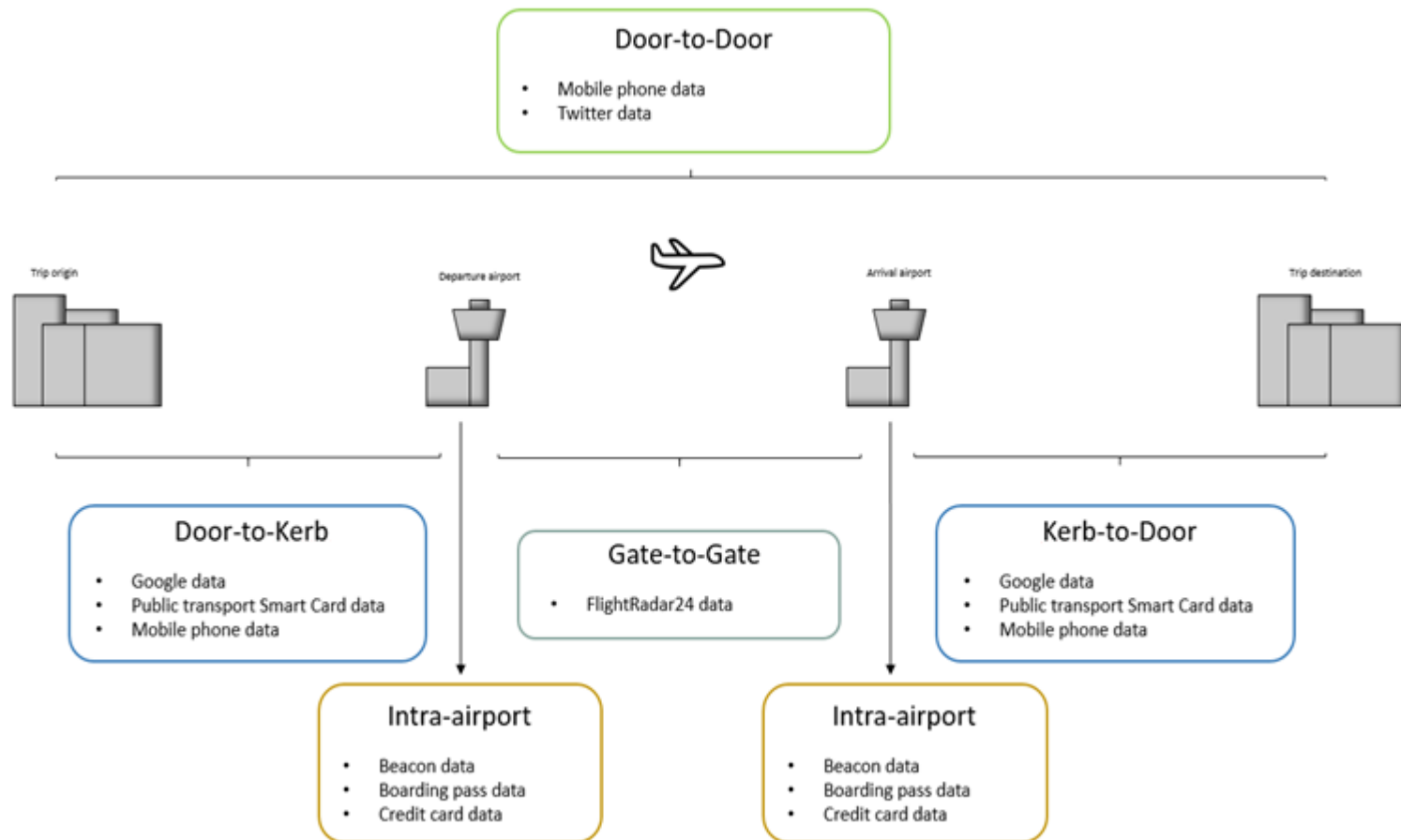
Bluetooth/WiFi sensor
data



Boarding pass data



Project overview



Door-to-door mobility analysis

- Mobile phone data
- Twitter data



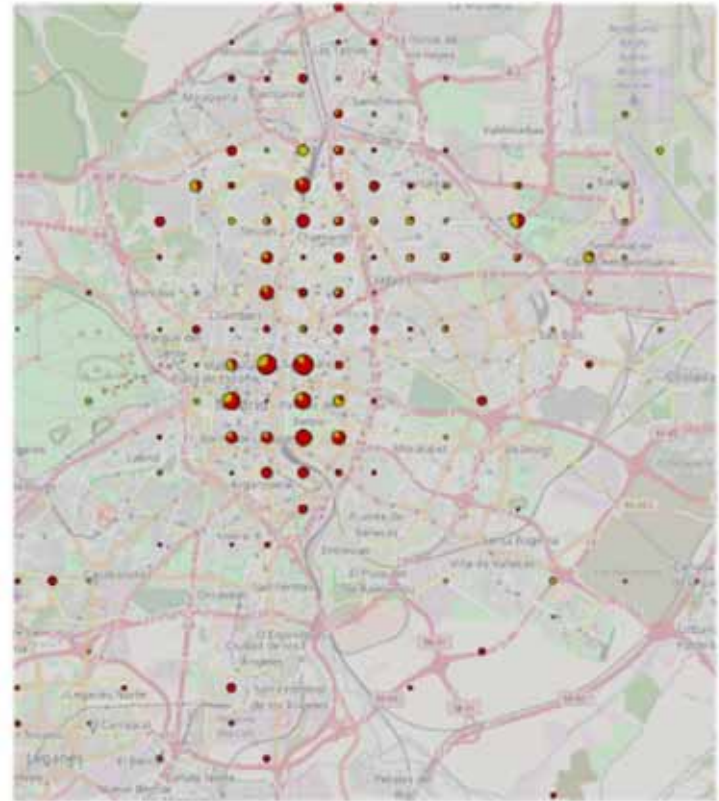
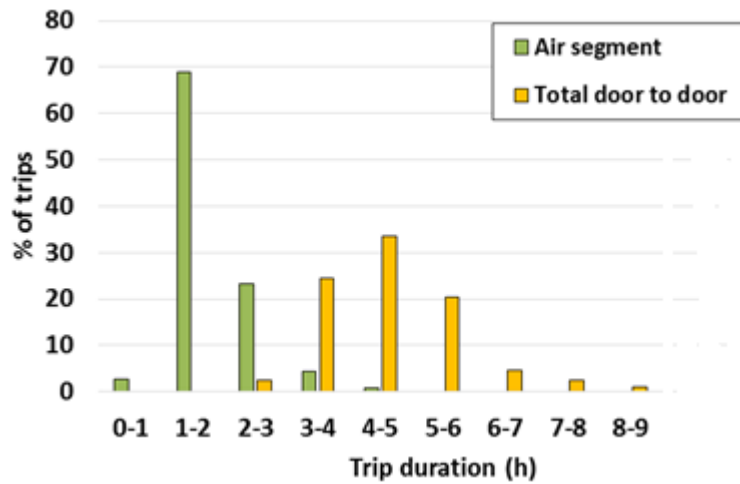
Mobile phone data analysis

What we see



100

Results



Twitter analysis

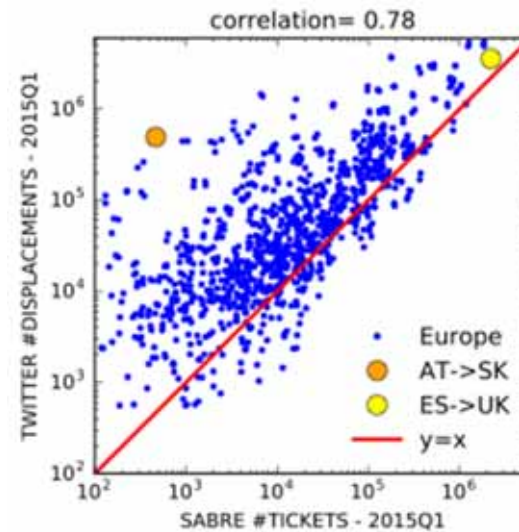
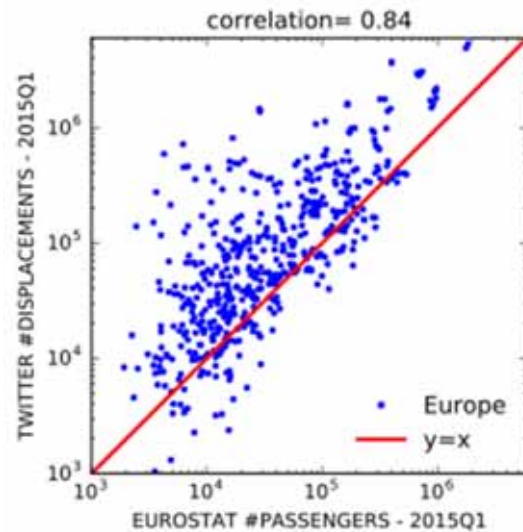
Objectives

- Estimate the international travel flows throughout Europe by analysing Twitter data
- Validate these estimations with official data



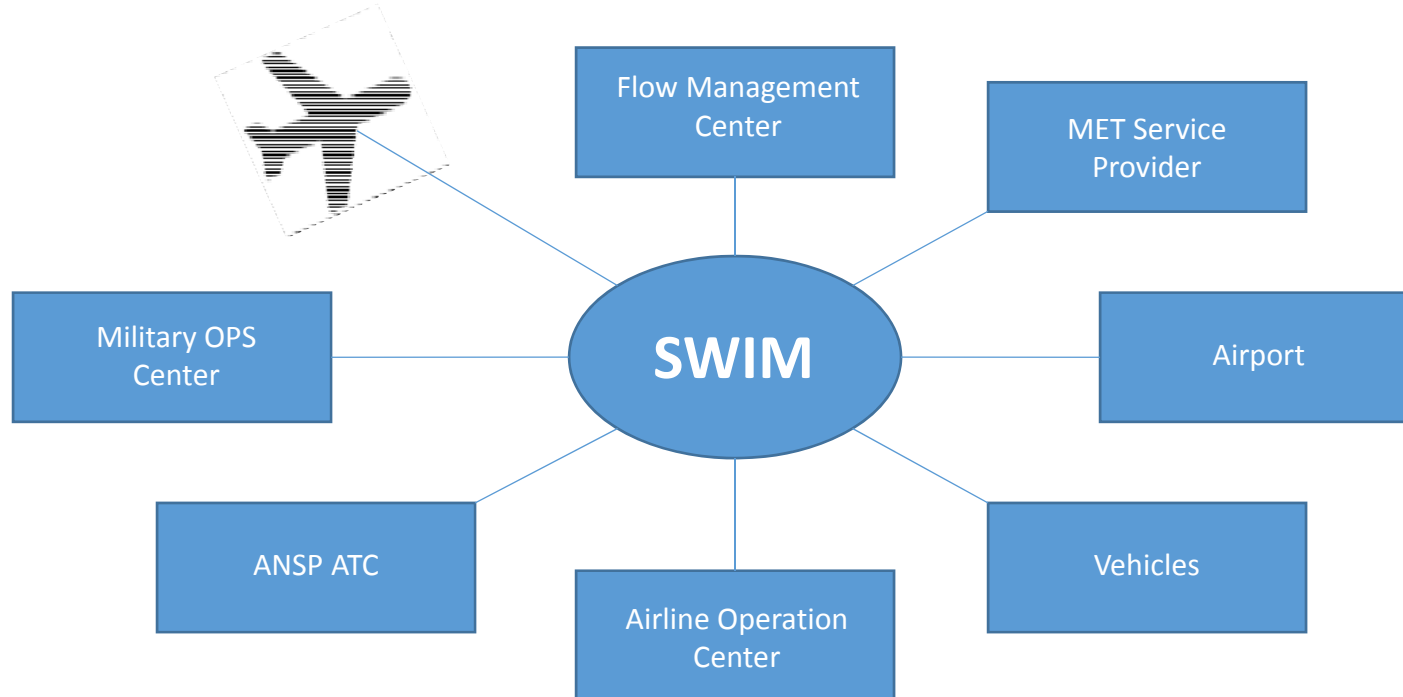
Twitter analysis

Results



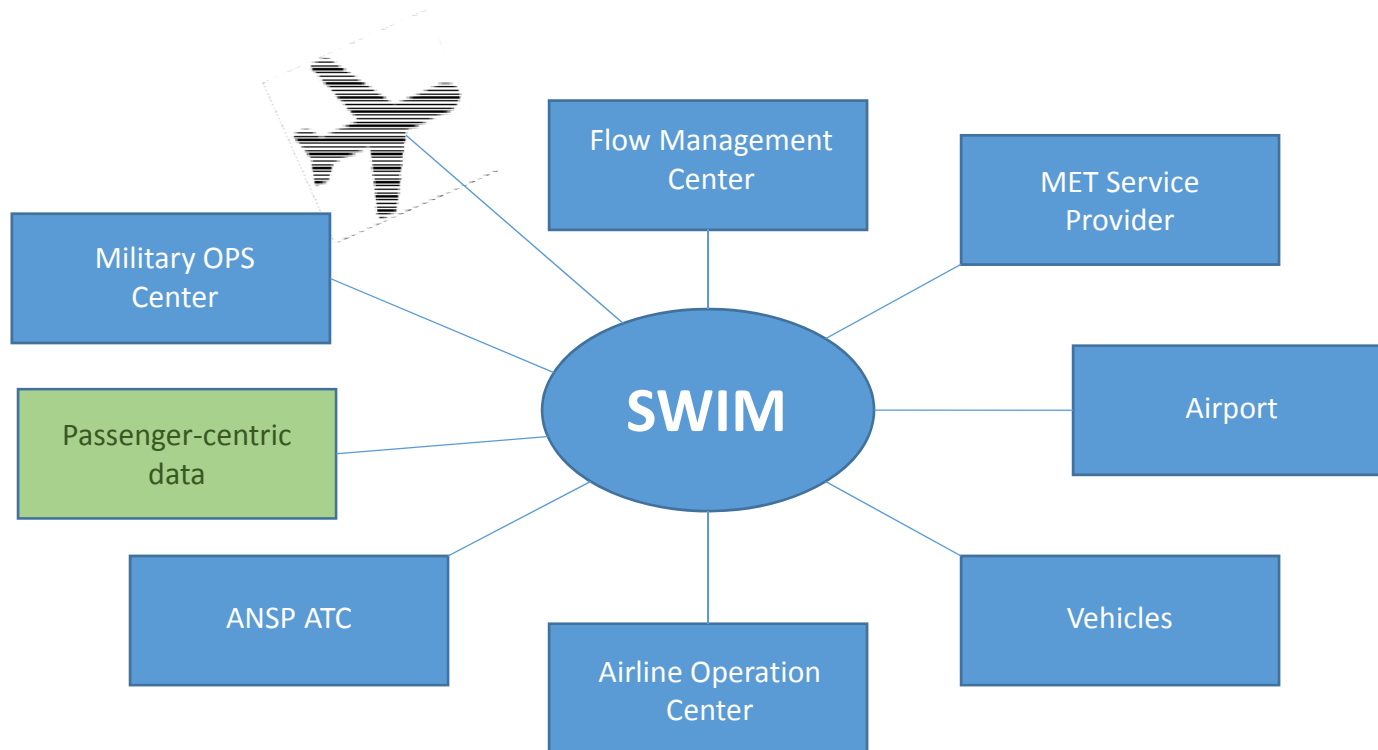
Possible SESAR Solution

Current approach:



Possible SESAR Solution

The missing piece: Integration of passenger-centric data



Business perspective

BigData4ATM will develop innovative methods to fill gaps present in traditional data. This will mean:

- Cost reductions in data collection processes
- Increase in the amount of information
- New passenger-centric performance metrics
- Better integration of aviation in the transport network
- New air traffic forecasting models

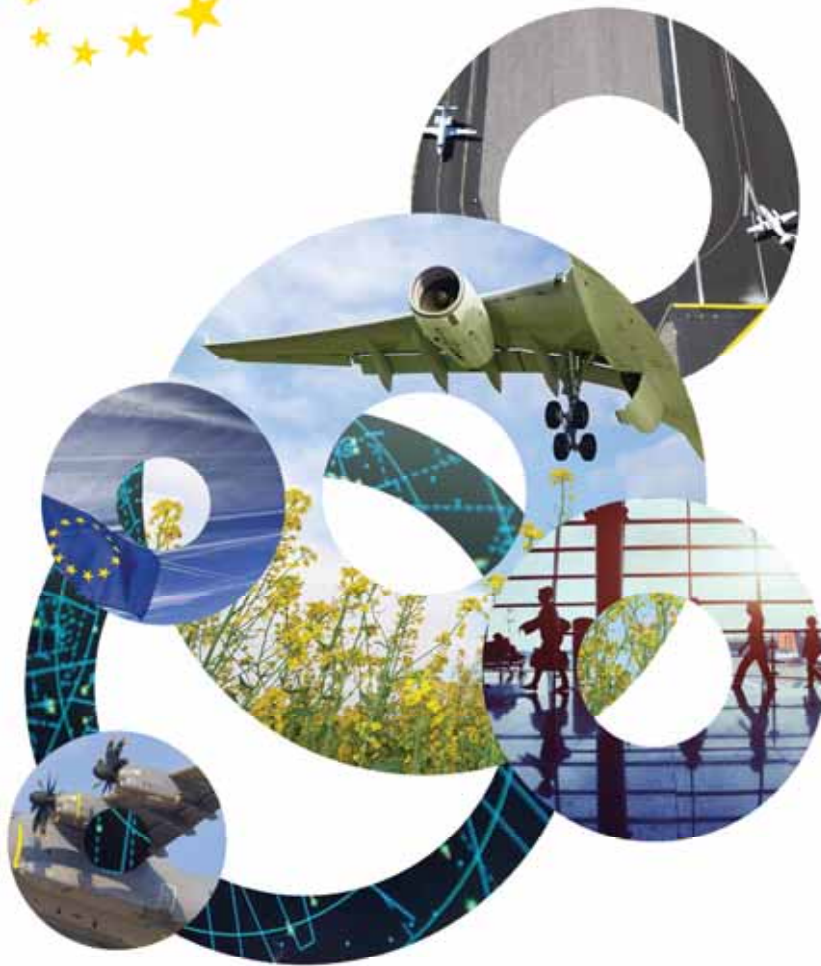


Business perspective

Who will be the end user?

- Airports
- Airlines
- Network manager
- Travel distribution services
- ...





**Thank you
for your attention**

More information:

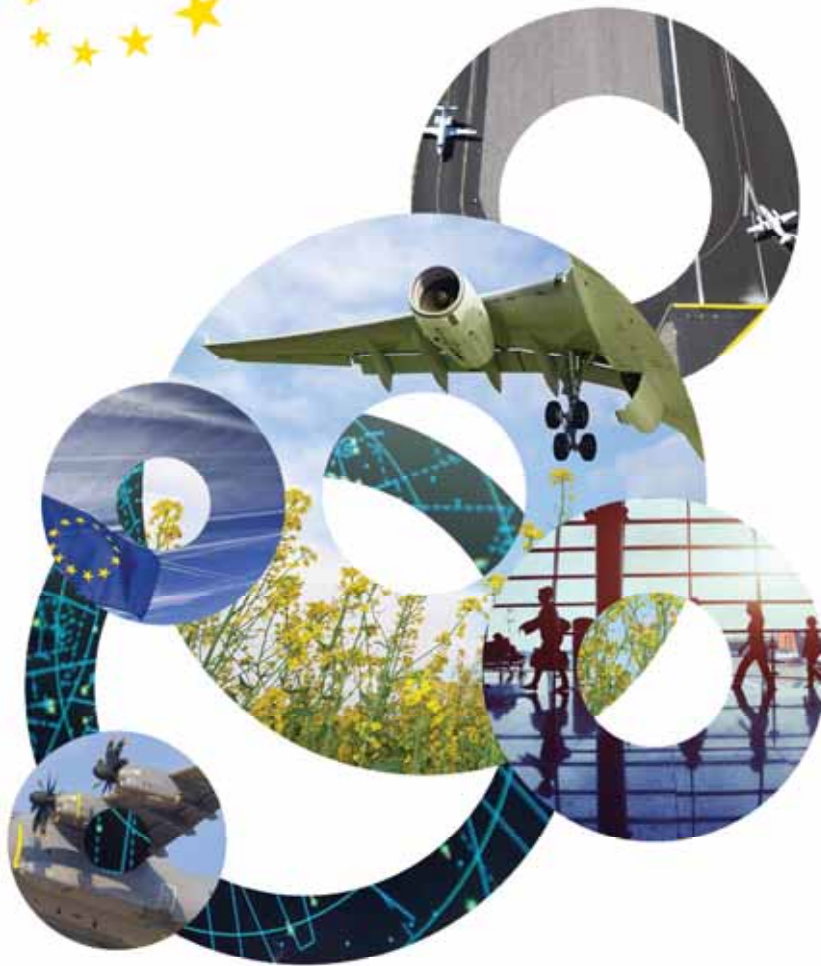
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<http://www.bigdata4atm.eu/>



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**Thank you
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