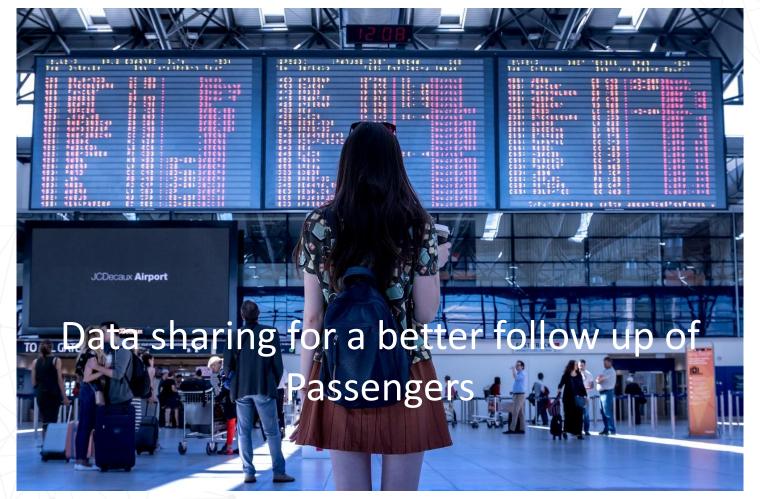


INFODAY 11th september



Presented by Georges Mykoniatis mailto:georges.mykoniatis@enac.fr

Content

- Passenger Centric Approach
- Smart4PAX
- Smart Data sharing: the Backbone

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Passenger Centric Approach

- Project Meta CDM 2012
- Amadeus (a customer-centric approach to irregular operations), Sabre > a customercentric airport, IATA StB : Simplifying the Business, IATA – ACI > NEXTT <u>http://nextt.iata.org/?page=main&data=pass</u> <u>enger</u>
- Intelligent Transport Systems and Services
 World Congress 2014 Helsinky:

Mobility as a Service (MaaS) constitutes the integration of various forms of transport services into a single mobility service accessible on demand





Smart4Pax

Mobility as a service for enhancing passenger experience Healthy, Safe, Secure, Efficient,







Smart for Enhancing Passenger Experience

- New relation to the journey putting the passenger in the centre of the decision-making process,
- Passengers profiles, needs and expectations,
- Health and wellbeing concerns.

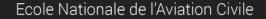




Smart for Safety and Security



 E.g. Secure exchanges to reduce the constraint of controls in the airports and Train stations improve the safety and security holistic survey approach.





Smart for Multi-Modality

 The transportation system is split in various mode of transport, the objective here is to break the walls and offer to the passenger a travel experience that, it deserves

Efficient combination of various transport modes according to passenger expectations, an "Unique electronic ticket » for the whole journey..., environmental issues...



Passenger in the centre of the decision-making process

key stakeholders take decision by taking into account passenger concerns



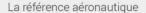
Smart for Mobility As A Service

New set of services for the . traveller journey, new services to facilitate the traveller's empowerment and autonomy. Beyond traditional transport modes organized by operators, additional services indeed provide travellers with means to organise, control and optimise their own doorto-door mobility and to turn their travel time into useful or even enjoyable time.











Smart4PAx - 4 Pillars

- Smart for Enhancing passenger experience, new relation to the journey putting the passenger in the centre of the decision-making process, taking into account Passengers profiles, needs and expectations and also health and wellbeing concerns.
- Smart for Safety and security, (e.g. secure exchanges to reduce the constraint of controls in the airports and Train stations improve the safety and security holistic survey approach)
- Smart for Multi-modality, efficient combination of various transport modes according to Passengers expectations, an "Unique electronic ticket » for the whole journey..., the environmental issues...
- Smart for Mobility as a service, new set of services for the traveller journey, new services to facilitate the traveller's empowerment and autonomy. Beyond traditional transport modes organized by operators, additional services indeed provide travellers with means to organise, control and optimise their own door-to-door mobility and to turn their travel time into useful or even enjoyable time.



Smart Data: The New Travel Journey Backbone





Main Issues

- R&D and Technical Excellence
 - Sensors for collecting information from the passengers and from their behavior
 - Passenger profiling and adaptation of services to their expectations
 - Single ticketing for all transportation mode
 - Investigate how the concept of value of time for long distance multimodal door-to-door passenger trips changes when considering technological and behavioural aspects that influence passenger perception over mobility choices.
 - Optimization multi-constraint
 - Healthcare and wellbeing
 - Collaborating decision making
 - Big data analysis (pre, post and during the journey)
- Research Domain indication





- Focus on new relation to the journey putting the passenger in the Centre of the decisionmaking process, taking into account its profiles its needs and expectations.
- Market innovation and impact
 - Improvement of existing services...
 - New services to imagine and set...
 - Security and safety concerns







Conclusions

- Transport Domain ambition:
 - Passenger Centric Approach
 - Mobility As A Service
 - Smart4Pax is one of the initiatives
- Smart Data sharing : the backbone of the new concepts









- Consortium status:
 - SINTEF (Norway)
 - ENAC (France)
 - YNCREA Méditerranée (France)
 - Montimage (France)
 - Airbus (France)
 - CEA Tech Occitanie (France)
 - VTM-Global (Portugal)
 - IST (Instituto Superior Técnico) (Portugal))
 - Ro Technology. (Italy)
 - Univ. of Parma, (Italy)
 - Università degli Studi dell'Aquila (Italy)
 - Institute of Electronics and Computer Science EDI (Latvia)
 - ASELSAN A.Ş.(Turkey)
 - Marmara University (Turkey)
 - CISC Semiconductor GmbH (Austria)
 - University of Cantabria (Spain)
- Available key players and capabilities
 - On-going: Airports, Cities, Rail (contact with shift2Rail), Road, maritime...
- Missing capabilities and/or partners
 - Health survey during the journey
 - intelligent transport systems (research + industry)
 - Entertainment during the travels

Our team



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Thank you ...



