

„Small Aircraft Transportation in the Future”

Roadmap Conference ILA, Berlin, 13th September 2012

# Welcome and Short Introduction to the SAT- Roadmap Project

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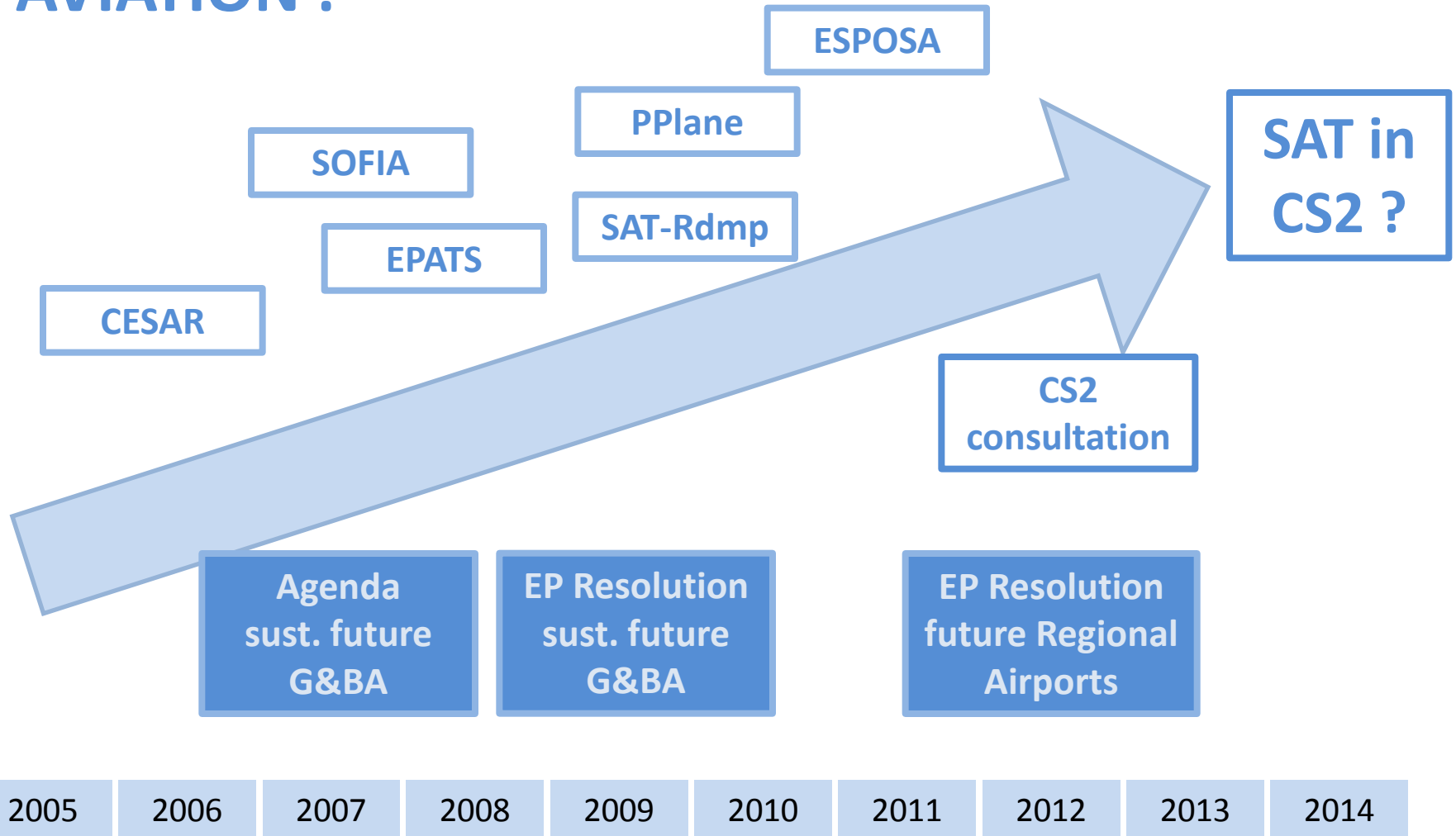
# PROJECTS AND PARTNERS:



Projects funded by European Commission



# EUROPEAN RESEARCH AREA AND GENERAL AVIATION :



## **An Agenda for Sustainable Future in General and Business Aviation – Feb 2009**

- “general and business aviation complements regular air transport performed by commercial airlines”
- „Current regulations govern the operation of highly complex commercial aircraft place a disproportionate burden on operators of small aircraft. Therefore , one-size-fits-all regulatory approaches to different aviation sectors have proven inappropriate!”

## **On the future of regional airports and air services in the EU – May 2012**

- „whereas the connectivity offered by aviation to citizens in EU regions, and in particular in inaccessible regions and islands, is extremely important and helps ensure the economic viability of such areas”;
- „Takes the view that regional airports, should be considered eligible to apply for financing under EU funds, recommends that the Commission take into consideration the opportunities offered by regional airports as part of the European central transport network”;

# CRUCIAL TRANSPORT GOALS IN FP 2050



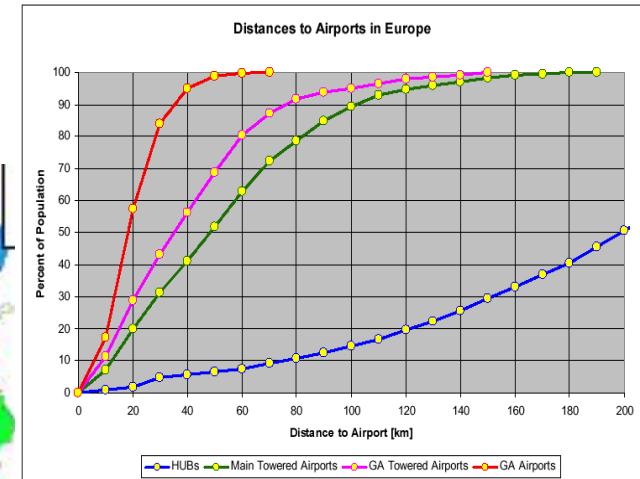
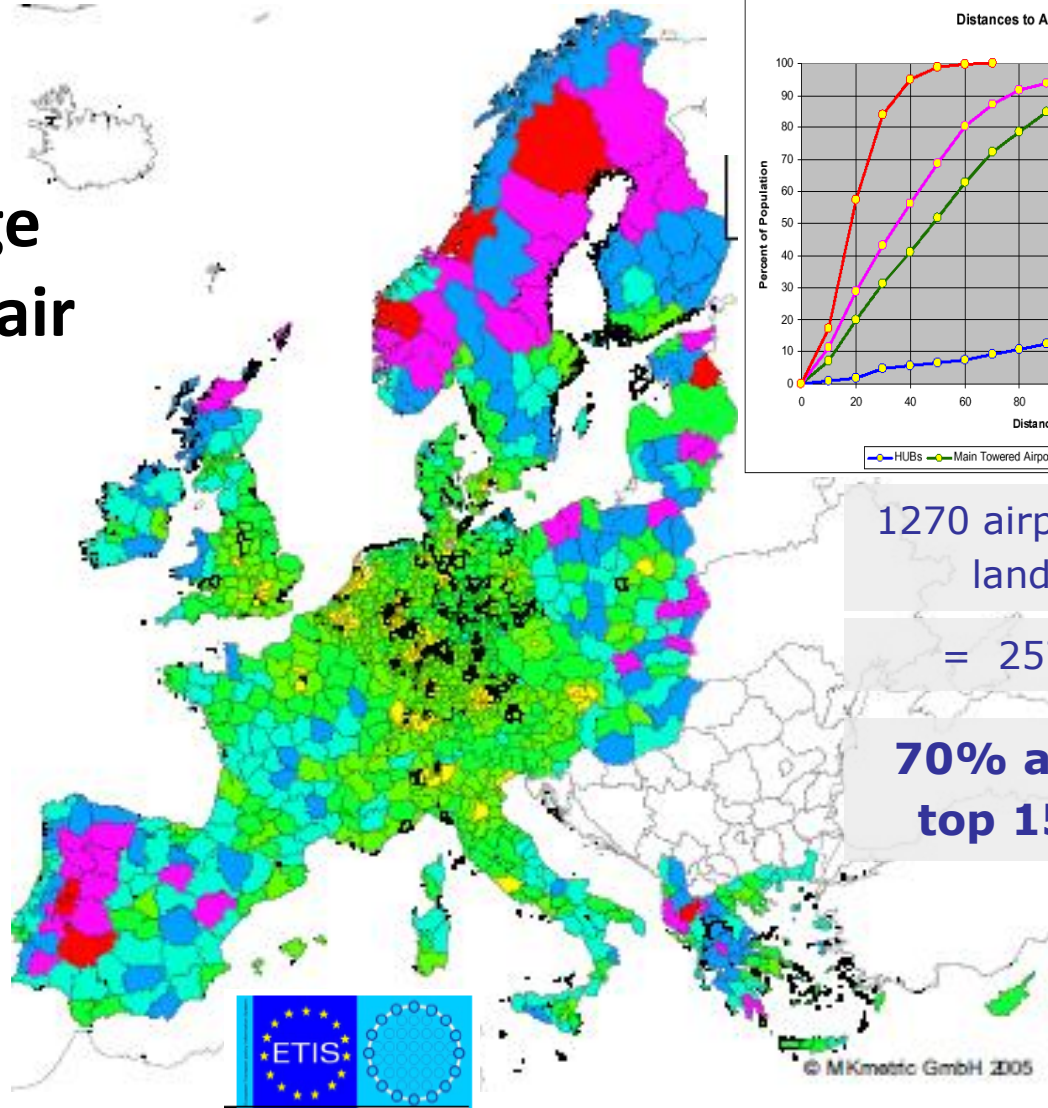
## Meeting Societal and Market Needs

- European citizens are able to make **informed mobility choices**
- 90% of travellers within Europe are able to complete their journey, **door-to-door within 4 hours.**
- Flights arrive **within 1 minute** of the planned arrival time
- Air traffic management system is capable of handling **25 million flights** a year in Europe
- A coherent **ground infrastructure** is developed



# 90% D2D WITHIN 4 HOURS IN 2050 = EUROPEAN PERSONALIZED AIR TRANSPORT SYSTEM

What is average travel time by air transport for regions?



1270 airports and 1300 landing fields

= 2570 airfields

70% air traffic = top 15 airports



# What is the Small Aircraft Transport Mode?

<http://epats.eu>

<http://sat-rdmp.eu>

It is a segment of high-speed transport market,  
that serves local and regional low traffic connections

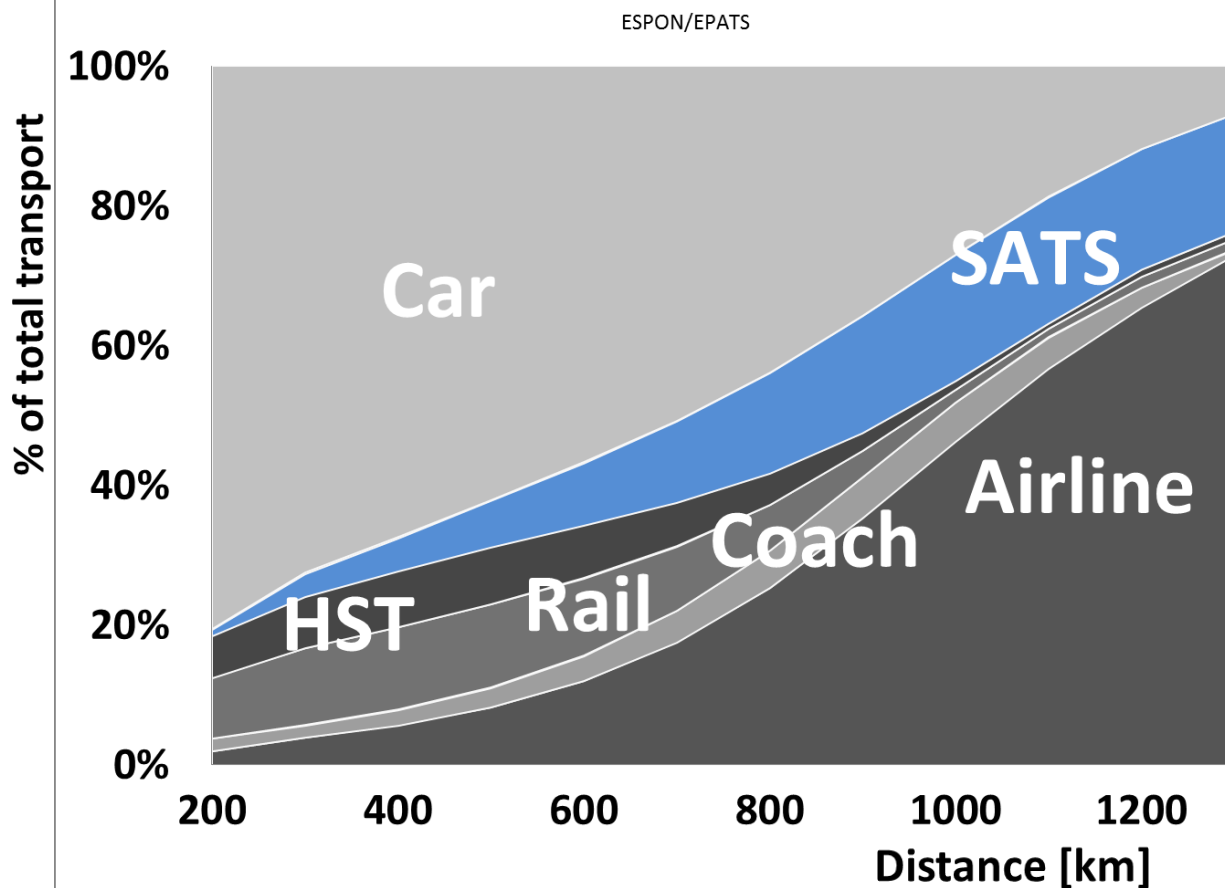
**Aircraft** - small 4 to 19 seats, that are low DOC, green, safe, and secure

**Infrastructure** on the ground and in the air - Regional Airports + ATM/ATC services integrated in SESAR

**Net – Centric Management & Acquisition** – ICT based logistic and management system for SATS, integrated within the SESAR's System Wide Information Management (SWIM)



## Modal split of trips in Europe. 2020



**MAIN  
FINDING**  
**SHORT HAUL  
NICHE**

**MAIN IDEA**  
To shift part of  
long distance  
trips from  
**cars to  
small aircrafts**



# CRUCIAL INDUSTRY GOALS IN FP 2050



## Maintaining and Extending Industrial Leadership

- The whole European aviation industry is strongly competitive

Small aircraft industry should play significant role in fulfilling this goal

- Europe maintains leading edge design, manufacturing and system integration capabilities and jobs
- Streamlined systems engineering, design, manufacturing, certification and upgrade processes have addressed complexity and decreased development costs



# COMMON VISION -> ROADMAP -> PUBLIC



What	What (topics)	To	When
<b>COMMON VISION Workshop,</b> Joint meeting with GA Projects	<ol style="list-style-type: none"> <li>1. European Mobility, Demand, Business Models</li> <li>2. Requirements</li> <li>3. Common Vision on Small Air Transport</li> </ol>	RTD Community, EC, ACARE, Regulators	<b>Sept 2011</b>
<b>ROADMAP Workshop</b>	<ol style="list-style-type: none"> <li>1. Common Vision – refining</li> <li>2. Business scenarios - refining</li> <li>3. Capabilities and Master Plan</li> <li>4. The Technology Roadmap</li> <li>5. Recommendations on SRIA, Horizon 2020, Clean Sky 2</li> </ol>	Manufacturers Community EC, EGAMA, IMG, Operators	<b>July 2012</b>
<b>SAT-RDMP Conference</b>	<ol style="list-style-type: none"> <li>1. Synthesis of Small Air Transport Mode</li> </ol>	General Aviation Community, Public	ILA Airshow <b>Sept 2012</b>

# MAIN GOAL OF THE CONFERENCE:



Discuss with representatives of the SAT Community (Industry, Research, Academia, SME), EC, Regulators, Operators to build up a “Common” shared view on

## **SMALL AIRCRAFT TRANSPORTATION SYSTEM**

as a component of the Customer - Oriented European Air Transport System,

# AGENDA:



Conference moderator: Mr Adriaan de GRAAFF (Ad Cuenta)			
<b>10:00</b>	Registration		30 min
<b>10:30</b>	Welcome	Krzysztof PIWEK (IoA)	15 min
<b>10:45</b>	Vision for the development of SATS in Europe	Marcello AMATO (CIRA)	30 min
<b>11:15</b>	The technology roadmap and future Research actions	Aniello COZZOLINO (Piaggio)	30 min
<b>11:45</b>	Industrial consequences and cooperation on SATS	Mariusz KUBRYN (PZL M)	30 min
<b>12:15</b>	Questions and answers		15 min
<b>12:30</b>	Time for discussion		60 min
<b>13:30</b>	Closure		

# THANK YOU FOR ATTENTION

# I WISH YOU FRUITFUL DAY

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