



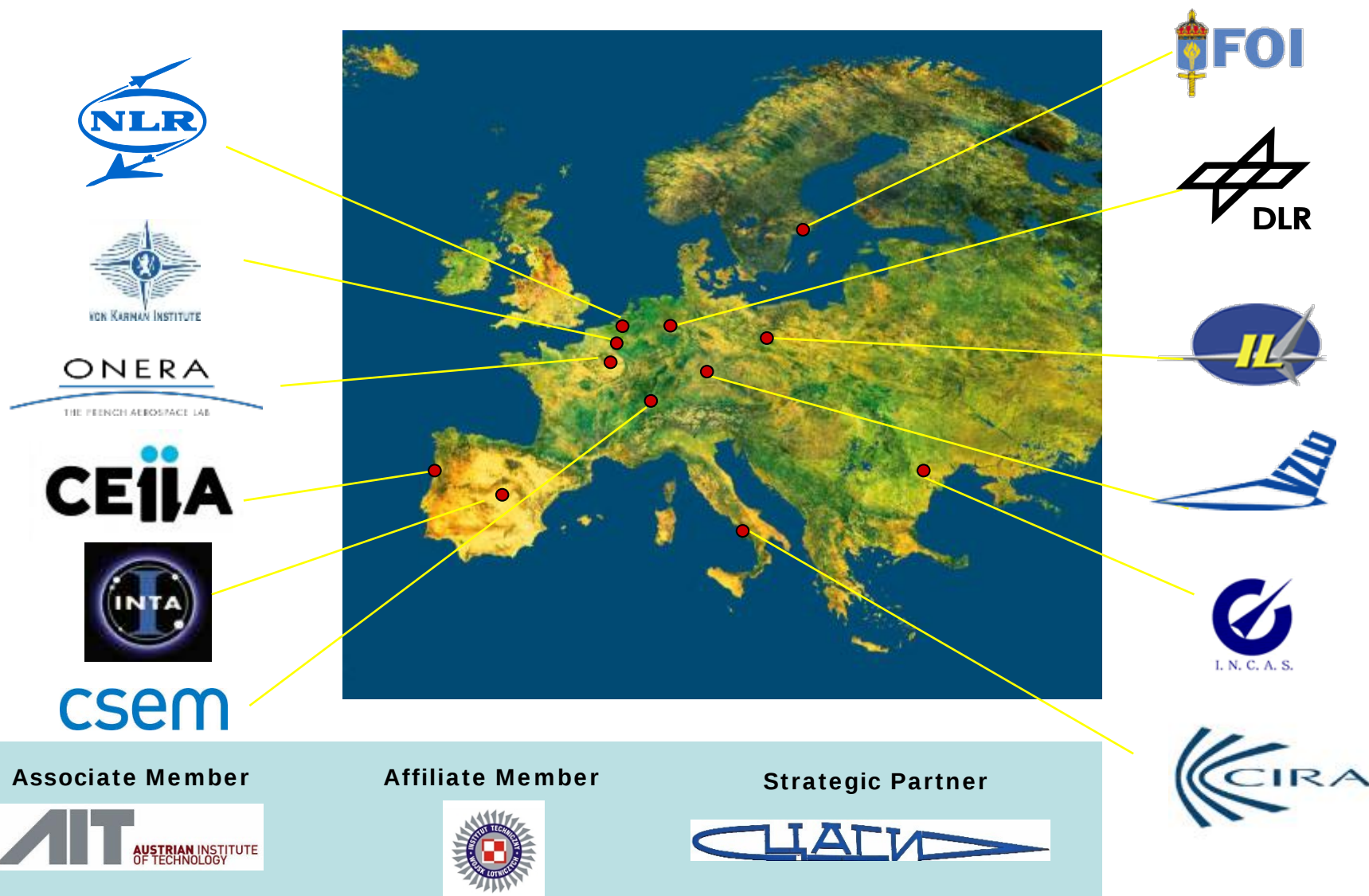
Association of
European Research Establishments in Aeronautics

EREA & FUTURE SKY

Josef KASPAR
Chairman of EREA / VZLU



Association of European Research Establishments in Aeronautics





EREA Objectives

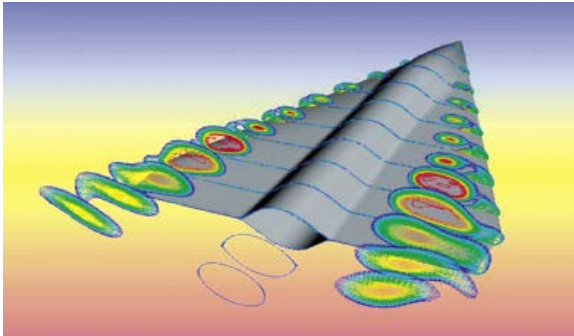
EREA is a non-profit association with the objectives :

- **to promote and represent the joint interests of its members**
- **to intensify the co-operation between its members**
- **to improve and intensify the co-operation between EREA and third parties**
- **to facilitate integrated management of joint activities**

**CONTRIBUTING TO EUROPE'S ROLE AS A GLOBAL PLAYER
IN AERONAUTICS**



Multi-disciplinary Research



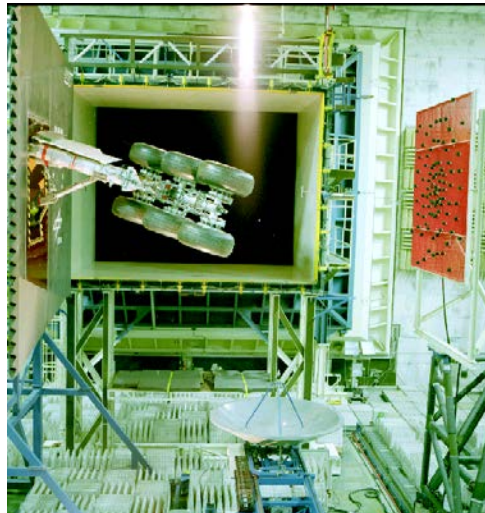
Aerodynamics



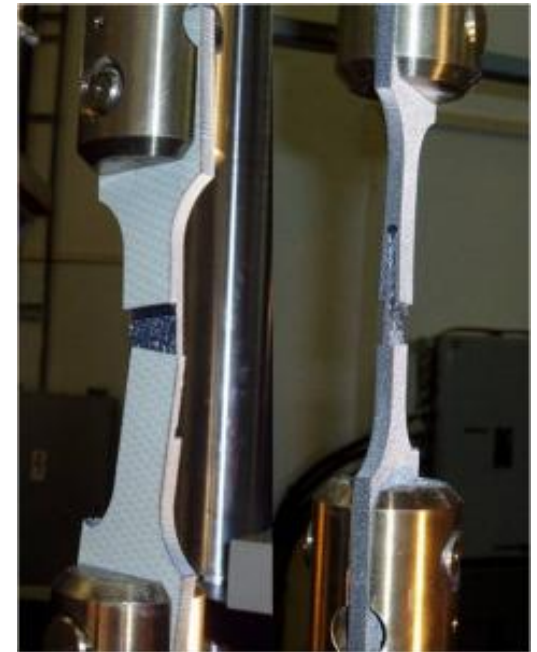
Flight Mechanics



Ground Testing

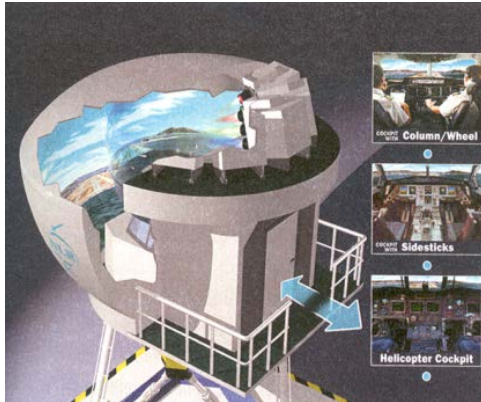


Acoustics



**Materials &
Structures**

Multi-disciplinary Research



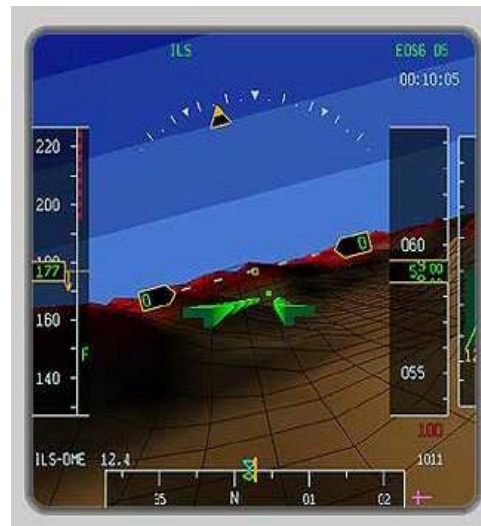
Simulation



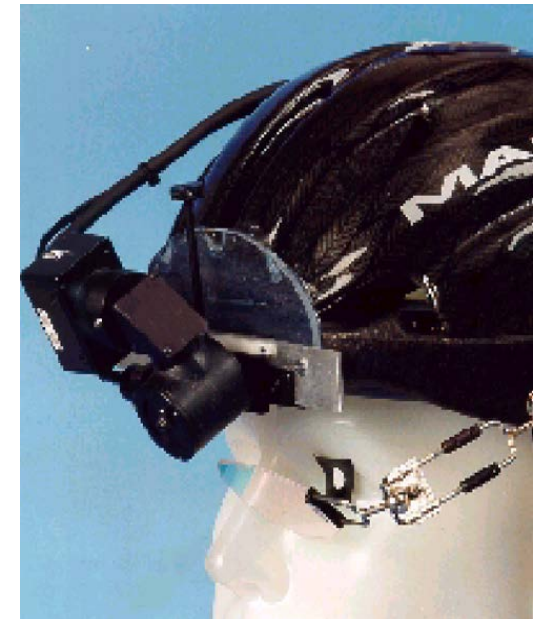
Flight Tests



Propulsion



Avionics



Human Factors

Multi-disciplinary Research



Aircraft Operations



Safety



**Air / Airport Traffic
Management**

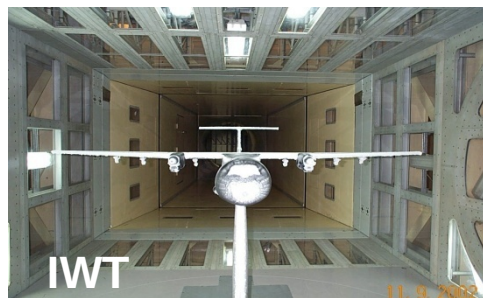


Security



Environment

Research Infrastructures





EREA in numbers

4.527

Employees in Aeronautics

211

Number of PhD Thesis

342

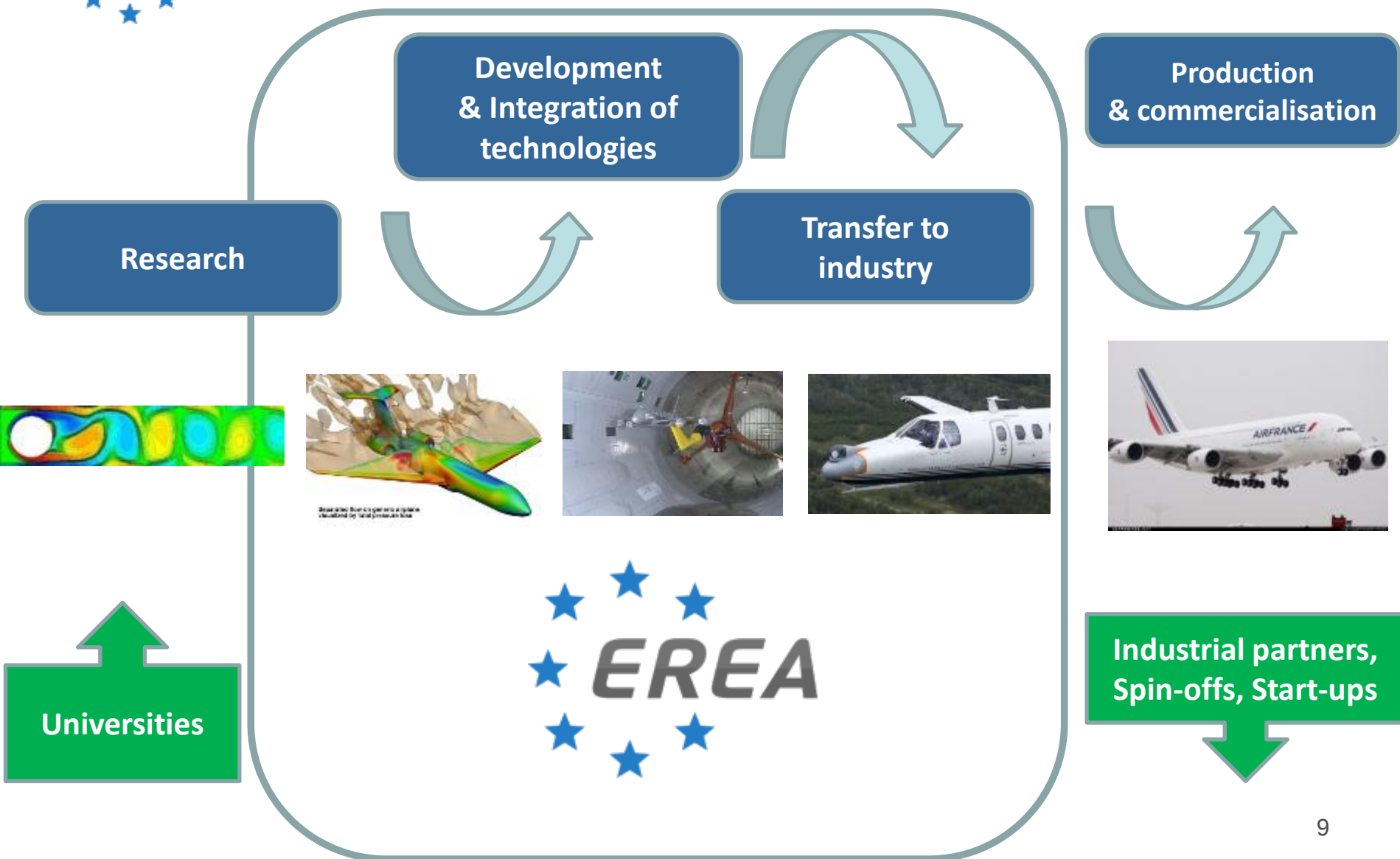
New Patents

15.151

Number of Publications



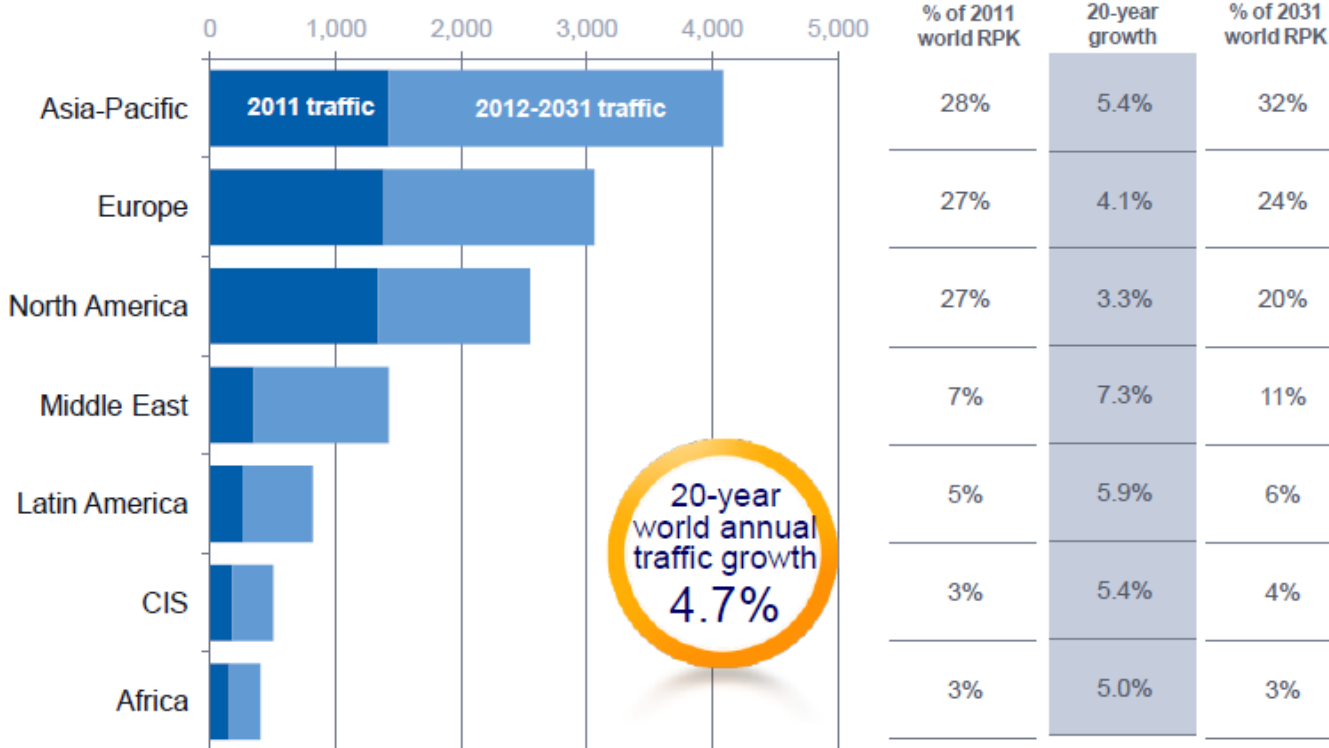
The position of EREA



Growth of Air Traffic

Asia-Pacific airlines to lead in world traffic by 2031

World Traffic by airline domicile (RPK billions)



Source: Airbus



Vision & Strategy





Future Sky goals

Vision

Definition of technologies and systems, processes of Flightpath 2050

Knowledge

Develop the knowledge for the next ATS generation including complex testing and validation capabilities

Contribute to the education of future engineers

24/7

Attraction

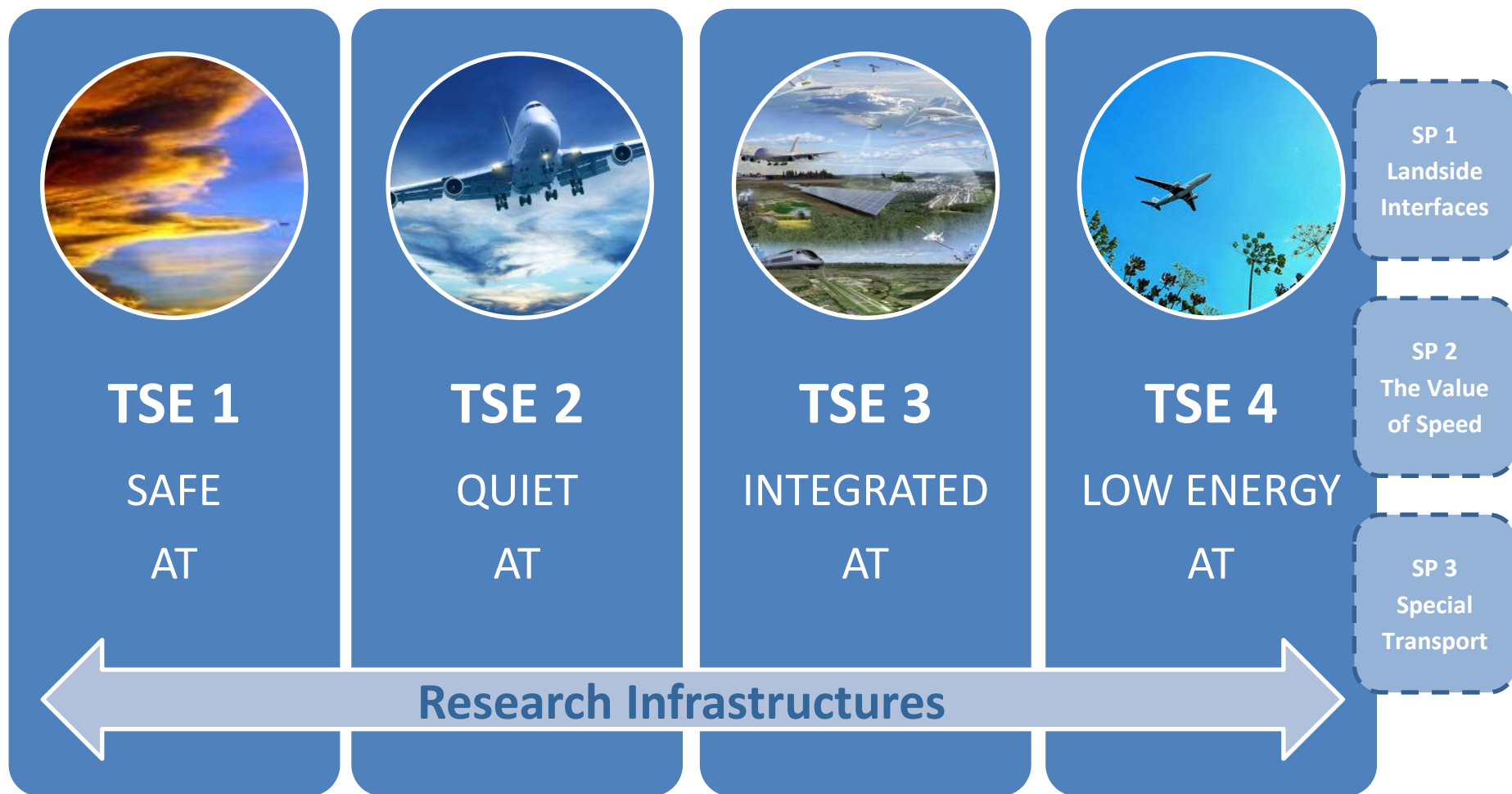
Make aviation fascinating for the public and attracting the young generation

Competitiveness

Analyse and prepare the scientific technological ground for future ATS beyond Clean Sky and SESAR

Programmatic outline

Enablers and Support Projects for 24/7 ATS



SP = Support Project
TSE = 24/7 Enablers



Association of
European Research Establishments in Aeronautics

www.EREA.org

contact@erea.org

Josef KASPAR

Chairman of EREA / VZLU