

**Organizers:**

*Centro di Ricerca Aerospaziale della Sapienza (CRAS)*

Francesco Nasuti (Director CRAS)

Paolo Gaudenzi (CRAS, AAE)

*Air and Space Academy (AAE)*

Eric Dautriat (Vice-President, AAE)

Francesco Grasso (AAE, member of the European Action Committee)

Antonio Vinolo (Honorary Member, AAE)

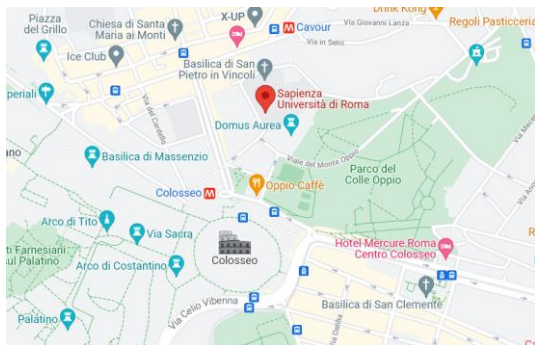
**Venue :**

Sala del Chiostro

Facoltà di Ingegneria Civile e Industriale

Via Eudossiana 18

00184 Roma



**Académie de l'air et de l'espace**

**Air and Space Academy**



# **Decarbonizing Air Transport and Reaching Autonomous Human Spaceflight : Two Topical Challenges for Europe**

*A meeting organized by the **Air and Space Academy** and the **Center of Aerospace Research of Sapienza University of Rome***

April 24, 2024

9:30

Sala del chiostro

Facoltà di Ingegneria Civile Industriale

Roma





## Académie de l'air et de l'espace

### Air and Space Academy

The Air and Space Academy is composed of members who hold or have held significant responsibilities in their respective fields related to aeronautics and space in Europe.

From a wide variety of backgrounds, engineers, industrialists, researchers, managers, pilots, astronauts, doctors, lawyers, economists, journalists, writers and artists all work together.

They constitute a pool of knowledge unique in Europe aimed at promoting and furthering the development of high quality scientific, technical, cultural and human activities in the fields of Air and Space.



## Programme

### 9:30 Welcome of guests

### 9:45 Welcome address

- Carlo Massimo Casciola (Dean of the Industrial and Civil Engineering School, Sapienza)
- Francesco Nasuti (Director of CRAS, Sapienza)
- Antonio Vinolo (Honorary Member, AAE)

### 10:15 Green Aviation

- *The Decarbonization of the Aviation Sector*, Eric Dautriat (AAE)
- *New challenges for future aircraft design and operations within the Sustainable Mobility (MOST) program*, Franco Mastroddi (Sapienza)
- *Horizon 2020 - Clean Sky 2 – New advanced green generation of Regional Aircraft*, Giovanni Cerino (Leonardo)

### 11:30 Coffee Break

### 11:45 Human Space Flight

- *European Human Space Flight*, Jurgen Ackermann (AAE)
- *Space Biomedicine and the challenges of the ARTEMIS program*, Mariano Bizzarri (Sapienza)
- *Space Exploration: executive summary of the Torino Conference*, Eric Dautriat (AAE)
- Massimo Claudio Comparini (Thales Alenia Space Italia)

### 13.05:-13:30

### Closing remarks: European perspectives in aviation and human spaceflight

- Mario Cosmo (ASI)
- Paolo Gaudenzi (AAE, Sapienza)
- Francesco Grasso (AAE)
- Francesco Marulo (AIDAA)



SAPIENZA  
UNIVERSITÀ DI ROMA

### CRAS Centro di Ricerca Aerospaziale Sapienza

CRAS is the interdepartmental center of Sapienza for research in the aerospace sector. Its aim is to coordinate the aerospace research, achieve appropriate synergies, and provide a strong and unified visibility to the activities carried out in this sector in Sapienza.

Founding on the long tradition of Sapienza in aerospace, CRAS host more than 100 researchers working in all fields of interest in aerospace, often with internationally recognized results of excellence.

Research areas cover the fields of physics; computer science and systems engineering; information engineering, electronics, and telecommunications; mechanical and aerospace engineering; civil, construction and environmental engineering; structural and geotechnical engineering; experimental medicine; molecular and clinical medicine; chemistry; political science.

