



Spanish Centers of Excellence for Aviation

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AESA CENTERS OF EXCELLENCE

➔ WHAT THEY ARE?

Research and development networks promoted and led by AESA and coordinated and supported by Universities and Industry



➔ WHICH ARE THEIR OBJECTIVES?

Support the definition of future strategies and research priorities in line with the challenges of the aeronautical sector and its industry.

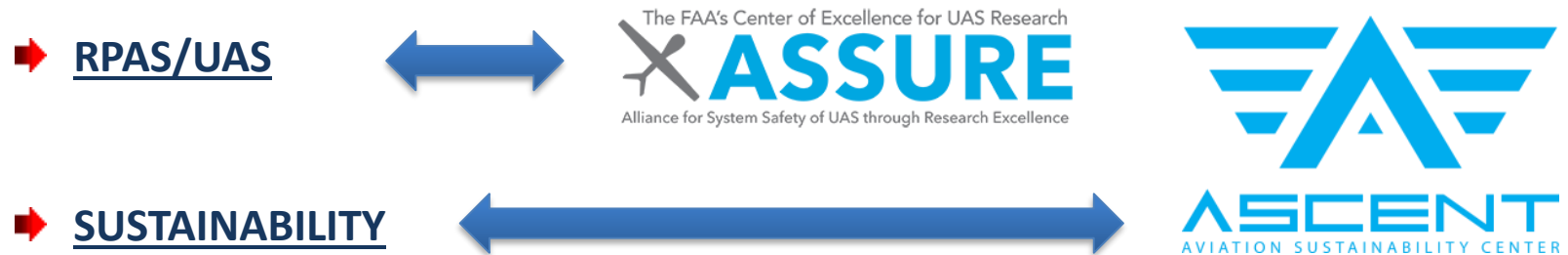
Coordinate with all national stakeholders in identifying and defining potential research and development needs.

➔ RESOURCES

AESA does not have a specific research budget, which is taken in each case from national and EU research funds. The CoE's role is coordinate and identify priorities and each participant commits the necessary resources to do so.

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ALREADY CREATED TWO



OTHER AREAS TO COME

- ➔ SECURITY – CYBERSECURITY - FACILITATION;
- ➔ MATERIALS,
- ➔ HUMAN FACTORS;



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SUSTAINABILITY



SPECIAL FOCUS ON: SUSTAINABLE AVIATION FUELS (SAF)

➔ ARTEMISA PROJECT

➔ ALTERNATE PROJECT



ARTEMISA PROJECT

✓ Analyze the viability and establish a plan for **SAF produced from Municipal Solid Waste** in Madrid

- Identify available conversion technologies
- Perform a costs analysis and identify requirements of the facilities and technical specifications of the waste material
- Establish a development roadmap with milestones and needs



ARTEMISA

DISCUSSIONS
ONGOING AMONG:



ARTEMISA PROJECT

AREAS OF RESEARCH OPPURTUNITY:

- ✓ Municipal Solid Waste Composition and management
- ✓ Scalability of large-scale use of renewable hydrogen
- ✓ Potential of MSW to Jet in island territories:
 - Spain has two archipelagos: Canary and Balearic islands
 - ICAO is interested in promoting case-studies
 - ASCENT has already worked on this field (Univ. of Haway)



ARTEMISA



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