

STAVE

Space Transportation Assets Valorisation in Europe

UNITING EUROPE IN SPACE

Even when Europe was divided by the Berlin wall, Europeans shared a common passion for space. Today a united Europe reaches for new horizons, which is why the need to benefit from the space skills which exist in Central and Eastern European countries is imminent. The project STAVE facilitates such an exchange of knowledge, as it undertakes a comprehensive mapping of the human and technological resources that New EU Member States possess in the area of Space Transportation.

Some thirty years ago the son of a Czech mother and a Slovak father, **Vladimír Remek**, became the **first European Astronaut** from outside the superpowers. For more than seven days he circled the Earth onboard the Soyuz 28 spacecraft.

Space exploration is strongly rooted all across Europe, and as European space endeavours move forward, harvesting knowledge and potential in Central and Eastern European countries is key to success.

Focussing on the area of Space Transportation, which is essential for future European missions to the Moon and Mars, **the STAVE support action aims at identifying, evaluating and valorising space skills in the New Member States**, taking a closer look at research laboratories, universities, research institutions as well as SMEs and industry that may add value to joint European undertakings. A qualified mapping of technical skills applicable to Space Transportation will be carried out.

In particular, the mapping will include a **focus on novel techniques and methodologies** that are potentially applicable to heliothermic propulsion, and new generations of solid, electric and cryogenic propulsion.



Europeans share a common passion for space.
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Hence STAVE contributes to achieving the overall European Space Policy objective of **maintaining an independent European access to space**, whilst also facilitating European efforts in the area of technologies for European strategic non-dependence.

The consortium behind STAVE is composed of partners from France, Germany and Italy that represent 90 percent of European efforts in the Space Transportation domain. In accordance with existing national and European Space Agency roadmaps, this team will **outline scientific and technological needs** that might be filled by Central and Eastern European expertise in the Space Transportation area.

Further to the scientific mapping, STAVE also includes important outreach elements, as effective dissemination of its results is key to its success.

History shows Europe is stronger united on the ground. With STAVE, the case is made for a strong and united Europe in space.



MICHEL PONS
IS PROJECT COORDINATOR

QUESTIONS & ANSWERS

What do you want to achieve with this project?

STAVE aims at a wider participation of European New Member States (NMS) in European Access to Space, and provides for a double mapping: existing skills and capacities useful for Space Transportation in the 12 European NMS are identified together with all the existing or future programs in Europe.

Why is this project important for Europe?

Space Transportation is a European Strategic priority and highlighting the stakes enables strategic decisions for participation in large developments of the future. Europe must benefit from the diversity of its technological culture, enhancing the capacity of innovation.

How does your work benefit European citizens?

This project aims at enhancing research and industry in the Space Transportation domain, favouring innovation and technological development through more integration of all potential actors, enhancing knowledge, integration, worldwide competitiveness and therefore also the economy.

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LIST OF PARTNERS

- Centre National d'Etudes Spatiales (CNES), France
- A.S.I. - Agenzia Spaziale Italiana, Italy
- Deutsches Zentrum für Luft- und Raumfahrt (DLR), Germany

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PROJECT INFORMATION

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