

## Towards a Skilled Europe for Space Innovation

**ASTRAIOS**, is a Horizon Europe Coordination and Support Action (CSA) which successfully kicked-off in January 2023 and will run until December 2025.

It aims to provide an exhaustive view and understanding of the current and future **offer of Space curricula and courses in the EU-27**. The project will characterise the **demand from the European Space industry** and identify actionable ways towards **better alignment** between the educational offer and the skills required by the future European space industry. This will **foster innovation and increase EU competitiveness in the space sector**.

The project will start by **mapping** the educational offer across the EU-27 at at Bachelor, Master, postgraduate and continuing education levels. This will include measuring the average time and cost required for a degree leading to a career in the space sector. A **socio-economic analysis** of the population of students enrolled in space-related studies will be performed, which will create a **Europe-wide space competencies and skills taxonomy** within the European academic offer for the space sector.

The project will then analyse **future trends and challenges of the EU space sector**. The analysis will cover current and future needs in both technical skills and soft skills, such as collaborative working, multicultural aspects, multidisciplinary approaches, creative thinking, etc. that future European students and professionals will need to develop.

Based on the identification and understanding of future needs, the project will carry out a **full assessment of the adequacy between space curricula and sector needs**. This will enable the harmonisation of the industry needs and educational offer across the EU-27 over the next 10-15 years and include the standardizing of **career opportunities** for students enrolled in European universities. The project will also develop course modules related to Earth Observation (EO) and Positioning, Navigation and Timing (PNT) to promote space jobs and careers.



**ASTRAIOS** will carry out actions towards a better alignment between the European space sector's curricula and the skills required by the future EU space sector and develop new material to promote space related jobs and careers, as well as educational material for the Copernicus and Galileo services.



## Towards a Skilled Europe for Space Innovation

**ASTRAIOS** will be implemented thanks to a **highly competent consortium** that directly connects to all major space related educational institutions in Europe. It will generate impactful results that will benefit the **European education landscape and the space community at large.**

The project also has the necessary **networks and deep knowledge of the entire space industrial** application sectors, to cover the complete EU industrial base and produce actionable recommendations for decision and policy makers as well as for educational and industry regulators alike.



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**ASTRAIOS** is coordinated by the European Science Foundation (ESF).

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