

# TOWARDS A SKILLED EUROPE FOR SPACE INNOVATION

## ASTRAIOS

Analysis of Skills, Training, Research and Innovation Opportunities in Space

### ABOUT ASTRAIOS

The advancement of the EU space sector is highly dependent on the availability of high educational standards, skilled professionals and the possibility for these professionals to upgrade and update their skills.

The ASTRAIOS project will foster innovation, increase EU competitiveness in the space sector and improve the dynamics of the space entrepreneurship ecosystems.

To achieve this, the ASTRAIOS team will provide an exhaustive view and understanding of the current and future **Space curricula and courses offered in the EU-27**. The project will also describe the need from the **European Space industry in the next 10-15 years** and identify actionable ways towards a **better alignment** between the offered educational programmes and the skills required by the future European space industry.

### OUR WORKPLAN

#### Status-quo Analysis

Map, assess and analyze the current space curricula and courses offered in the EU-27, including demographics, stock & flows, success rates and career opportunities, leading to the creation of a benchmark for space education in Europe.



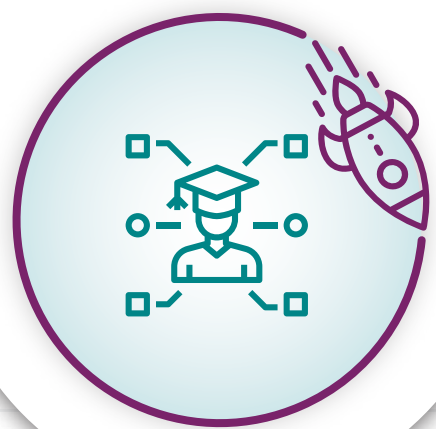
#### Trends & Challenges

Locate the main trends and challenges in space programmes and technologies, to pave the way towards an optimal match between skills offer and workforce demands in the space sector.



#### Gap Analysis and Recommendations

Identify main gaps in terms of skills and re-skilling needs, geographical gaps and student mobility, diversity, inclusion and equality, leading to improved decision making at institutional level.



#### Initiatives

Pinpoint keyways forward, towards the harmonisation of the European space sector's curricula, qualifications and skills required to create a pool of highly skilled professionals that will positively impact Europe's growth potential and capabilities in space.



### EXPECTED RESULTS & IMPACTS



A structured online database for searching and retrieval of the offered space education.



Europe-wide space sector taxonomy of competencies and skills.



Concrete recommendations for the harmonization of space curricula in the EU.



New educational material for Copernicus and Galileo.



Promotion of space studies and careers.



Reduced friction on the space job market and bridged gap between finishing education and entering job employment.



Improved public awareness of the European capabilities in the space sector.

### OUR PARTNERS



### LET'S CONNECT HERE!



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36 months



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