

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
In Orbit - Postgraduate Space Education (4)

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FROM THE EDUCATIONAL GAP IN THE SPACE ECONOMY TO THE ESTABLISHMENT OF A
SPACE ECONOMY NETWORK. THE INNOVATIVE AND WORLDWIDE PLAN OF THE
ISPACESCHOOL.

Abstract

The global space sector is booming. Over eighty countries have at least one satellite in orbit. The investments from both public and private entities in the sector reached the highest levels over the last years and in 2019 the Space Economy registered an economic impact of over 400*Billion*.

While the current educational offer focuses on the engineering and technical aspect of the space activities, a dedicated educational focus on the Space Economy itself is still missing. The IspaceSchool aims at reducing the educational gap in this sector. By the utilization of a completely online educational platform, the School offered the first in the world Master in Space Economy. In the long-term, the School aims at becoming the Point of Reference in the sector of the Space Economy for Education and Industry, collecting all industries and organizations within a common network, and support the Space Economy growth and transformation with more dedicated activities and courses.

The School offers education in a completely remote way: classes are accessible by anyone in the world. Moreover it implements a rotational system allowing monthly intakes, giving the students the flexibility to start anytime during the year. The lecturers are Doctors, coming directly from the Space Industry, Space Lawyers, top economist and Forbes list makers, giving the Master an added value, more than a traditional university's education would do.

The Master lasts two months: one month is about lectures and one month is dedicated to a Project Work. The topics of the master cover both the technological, the economic and the legal aspects of the Space Economy. The Project Work is structured in order to address the individual needs of the students, who get advises from the experts. Next to the Master, a series of Webinars are organized.

The School doesn't do this alone: several partnerships are in place, symbol that the space education shall be a tool known and accessible by anyone.

The paper addresses the educational gap in the Space Economy, and how the School intends to reduce it. It addresses the innovative and attractive teaching model and the steps to become the Point of Reference at worldwide level in this sector, grouping all the space actors under the same networking umbrella. The school wishes to demonstrate once again that Space is a world for collaboration: the paper describes the partnerships that have been established with other organizations at worldwide level.