

## PLANNED PROJECT OUTPUTS

According to the specific project objectives the following tangible outputs and intangible outcomes within the framework of development are planned:

- Analysis and upgrade of the current curricula in the target field according to the recent advances in the target field
- 14 new developed core curricula and 7 transferable modules including learning environment: ROBOLAB\*
- Retrained academic teachers in new curricula and b-learning methodology
- Conducted master classes and pilot teaching/operation of ROBOLAB
- Established joint WEB based platform in full operation
- Established TETRO\*\* with stakeholders support



## JOINT PROJECT CURRICULA REFORM

Applied curricula in space exploration and intelligent robotic systems

[apple.erasmus.plus](http://apple.erasmus.plus)

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## CONTACTS

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2016  
2017  
2018  
2019

\* Space Robotics Laboratory  
 \*\* Technology Transfer Office



## WIDER OBJECTIVES

To ensure that the partner universities in Belarus, Kazakhstan and Russia can offer new applied curricula in space exploration and intelligent robotic system in line with the modern development in the area and the market demand, according to the Bologna principles and EU 2020 strategy

## SPECIFIC OBJECTIVES

- To analyse educational needs in the target field; review the current curricula
- To update current programmes and curricula according to recent advances in the target field by the end of the second project year
- To develop, implement and accredit new practice oriented and student- focused core and transferable curricula and modules including ECTS and innovative academic environment according to the B-Learning methodology
- To bring the Higher Education Institutions of Partner Countries closer to the Labor Market



## CONSORTIUM

### EU Partners:

- Technische Universität Berlin, DE
- Université Pierre et Marie Curie, Sorbonne Universités, FR
- Institute Thomas More, BE
- Riga Technical University, LV
- Tallinn University of Technology, EE
- ECM Space Technologies GmbH, DE



### Partner Countries' Organizations:

- Al-Farabi Kazakh National University, KZ
- Almaty University of Power Engineering and Telecommunication, KZ
- L.N. Gumilev Eurasian National University, KZ
- Ural Federal University named after the first President of Russia B.N. Yeltsin, RU
- Kazakh National Technical University after K.Y.Satpaev, KZ

## CONSORTIUM

- Siberian Federal University, RU
- Peter the Great St. Petersburg Polytechnic University, RU
- Federal state educational organization of higher education «South-West State University», RU
- Belarusian State University, BY
- Belarusian National Technical University, BY
- Belarusian State University of Informatics and Radioelectronics, BY
- Joint-Stock Company «National Center of Space Research and Technology», KZ
- Geoinformation systems, BY
- Ministry of Education and Science of Belarus, BY
- Aerospace Committee Ministry of Investments and Development of the Republic of Kazakhstan, Kazcosmos, KZ
- Ministry of Education and Science of the Republic of Kazakhstan, KZ
- Ministry of Education and Science of Russian Federation, RU
- GLAVKOSMOS Joint Stock Company, RU
- Research and Production Center Small Satellites Limited Liability Company, RU



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