



ENGINEERING CONSULTING AND MANAGEMENT
FOR SPACE TECHNOLOGIES

Company Profile



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Kick-off meeting CUPAGIS
18-19 February 2019
Tallinn, Estonia





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COMPANY PROFILE

- ECM space technologies GmbH is an independent company, established in 2008 as a spin-off from the department of Aeronautics at the Technical University of Berlin.
- In 2016-2018 ECM launched more than 70 CubeSats and Small Satellites.
- The company also develops and builds separation systems
- The company is extremely successful in the field of consulting and technology transfer.





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CERTIFICATE OF DISTINCTION FROM TU BERLIN

ECM received
a **Certificate of Distinction** from
Technical University of Berlin
as an excellent
TU Berlin start-up
in 2014





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MAIN DEPARTMENTS OF THE COMPANY

- Space engineering, small satellite design & manufacturing, robotics and launch service
- EU Research and Education projects management (participant of 16 EU projects: 7 TEMPUS, 3 Erasmus+, 1 Erasmus Mundus and 5 FP7)
- International Training Center (ECM European Academy)



International Cooperation in Education, Research and Innovation Projects

•ECM space technologies GmbH provides and supports international research and education activities. The company develops new mechanism for stimulating the cooperation between academia and enterprises, is actively involved in European Union education and research programs as a small-medium enterprise.



Erasmus+



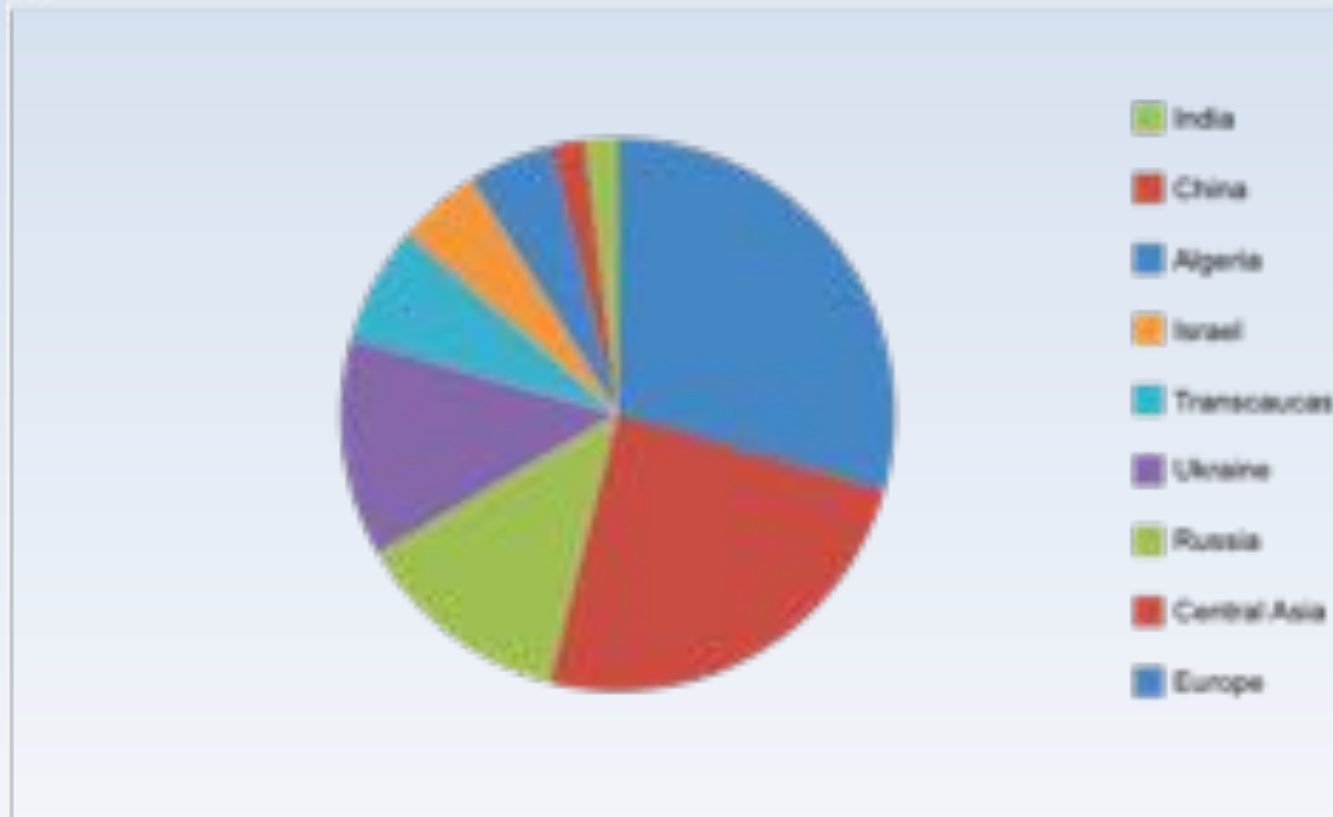
European
Research Area



Tempus

International Cooperation in Education, Research and Innovation Projects

More than 100 partners of ECM in 28 countries



International Cooperation



Some of Education, Research and Innovation Projects 2007 - 2021



FP7 "LIGHT-TPS"	Super light-weight thermal protection system for space application
FP7 "SEAM"	Small Explorer for Advanced Missions
FP7 "POPDAT"	Problem-oriented Processing and Database Creation for Ionosphere Exploration
FP7 "MEDEO"	Methods and Tools for dual access to the EO databases of the EU and Russia
FP7 "SEOCA"	GEO capacity building initiative in Central Asia



TEMPUS "SESREMO"	Strengthening education in space-based remote sensing for monitoring of eco systems
TEMPUS "MMATENG"	Modernization of two cycles (MA,BA) of competence-based curricula in material engineering according to the best experience of Bologna process
TEMPUS "NETCENG"	New Model of the Third Cycle in Engineering Education Due to Bologna Process

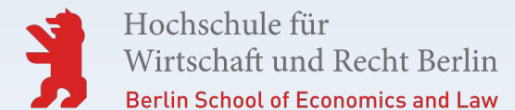
Some of Education, Research and Innovation Projects 2007 - 2021



Erasmus+

ERASMUS+ "CUPAGIS" <small>SELECTION RESULTS 2018</small>	New Curricula in Precision Agriculture Using GIS Technologies and Sensing Data
ERASMUS+ "NICOPA" <small>SELECTION RESULTS 2018</small>	New and Innovative Courses for Precision Agriculture
ERASMUS+ "CRENG" <small>SELECTION RESULTS 2018</small>	Crisis and Risks Engineering for Transport Services
ERASMUS+ "APPLE"	Applied curricula in space exploration and intelligent robotic systems
ERASMUS+ "TUTORIAL"	STrengthening Network EdUcaTiOn, Research and Innovation in Environmental HeALTH in Asia
ERASMUS+ "DOCMEN"	Development of two cycle innovative curricula in microelectronic engineering

International Cooperation





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International Cooperation



UNIVERSITY OF TWENTE.



INTERNATIONAL TRAINING CENTER – ECM EUROPEAN ACADEMY

Since 2012 ECM organizes/conducts periodic intensive courses to train academics, administrative staff of HEIs, graduate engineers and other target groups on improving their professional competence in different thematic fields



POSSIBLE ROLES OF ECM IN INTERNATIONAL EDUCATIONAL PROJECTS

ECM has experience in the following activities:

- Quality Assurance System development
- Quality Strategy Plan development
- Management of projects' websites and Virtual Classrooms
- Monitoring project implementation by partners
- Development of business model/planning and services for universities
- As a business company ECM ensures connection of university students and graduates with industry in target areas, labour market and potential employers
- Providing 3U CubeSat technology for laboratory workshops in target fields
- Ensuring communication between partners





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THANK YOU FOR YOUR
ATTENTION!



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