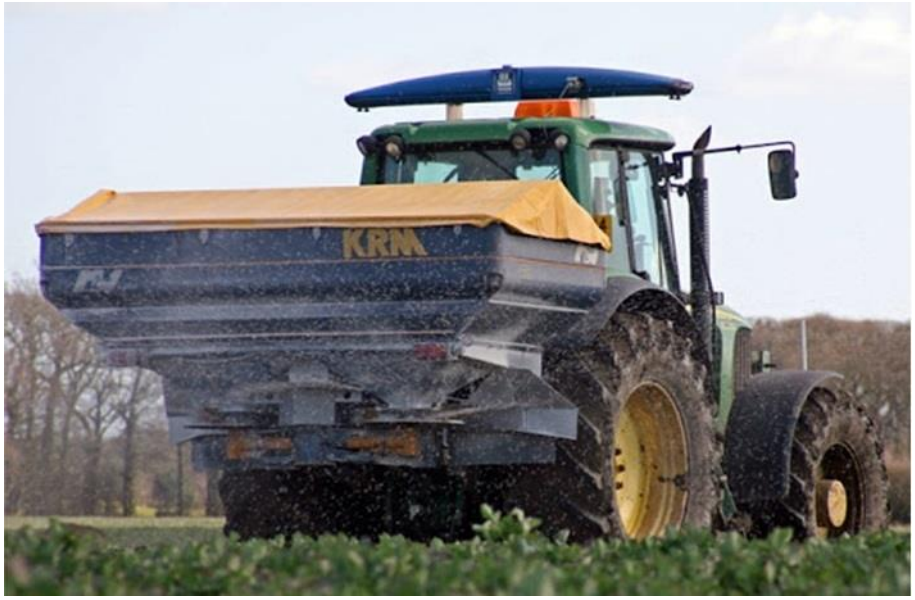
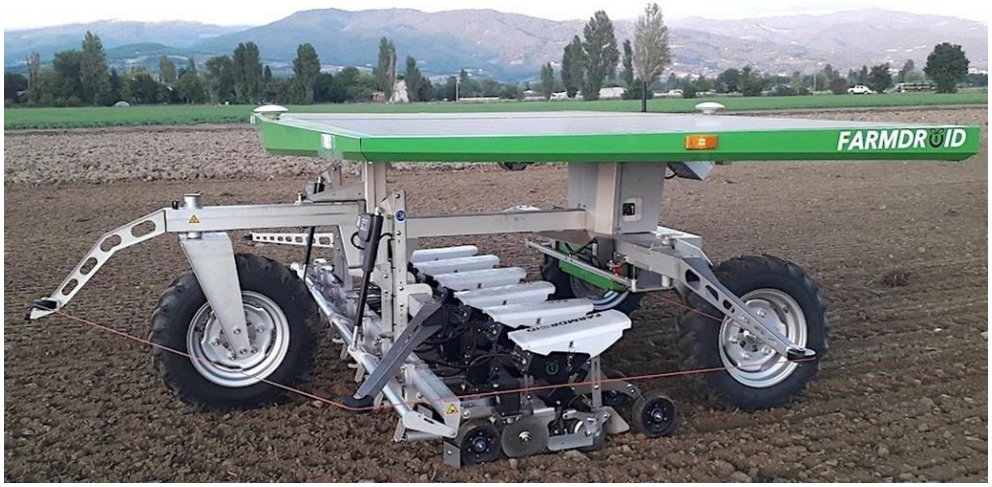
ERABEE-TN

Education and Research in Biosystems Engineering in Europe - A Thematic Network

Curricula design and reform of Agricultural and Biosystems Engineering (ABE) in EU member and candidate states





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Survey on ABE degree study programs offered by Universities of EU member and candidate states

During the last ERABEE-TN workshop (Clermont-Ferrand, France, 9-10 September 2010) the Steering Committee of this TN decided to build up the ERABEE Network, including Universities/Departments offering ABE degree study programs.

The ERABEE Network is still active, as it is proved by the update of its partnership (37 partners and 2 stakeholders), at the beginning of 2022, and the survey on ABE degree study programs offered by Universities of 20 EU member and candidate states, updated to 2022-2023 academic year (based on the data and information provided upon request by at least one ERABEE-TN partner per each country and on the data and information retrieved from the web-sites of the HEIs).

The Universities of at least 12 (Czech Republic, Estonia, Italy, Latvia, Lithuania, Netherlands, Poland, Portugal, Romania, Slovak Republic, Sweden and Turkey) of the above 20 EU member and candidate states offer BSc and MSc curricula in the ABE area, including subjects related to Agricultural Engineering and Applied Agricultural Engineering covering at least 30% of the total ECTS study load.

Instead, the HEIs of other countries (e.g. Denmark, Finland, France and Norway) offer BSc and MSc curricula including subjects related to Agricultural Engineering and Applied Agricultural Engineering covering less than 30% of the total ECTS study load.

The results of this survey, related to 12 EU member and candidate states where ABE curricula were established after the end of ERABEE-TN project, are summarised in the following table.

Survey results updated to 2022-2023 academic year

Country	University	Study cycle	Degree study program	Total ECTS	Agricultural Engineering and Applied Agricultural Engineering ECTS (%)
Czech Republic	Prague	BSc	Agricultural Engineering	180	38
Czech Republic	Prague	MSc	Agricultural Engineering	120	88
Czech Republic	Prague	MSc	Technology and Environmental Engineering	120	77
Estonia	Tartu	BSc	Technotronics	240	60
Estonia	Tartu	MSc	Production Engineering	120	32
Italy	Bari	BSc	Land and Environmental Science and Technology	180	30
Italy	Catania	BSc	Planning and Environmental Sustainability of Territory and Landscape	180	47
Italy	Catania	BSc	Planning and Environmental Sustainability of Territory and Landscape	180	50
Italy	Potenza	BSc	Urban Landscape, Environment and Green	180	40
Italy	Perugia	MSc	Sustainable Agriculture	120	37
Italy	Viterbo	BSc	Digital Management of Agriculture and Mountain Territory	180	37
Italy	Viterbo	BSc	Digital Management of Agriculture and Mountain Territory	180	32
Latvia	Jelgava	BSc	Agricultural Engineering	240	43
Latvia	Jelgava	BSc	Biosystems Machinery and Technologies	180	33
Latvia	Jelgava	MSc	Agricultural Engineering	120	32
Lithuania	Kaunas	BSc	Agricultural Mechanical Engineering	240	56
Lithuania	Kaunas	MSc	Agricultural Mechanical Engineering	120	55
Netherlands	Wageningen	BSc	Biosystems Engineering	180	45
Poland	Lublin	BEng (Bachelor Engineer)	Agricultural Engineering and Agrotronics	210	49
Poland	Lublin	MSc	Agricultural Engineering and Agrotronics	90	42
Portugal	Évora	MSc	Precision Agriculture Technologies	120	37
Romania	Cluj-Napoca	MSc	Biosystems Engineering in Agriculture and Food Industry	180	38
Slovak Republic	Nitra	BSc	Management of Machinery Operation	180	33
Slovak Republic	Nitra	MSc	Management of Machinery Operation	120	35
Sweden	Alnarp	BSc	Agriculture and Rural Management	180	42
Turkey	Bursa	BSc	Biosystems Engineering	180	77
Turkey	Kahramanmaras Sutcu	BSc	Biosystems Engineering	180	71
Turkey	Namik Kemal	BSc	Biosystem Engineering	180	77

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Thank you for your attention !

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