



ESTONIA



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State or Federal Research Facilities, Institutes or Organisations

Agricultural Research Centre (ARC)

<https://pmk.agri.ee/en/agricultural-research-centre-activities>

ARC is an institution administrated by the Estonian Ministry of Rural Affairs. It involves different laboratories, field testing centres and departments which deal with agri-environmental monitoring, analysis of rural economy and rural networking.

Areas of Competence/Research/Faculty/Department

1. Agri-environmental Monitory and Research Bureau
2. Soil Monitoring and Research Bureau
3. Rural Network Department
4. Rural Economy Analysis Department

Estonian Crop Research Institute

<https://www.etki.ee/index.php/eng/>

The Estonian Crop Research Institute is a state research and development institute under the governance of the Estonian Ministry of Rural Affairs. The institute carries out applied and basic studies in following areas: development and upgrade of efficient and environmentally friendly agrotechnologies, dependence of yield and quality formation from used varieties and agrotechnologies, plant protection, plant health, agrochemistry, fertilisation, and agrometeorology. Institute carries out breeding new varieties of agricultural crops and maintenance breeding of registered varieties, preserves plant genetic resources for food and agriculture and produces and distributes certified seeds of various agricultural crops.

Areas of Competence/Research/Faculty/Department

1. [Plant genetic resources](#)
2. [Agrometeorology](#)
3. [Plant protection](#)
4. [Seed protection](#)
5. [Plant breeding](#)
6. [Agrotechnology](#)
7. [Fertilisation](#)



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Universities/Higher Education Institutes

Estonian University of Life Sciences (EMÜ)

<https://www.emu.ee/en/>

Estonian University of Life Sciences is the only university in Estonia whose priorities in academic and research activities provide the sustainable development of natural resources necessary for the existence of Man as well as the preservation of heritage and habitat. It is a centre of research and development in such fields as agriculture, forestry, animal science, veterinary science, rural life and economy, food science and environmentally friendly technologies

[The Institute of Veterinary Medicine and Animal Sciences](#)

The Institute of Veterinary Medicine and Animal Sciences performs high-level modern teaching and research and development activities in many fields, such as animal nutrition, animal production, including aquaculture, animal genetics and breeding, reproductive biology, biotechnology, food hygiene, food technology, and many other subject areas related to animal science and veterinary medicine.

[Institute of Agricultural and Environmental Sciences \(IAES\)](#)

The academic activities of the 11 departments include plant cultivation, grassland cultivation and feed production, horticulture, plant health, soil science, landscape ecology and management, landscape architecture, biological diversity and applied hydrobiology.

[Institute of Forestry and Rural Engineering](#)

The major task of the Institute of Forestry and Rural Engineering is to prepare specialists with academic degrees for Estonian forestry, environmental institutions construction and water management sectors.

[Institute of Economics and Social Sciences](#)

<http://ms.emu.ee/en/>

The Institute of Economics and Social Sciences is a teaching and research centre dealing with issues related to rural economic development and rural social problems. The themes of the institute's research work are varied but aligned to study the competitiveness and sustainability of Estonia's rural economy and the issues concerning social development of rural areas.

[Institute of Technology](#)

1. [Chair of Biosystems Engineering](#) – is an internationally visible team that serves Estonian society through research, development and teaching of technology and engineering in the relevant areas of Bioeconomy concept.
2. [Bioenergy and biofuels workgroup](#) – works on solid and liquid fuel research and more recently the use of microalgae for biofuels.

[Research Centre of Organic Farming](#)

Research Centre of Organic Farming is an interdisciplinary centre in order to bring together different organic farming and food studies in Estonian University of Life Sciences and to initiate further activities. The main activities are:

- Research of organic food and agriculture;
- Promotion and education in that field;



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- Finding the best solutions for developing organic sector in a close cooperation with entrepreneurs.

[Polli Horticultural Research Centre](#)

The Polli Horticultural Research Centre promotes fruit science, technology of fruit growing, and student's training in:

- Horticulture,
- Introduction, testing and evaluation of cultivars;
- Breeding of cultivars, especially apple, pear, plum, sweet cherry, black currant, raspberry, and apple vegetative rootstocks;
- Agricultural methods in fruit production;
- Preserving of all fruit and small fruit cultivars of Estonian origin.

Tallinn University of Technology (Taltech)

<https://taltech.ee/en/>

Taltech performs academic activities in engineering and technology, information technology, economics, science, and maritime issues.

Areas of Competence/Research/Faculty/Department

1. Department of Chemistry and Biotechnology, School of Science specialises in:
 - Food science and technology
 - Plant molecular biology, genetics and virology
 - System biology of bacteria
2. Department of Marine Systems

University of Tartu – Estonian National University

<https://www.ut.ee/en>

The University of Tartu is Estonia's national university and its leading centre of research and training, spearheading the country's reputation in research and provision of higher education. It belongs to the top 1.2% of the world's best universities. The university stresses the importance of international co-operation and partnerships with reputable research universities all over the world. The University of Tartu was invited to join the Coimbra Group of prestigious, renowned research universities.

Faculty of Science and Technology

1. The Estonian Marine Institute
2. Institute of Technology – molecular plant biology, molecular ecology, synthetic biology and bio-based materials, core facilities of proteomics and virology
3. Institute of Ecology and Earth Sciences - Chair of Natural Resources
4. Institute of Molecular and Cell Biology - Chair of Genetics and Chair of Biotechnology

Other Organisations/Institutes

State Forest Management Centre - RMK

<https://www.rmke.ee/for-a/forest>

RMK is a state institution that focuses mainly on forest management in Estonia, but also land management and nature conservation. Estonia is one of the most forest-rich countries in the world,



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with approximately half of Estonia's land area, or 2.3 million hectares are covered with forest. Around 46% of Estonian forests belong to the Estonian state, and these forests are maintained, grown and managed by the State Forest Management Centre – RMK.

Areas of Competence/Research/Faculty/Department

1. Forest management department
2. Seed and plant management department
3. Timber marketing department
4. Nature management department

BioCC - Biotechnology competence centre

<https://biocc.eu/>

BioCC carries out internationally recognized R&D to create, develop and implement innovative biotechnological solutions for feed, food supplements, integrating its and international knowledge in the field of microbiology, biochemistry, genetics, food technology, metabolomics, genomics, physiology, and medicine.

Centre of Food and Fermentation Technologies

<https://tftak.eu/en/>

CFFT is an R&D company based on extensive use of modern analytical methods, systems biology and synthetic biology principles, aiming at development and introduction of innovative food and fermentation technologies.