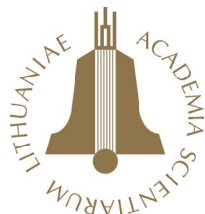




LITHUANIAN
RESEARCH CENTRE
FOR AGRICULTURE
AND FORESTRY



International conference

SOIL MANAGEMENT FOR A SUSTAINABLE FUTURE: THE IMPORTANCE OF SOIL IN SUSTAINABLE AGRICULTURE AND HEALTHY FOOD PRODUCTION

Dedicated to the 90th anniversary
of the Vėžaičiai Branch,
Institute of Agriculture, LAMMC

October 13, 2025

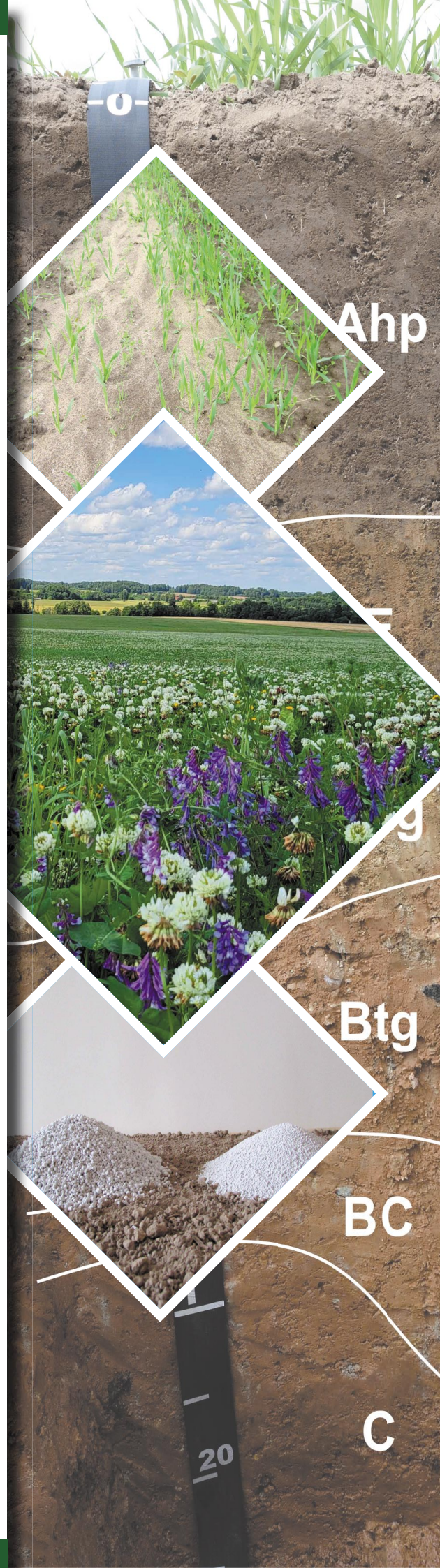
Lithuanian Academy of Sciences
Gedimino Ave. 3, LT 01102 Vilnius, Lithuania



*The soil is the place where the cycle
of life begins, where seeds germinate
to give rise to the fruits that will feed
us, and it is also the place where dead
matter decomposes to give way
to new life (Lainco, 2024).*

Soil is the foundation of life on Earth, playing a crucial role in maintaining agricultural productivity, supporting biodiversity, regulating water cycles, and mitigating climate change.

The scientific conference **“Soil management for a sustainable future: the importance of soil in sustainable agriculture and healthy food production”** brings together leading experts and emerging researchers to explore the vital role of soils in achieving resilient agricultural systems and producing safe, nutrient-rich food. The event provides a multidisciplinary platform for the latest scientific advances, field practices, and policy approaches in sustainable soil management.



PROGRAMME

9.30–10.00	Registration, coffee
10.00–10.30	Opening ceremony <i>Prof. Dr. Habil. Zenonas Dabkevičius,</i> Vice-President of Lithuanian Academy of Sciences <i>Dr. Antanas Ronis,</i> Deputy Director for Institute of Agriculture Activities, other representatives
10.30–12.00	Plenary session Soil pollution and remediation technologies <i>Prof. Dr. Juris Burlakovs,</i> Riga Technical University (Latvia) The agrochemical status of Polish arable soils <i>Prof. Dr. hab. inż. Bożena Smreczak,</i> IUNG-PIB (Poland) How can soil management help reduce abiotic stress on field crops? <i>Dr. Nora Honsdorf,</i> Thünen Institute of Organic Farming (Germany) Estimating a feasible carbon sequestration potential of European agricultural soils through optimised agricultural management <i>Dr. Felix Seidel,</i> Thünen Institute of Climate-Smart Agriculture (Germany)
12.00–13.00	Lunch
13.00–15.00	Oral presentations
13.00–13.15	Jonas Volungevičius, Julius Mačiulaitis (VU). Application of the natural framework concept to the sustainable development of Lithuanian agroecosystems: the land-use management approach in agriculture
13.15–13.30	Karolina Barčauskaitė, Dovilė Motiejauskaitė (LAMMC). Microplastics in sewage sludge and their potential transfer to soil
13.30–13.45	Mykola Kochiiaru, Jonas Volungevičius (LAMMC, VU). Determination of soil bulk density in different soil groups in southeastern Lithuania using the express method
13.45–14.00	Ieva Misiūnė, Gintarė Tamašauskaitė-Janickė, Gintarė Januševskaitė (VU). Managing natural pest control for sustainable agriculture: Gaps between regulation and practice
14.00–14.15	Arman Shamshitov, Skaidrė Supronienė (LAMMC). The role of tillage practices in wheat straw decomposition and shaping the associated microbial communities
14.15–14.30	Ignacio Villalon Fornes (KTU). Application of industrial by-products in agriculture: the potential of phosphogypsum
14.30–14.45	Dovilė Čiuldienė, Egidijus Vigras, Kęstutis Armolaitis, Iveta Varnagirytė-Kabašinskiienė (LAMMC). Studies of greenhouse gas emissions from peatlands
14.45–15.00	Audrius Jakutis, Regina Skuodienė, Ewald Sieverding, Virgilijus Baliuckas, Jūratė Aleinikovienė (VDU). Significance of mineral nitrogen transformation and microbial community stabilisation affected by organic and biological amendment in intensive cropping system
15.00–15.15	Danutė Karčauskienė. From the history of acid soil research: events and personalities [dedicated to the 90th anniversary of the Vėžaičiai Branch]
15.15–16.00	Discussion and general photo of the conference participants
16.30–19.00	Dinner