

Projects

Gunārs Lācis

International projects:

1. ECPGR project "Improvement of Fruit Tree Data Inclusion in EURISCO (FRUITTREEDATA)" (Representative of Latvia) 2023 - 2025
2. Interreg project Nr. LLI-181 „ Revival of old traditional fruit, vegetable and ornamental plants and their products: Heritage Gardens Tour (Heritage Gardens)" (Researcher) (2018-2019)
3. ECPGR project „Testing, Use and Alignment of genetic data to distinguish unique and characterized accessions in *Prunus*", (Representative of Latvia) 2017 – 2020
4. ECPGR project „Common ECPGR protocols and tools available for Characterisation & Evaluation of *Malus/Pyrus* genetic resources", (Representative of Latvia) 2017 – 2018
5. ECPGR project „Collaborative action for updating, documenting and communicating the cherry patrimonial richness in EU" EU.CHERRY (Representative of Latvia) 2016 - 2017
6. ECPGR project „Identification of a representative set of *Prunus domestica* accessions of European origin, well documented and characterized, to be included into the AEGIS system" PrunDoc (Representative of Latvia) 2015
7. COST Action: "Sustainable production of high-quality cherries for the European market" FA1104 (Representative of Latvia) 2012-2016
8. ERA-NET project „Coordinating Action in Plant Sciences" ERA-CAPS (Researcher) 2012-2014
9. EC project „Core collection of Northern European gene pool of *Ribes*" RIBESCO, Nr. 870/2004 AGRI GEN RES 071 (Researcher) 2007-2011
10. Nordic-Baltic Mobility and Network Programme for Public Administration project „Workshop „Documentation and access to material and info of vegetatively propagated plants and forest resources" Nr. PA-027 (Researcher) 2010, 2012
11. Project funded by the Swedish Academy of Agricultural and Forestry Sciences „Characterization of the Latvian and Swedish sweet and sour cherry genetic resources", (Researcher) 2000 – 2004

ESF, ERDF projects:

1. ERDF project No. 1.1.1.1/18/A/026 "Studies on *Ribes* plants, *Cecidophyopsis* mites and *Blackcurrant Reversion virus* for sustainable resistance breeding and cultivation of *Ribes*" (Leading researcher) (2019-2022)

2. ERDF project No. 2015/0020/2DP/2.1.1.3.3/15/IPIA/VIAA/013 „Consolidation of Latvian University of Agriculture and scientific institutions to increase competitiveness” (Researcher) (2015)
3. ERDF project No. 2010/0239/2DP/2.1.1.3.2./10/IPIA/VIAA/001 "Establishment of a unified Latvian academic core network for ensuring scientific activities" (Researcher) (2010 - 2015)
4. ERDF project Nr. 2011/0040/2DP/2.1.1.3.1/11/IPIA/VIAA/002 "Development of modern scientific material and technical basis within the National Research Centre of Agricultural Resources and Food" (Researcher) 2011-2014
5. ERDF project No. 2010/0317/2DP/2.1.1.1.0/10/APIA/VIAA/155 " Development of effective fruit crop virus elimination techniques and new pathogen diagnostic components for virus-free planting material " (Leading researcher) 2012-2013
6. ERDF project No. 2010/0192/2DP/2.1.1.2.0/10/APIA/VIAA/007 "Promotion of international recognition and project competitiveness in Latvian fruit-growing science" (Researcher) 2010-2013
7. ESF project No. 2009/0228/1DP/1.1.1.2.0/09/APIA/VIAA/035 „Strengthening scientific capacity in the fruit-growing, forest and information technology sectors by providing computer-aided research on environmentally-friendly growing solutions, product development and implementation” (Researcher) 2010-2013
8. ERDF project „Development of the database of Latvian woody plant genetic resources”, 2006. – 2008.gads

National projects:

1. Project of Latvian Council of Science No. Izp-2024/1-0033 “Characterisation of *Pyrus communis* - *Gymnosporangium sabinae* interaction aspects for resistance breeding (PyGyResist)” (project leader), (2024-2026)
2. Project of Latvia Ministry of Agriculture “Horticultural plant breeding program for the development of breeding material to promote the introduction of conventional, integrated and organic growing technologies” (project leader), 2023-2026
3. National research programme: Research-based solutions for sustainable agri-food system addressed to the European Green Deal objectives (GreenAgroRes), No. VPP-ZM-VRIILA-2024/1-0002 (Leading researcher) (2024-2025)
4. Project of Latvian Council of Science No. Izp-2021/1-0134 „Development of a decision-making system for smart fruit farming using autonomous drones” (leading researcher) (2022-2024)
5. Project of Latvia Ministry of Agriculture “Conservation of Latvia horticultural plant genetic resources” (Program coordinator) (2020 – 2025)
6. National research programme: Agricultural resources for sustainable production of high quality and healthy food in Latvia (AgroBioRes). Project No.2 „ Biological processes affecting the sustainable cultivation of fruit plants and expanding the use of by-products” (AUGLI), No. 10-4/VPP-7/3 (Leading researcher) (2014-2017)
7. Project of Latvian Council of Science No. 672/2014 „ Research and technological solutions for sustainable sea buckthorn cultivation and utilization” (Leading researcher) (2014-2017)
8. Project of Latvia Ministry of Agriculture “Conservation of Latvia fruit-crop genetic resources” (Program coordinator) (2006 – 2019)
9. Project of Latvia Ministry of Agriculture „ Evaluation of apple and raspberry breeding material for implementation of integrated crop production technologies” 100413/S58 (2012-2013 – project leader, 2014-2020 - leading researcher)

10. Project of Latvian Council of Science No. 223/2012 „Studies on inheritance and diversity of apple and pear resistance to scab and characterization of races and population diversity of causal organisms – *Venturia inaequalis* and *Venturia pyrina*” (Project leader) (2013-2016)
11. Project of Latvian Council of Science No. 09.1067/229 "Research and enhancement of cherry and plum breeding material by development and application of molecular genetics technology" (Researcher) (2009-2012)
12. Project of Latvia Ministry of Agriculture „Documentation, collection, evaluation and economic study of conservation options for crop genetic resources in agriculture and food” (Researcher) (2007)
13. National research programme: Innovative technologies for the production of high quality, safe and wholesome food from genetically, physiologically and biochemically diverse plant and animal raw materials. Project No.2 „High quality Latvian berries: from cultivar to high quality, healthy and safe product” (Researcher) (2006 – 2007)
14. Project of Latvian Council of Science „Breeding and technological research on fruit cultivar suitability for integrated production” (Researcher) (2004 – 2007)
15. Project of Latvia Ministry of Agriculture „Development of genetic resources descriptors for agricultural and food crops and forests” (Leading researcher) (2006)
16. Project of Latvia Ministry of Agriculture „Molecular - genetic fingerprinting of Latvian crop genetic resources” (Project leader) (2006)
17. Project of Latvia Ministry of Agriculture „Image and data processing software and hardware for documenting fruit plant genetic resources” (Leading researcher) (2006)
18. Project of Latvia Ministry of Agriculture „Establishment of a laboratory for molecular biology for Latvian fruit plant genetic resources” (Leading researcher) (2005)
19. Project of Latvia Ministry of Agriculture „Improvement (supplementation, modernization) of material and technical base for creation of innovative fruit and berry products in Dobele horticultural plant breeding and experimental station” (Researcher) (2005)
20. Project of Latvia Ministry of Agriculture „Support of plant gene bank and molecular fingerprinting laboratory” (Leading researcher) (2005)
21. Project of Latvian Council of Science „Breeding of fruit trees and berries” (Researcher) (1997 – 2003)