

## **Participation in projects (recent 3 years)**

1. Safeguarding of potato onion (*Allium cepa* L. Aggregatum group) and garlic (*Allium sativum* L.) crop diversity in North Europe – Baltic region (SafeAlliDiv) ECPGR (2017 – 2019)
2. Strip-cropping and recycling of waste for biodiverse and resoURce-Efficient intensive VEGetable production (SUREVEG) Era-Net (2018 - 2020)
3. H2020 - Agricultural Interoperability and Analysis System (ATLAS) )( 2019-2021)
4. H2020 - SMART agriculture for innovative vegetable crop PROTECTion: harnessing advanced methodologies and technologies (SMARTPROTECT) (2020-2022)
5. Revival of old traditional fruit, vegetable and ornamental plants and their products: Heritage Gardens Tour (Heritage Gardens). Interreg Baltic Sea Region program (2017 – 2019)
6. Development of new vegetable - edamame growing technology in organic production, No. I7-00-401620-000004 (2018 - 2021)
7. Modernisation of garlic growing technology for secure yield in organic farming, No. 18-00-A01620-000014 (2018-2020)
8. Introducing of high technologies in vegetable production in the modern greenhouses (2018 – 2022)
9. Introducing of sustainable vegetable growing technologies for increasing soil fertility and efficient using of resources (2018 - 2022)

## **Five the most important publications during last three years**

1. Lepse, L., Dane, S., Zeipiņa, S., Domínguez-Perles, R. and Rosa, E. A., 2017. Evaluation of vegetable–faba bean (*Vicia faba* L.) intercropping under Latvian agro-ecological conditions. *J. Sci. Food Agric.*
2. G. Bodner, A. Kronberga, L. Lepse, M. Olle, I.M. Vågen, L. Rabante, J.A. Fernández, G. Ntatsi, A. Balliu, B. Rewald, 2018. Trait identification of faba bean ideotypes for Northern European environments. *European Journal of Agronomy* 96 (2018) 1–12
3. Karkanis A., Georgia Ntatsi, Liga Lepse, Juan A. Fernández, Ingunn M. Vågen, Boris Rewald, Ina Alsiņa, Arta Kronberga, Astrit Balliu, Margit Olle, Gernot Bodner, Laila Dubova, Eduardo Rosa and Dimitrios Savvas, 2018. Faba Bean Cultivation – Revealing Novel Managing Practices for More Sustainable and Competitive European Cropping Systems *Front. Plant Sci.*, 02 August 2018
4. L.Lepse, I.Jansone, 2017. Influence of Agricultural Service Crops on the fluctuations of the soil mineral composition. *NJF Report Vol 13, 1, 67-69*
5. Zeipiņa, S. Alsiņa, L., Lepse, L., 2017. Insight in edamame yield and quality parameters: A review. *Research for Rural Development Volume 2, 2017, Pages 40-44*