

Brokerage Event

Food Security | Sustainable Agriculture and Forestry |
Marine, Maritime and Inland Water Research |
Bioeconomy | KET-Biotechnology |

Brussels, 15th November 2017



BioHorizon



Sustainable Food Security

**NPPC - partner for research and business cooperation in
agriculture and food science and innovation**

National Agricultural and Food Centre

*governmental R&D organisation supervised by the Ministry
of Agriculture and Rural Development of the Slovak Republic*

Dana Peškovičová



www.ncp-biohorizon.net

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Areas of research: **soil** management, intensive and extensive **plant production**, **grassland management**, **animal husbandry**, **quality and safety**, innovation and competitiveness of **food and non-food products** of agricultural origin, productive and non-productive **impact of agriculture on the environment and rural development**, **production systems in agriculture**, **agricultural economics**

NPPC actively participates in FP7 and Horizon 2020: RIA, COST, ERA-NETs, (FOODSEG, PROMISE, SPICED, REDNEX, LowInputBreeds, BIOSKOH, SuSAn, IPEMA – COST, NanoFeed)



NPPC – Institute for Soil Science and Conservation Research Institute

- Pedological research including soil fertility, soil production potential, environmental soil functions and soil conservation (LPIS and special soil databases)
- Remote sensing, physical and chemical analyses

NPPC – Research Institute for Animal Science, Institute for Grassland and Mountain Agriculture

- Livestock farming systems (**EconModMilk** – economic and production modelling)
- Monitoring and preservation of animal genetic resources (SK **database of national AnGR**, gene bank, molecular biology, reproduction)
- Species: cattle, sheep, pigs, small animals, **beekeeping and breeding**
- Quality of production (meat and milk quality lab, experimental slaughterhouse)
- Welfare and environmental aspects of animal production, animal nutrition
- Genetic improvement in livestock – breeding values for sheep, pigs, economic values for production and functional traits
- **Intensive and extensive systems**, grassland management and ecosystems, and farming systems in mountain regions

NPPC – Institute for Food Science

- Research and innovation in the fields of **food chemistry**, analysis and technology, analytical chemistry, **microbiology**, molecular biology, **biotechnology**, genetics, food hygiene and sanitation processes and food informatics
- Development and verification of food technologies, elaboration of process books
- **Food composition database**

NPPC – Research Institute for Plant Science, NPPC – Agroecology Research Institute

- Analyses of plant genotypes and phenotypes and their pathogens, biodiversity conservation, **plant genetic resources analysis** and management (**SK Plant gene bank**)
- Sustainable improvement and optimization of growing systems and technologies in plant production
- Production of new types of plants, their finalization and implementation in practice
- Cropping technologies for energy crops and low tonnage crops (hermophilic plant experiments) in relation to phytomass quality, soil treatment, energy production

NPPC – Research Institute for Agriculture and Food Economics

- Applied economic agrifood research, sectorial economic analyses
- Liaison agency for the Farm Accountancy Data Network (**FADN**)

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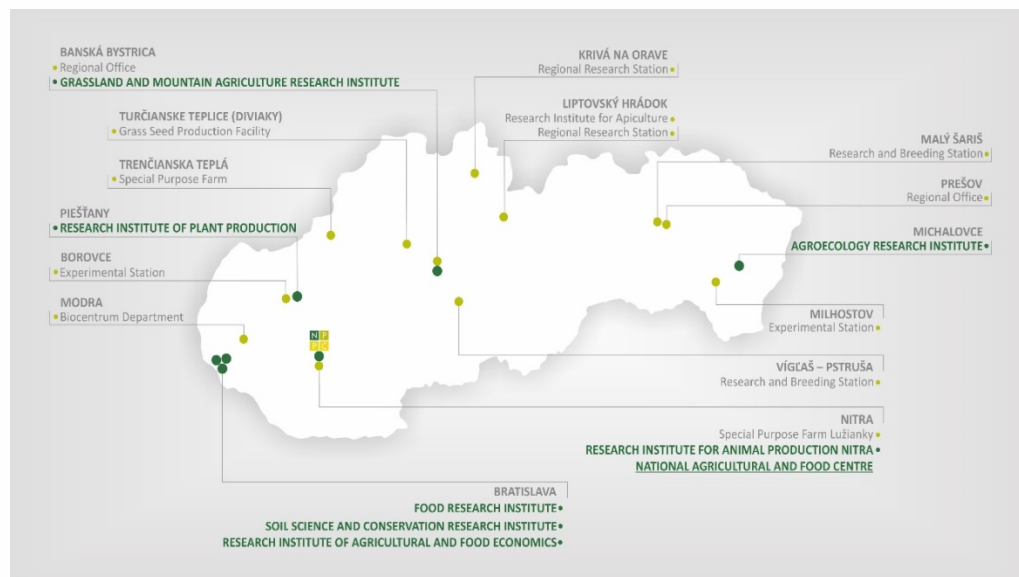
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Short video about company: http://www.nppc.sk/images/nppc_en.mp4