

## PROJECT PARTNER SEARCH

☒ I offer my expertise to participate as a Partner in a Horizon Europe Project

☐ I am planning to coordinate a project and I am looking for Project Partners

### TOPICS OF INTEREST

HORIZON-CL6-2025-01-CIRCBIO-05: Consumption patterns and environmental awareness as enablers of transition to circular economy

HORIZON-CL6-2025-01-BIODIV-06: Assessing and modelling socio-economic impacts of nature restoration

### PARTNER INFORMATION

**The Institute of Statistics, Operations Research and Mathematics** is an academic and research unit within the Faculty of Economics and Management at the Slovak University of Agriculture in Nitra. The Institute focuses on the development and application of advanced quantitative methods to address current challenges in agricultural economics, sustainable development, and rural policy.

Institute of Statistics, Operations Research and Mathematics has long history of participation in research projects focused on the investigation of consumers behaviour and consumption patterns, but also in research related to investigation of sustainable development and its indicators, efficiency and also modeling of socio economic impacts.

Its research expertise spans statistical modelling, econometrics, operations research, data-driven decision-making, and quantitative analysis of environmental and economic systems. The team has a strong track record in applying these tools to assess the impacts of agricultural and environmental policies, model food demand and consumption behaviour, and evaluate the efficiency and productivity of agri-food production.

The Institute is actively engaged in interdisciplinary and international collaborations, contributing to both theoretical innovation and practical policy insights. It regularly participates in national and EU-funded research projects and provides quantitative support for impact assessments, scenario modelling, and evidence-based policy design. Through close cooperation with stakeholders, the Institute strengthens the science-policy interface and contributes to sustainable and resilient agri-food systems in line with the European Green Deal and the Farm to Fork Strategy.

Added value of our department is strong professional background of experienced research team, analytical skills and strong methodological knowledge base in connection with professional analytical software tools.

#### Description of the Legal Entity

☒ Higher Education

☐ Research Institution

☐ Public Administration

☐ Industry /SME

☐ NGO

☐ Other: ***Please specify***



**SUA**  
Slovak University  
of Agriculture  
in Nitra

<https://www.uniag.sk/en/main-page>

**Our values:** Academic integrity / Excellence / Inclusion / Responsibility / Respect / Cooperation / Innovation / Sustainability



### Main areas of activity:

- Education
- Lifelong learning
- Research & Development
- Technology & Knowledge transfer
- UNI-Business cooperation
- Partnership / Networking
- Community/Region development
- Third mission

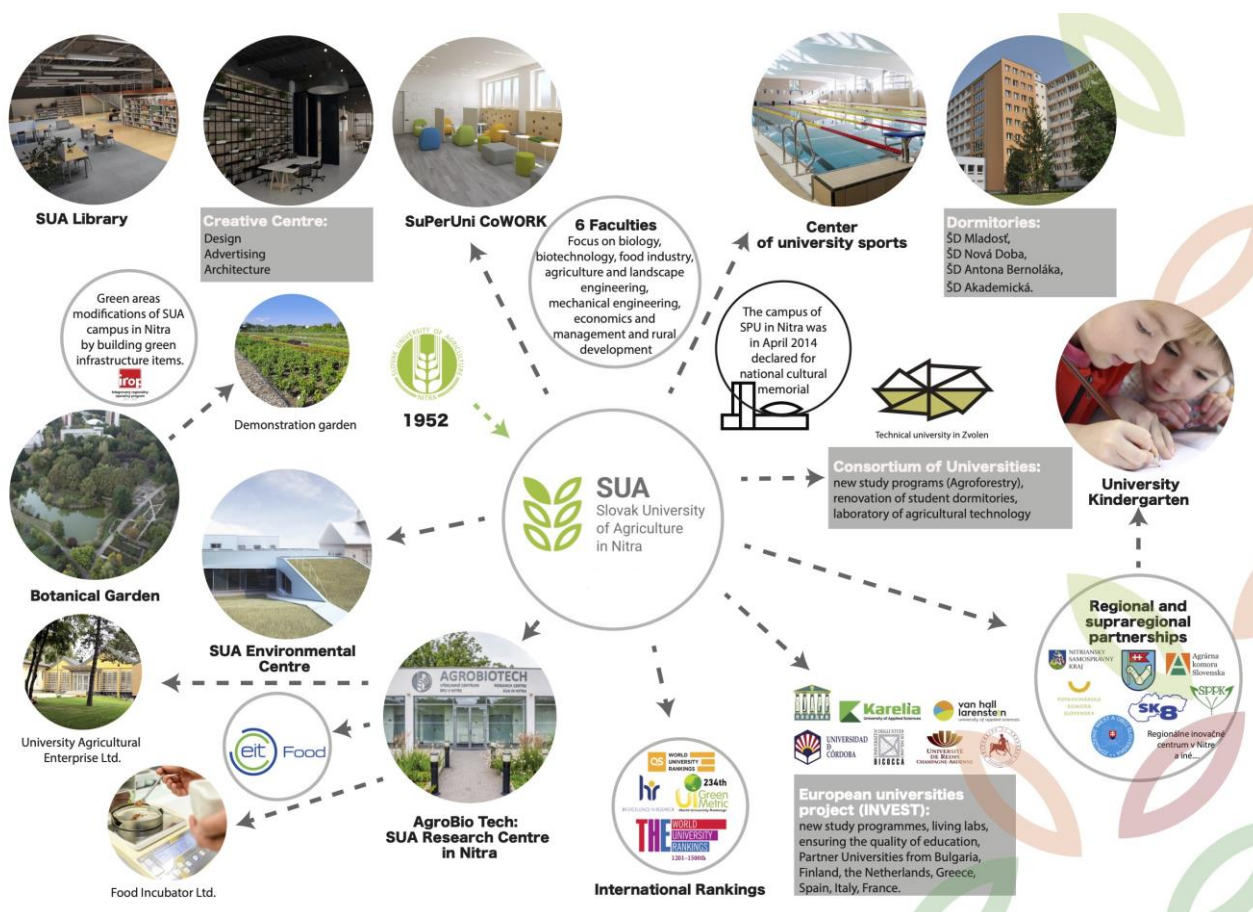
### Lines of research:

- Engineering of agricultural machinery and equipment
- Computerization and automation of agricultural equipment
- Economics and Management
- International trade in agricultural commodities
- Marketing
- Development of rural tourism
- Project management for rural development
- Sustainable agriculture
- Agricultural production
- Agrobiology
- Food resources
- Food technology
- Biotechnology
- Gardening and landscape design

### SUA Facilities:

- **Botanical Garden** <https://www.bz.uniag.sk/sk/domov> Garden with an agrobotanical character and mission
  - **Demonstration University Garden** University orchards, gardens and vegetable plots based in the middle of the city Nitra
  - **Vivarium** Breeding of exotic animals.
  - **Beehives**
- **AgroBioTech Research Centre** <https://www.agrobiotech.sk/en/> University research centre conducts research with a real impact on practice, support innovation, and develop modern technologies.
- **Food Incubator** <https://www.potravinovyinkubator.sk/en/> Operates as a spin-off company of the Slovak University of Agriculture in Nitra (SUA), incubator delivers new, innovative and sustainable food.

- **Creative Center** <https://kcspu.sk/en/> Space for sustainable innovative solutions, offers creative potential and supports innovatively-minded individuals and entities in the creative industry in realizing their ideas in the fields of Advertising, Design and Architecture.
- **VPP s.r.o.** <https://vpp.uniag.sk/en/home/> University Farm Ltd. is enterprise 100% owned by the university having plants/crops/orchards/horticulture/vineyards and animal production in various locations around city Nitra, in addition to agricultural business on the land creates conditions and provides services in the areas of research and development
- **Envirocentrum Environmental Centre Climate-landscape-Information** <https://zmenaklimy.sk/envirocentrum/> Information activities in the field of adaptation to climate change, water in the country and the mutual influence of human on the landscape. Solutions to scientific and research tasks and cooperation with practice.
- **Technology Transfer** <https://www.uniag.sk/en/technology-transfer> Professional advice, consultations and services in the field of technology and knowledge transfer, cooperates in activities of the National Technology Transfer Center of the Slovak Republic and coordinates the activities of the SUA within the international Danube Transfer Centre Network (DTC).
- **Consumer Studies Laboratory** Research in the fields of business, marketing, management and economics using the latest technologies using simulated retail space for detailed exploration of the purchasing process, buyer decision-making, and practical retail merchandising training (marketing and neuromarketing).
- **SuPerUni CoWORK** <https://cowork.uniag.sk/home-2/> Networking platform where we connect people of different nationalities, activities, ages and professional backgrounds in one shared space.
- **EIT Food Hub** <https://eit.uniag.sk/> Leading food innovation initiative, working to make the food system more sustainable, healthy and trusted.



## Full list of ongoing HORIZON projects:

<https://www.uniag.sk/en/horizon-2020>

<https://www.uniag.sk/en/horizon-europe>

## **Description of the (Research) Team**

*The research team consists of scientists with an interdisciplinary focus, with an emphasis on profiling in the field of consumption patterns and assessing of socio-economic impacts related with sustainability . These are workers educated in the field of using statistical methods and methods of operational analysis in solving selected micro- and macro-economic problems.*

*Martina Hanová is an expert on the EU CAP and has long been involved in modeling the impact of the CAP on the economic situation of agricultural enterprises. In this area, she has participated in several research projects, ACE Phare, and VEGA (mentioned above). Her dissertation, which she defended at FEM SPU, was also focused on this area. She was the leader of the successfully completed VEGA project in 2014-2016 and the deputy leader of 3 VEGA projects. She also participated as a co-investigator or expert in 7 international research and education projects and 7 domestic research (VEGA) and 6 educational projects. He is an expert in econometric and financial modeling and multicriteria decision-making methods that are applied in the calculations of various indices.*

*Jozef Palkovič - possesses a wide range of methodological knowledge, primarily in the field of econometrics, risk assessment, the use of various software tools in the field of statistical analysis, and also multidisciplinary knowledge related to the topic of the proposed project. His publishing activity is focused on the issue of food security, risk assessment of investment plans in the field of agriculture, and research on consumer behavior in the field of food. In the past, he participated in the solution of several successful research projects. He was the main investigator of the successfully completed project VEGA 1/0755/21 Challenges for ensuring food sufficiency in Europe in the 21st century - key factors: socioeconomic and environmental contexts in the period 2021-2023*

*Zuzana Poláková - is an expert in the field of demographic comparison of regions, regional development and demographic modeling, which she also deals with in her research and publication activities. Her rich experience will be beneficial in solving the project, especially in evaluating the applicability of methods in the field of determining key factors of food sufficiency from the point of view of socio-economic and demographic indicators. He is also a teaching staff member of the Institute of Statistics, Operational Research and Mathematics at the Faculty of Economics and Management of the SUA in Nitra. Her pedagogical activity is focused on teaching statistics and demography. She teaches the subjects Statistics IA, Statistics IB, Mathematical Statistics, Statistical Analysis, Forecasting Methods, Demographic Modeling. In the past, she participated in several successfully solved research projects within the VEGA grant scheme, but also in projects with international participation. In her research, she actively uses the tools of multivariate statistical analysis in various fields, which is documented by her publication activity. He actively participates in the creation of teaching aids, either in printed or electronic form.*

*Eva Richterová - her scientific and research activity is primarily focused on the field of sustainable development, bioeconomy and competitiveness of regions. She is an expert in the field of econometric analysis and the application of multivariate statistical methods. It also focuses on efficiency assessment methods (DEA, SFA). Its contribution will mainly consist in the verification of methods applicable to the investigation of environmental aspects of achieving food sufficiency, the examination of disparities that arise between countries and regions, as well as the creation of a multi-level typology from the point of view of the achieved level of food security.*

*Eva Matejková is an expert in the field of application of quantitative methods in various socio-economic analyses. The interest of her professional activity is in the field of statistical analyzes in economics, marketing, demography as well as analyzes in the field of food consumption and nutrition of the population, etc. He participates in solving many international and domestic projects. She has published in several magazines such as Agricultural economics, Acta oeconomica et informatica, etc. She participated in several international seminars organized by EAAE.*

*Miriam Pietriková is an expert in the field of national economic statistics, but she has also participated in research focused on demography, regional development and agriculture. She is the author of several scientific papers closely related to the issues of the proposed project. Her rich experience will be useful in examining food security, especially in terms of its determinants at the macroeconomic level.*

*Janka Drábeková - deals with environmental risk factors affecting human health, genomic and proteomic characterization of important plant food sources in terms of preparation of healthy and safe food and statistical processing of diverse research data.*

### **Expertise of the Team Leader**

*The head of the team Renata Benda Prokeinová has long been engaged in the application of statistical and econometric methods in the fields of agricultural economics, consumer behaviour, and sustainable development. Her research focuses in particular on quantifying the impacts of environmental policies, including the implementation of carbon taxes, as well as on modelling food demand using AIDS and LA/AIDS models.*

*An important part of her research also involves assessing the technical efficiency of agricultural production and forecasting employment and production trends in the agri-food sector. She actively contributes to linking research with practice and to formulating policy recommendations that support sustainable agriculture and green growth.*

*She is the author and co-author of numerous scientific publications both in Slovakia and abroad and regularly presents her research at international conferences (e.g. in the Czech Republic, Poland, Malta, the Netherlands, etc.). She participates in interdisciplinary research teams with an international focus and is an active member of the H2020–COMFOCUS project. To date, she has participated as a principal investigator or expert in 7 international research and educational projects, 7 national research projects (VEGA- nationals project), and 6 educational projects.*

### **Potential role in the project**

☒ Research

☒ Training

☐ Dissemination

☒ Other: scientific coordinator, workpackage leader

Already experience as a	Coordinator	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	Partner	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	Expert Evaluator	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
<b>CONTACT DETAILS</b>			

**Contact Person: Ass. Prof. Renata Benda Prokeinova, PhD.**

**Organization: Slovak university of Agriculture in Nitra**

<b>City: Nitra</b>
<b>Country: Slovakia</b>
<b>Phone: ++421907491125</b>
<b>Email: renata.prokeinova@uniag.sk</b>
<b>Organization Website: <a href="http://www.fem.uniag.sk">www.fem.uniag.sk</a></b>
<b>Contact Person Webpage: <a href="https://www.linkedin.com/in/renata-benda-prokeinova-89398823/">https://www.linkedin.com/in/renata-benda-prokeinova-89398823/</a></b>

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