

PROJECT PARTNER SEARCH FORM

- 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-HLTH-2025-03-STAYHLTH-01-two-stage: Improving the quality of life of persons with intellectual disabilities and their families

In the project we aim to propose an innovative use of Artificial Intelligence (AI) to address the growing health risks associated with environmental pollution. We recognize that AI systems themselves can be energy-intensive, contributing to the ecological footprint. Therefore, the fundamental premise of this project is to leverage AI's power to compensate for its own impact and actively contribute to improving environmental quality and protecting human health.

The project will focus on the development and implementation of intelligent systems for monitoring, predicting, and evaluating the health impacts of environmental pollutants, aiming to provide early warnings and support targeted intervention strategies. Crucially, we will design the final product – an interactive monitoring and alert platform – with a strong focus on accessibility and ease of use for all citizens, including individuals with intellectual disabilities and their families. This ensures that even the most vulnerable populations can understand and utilize environmental health information, empowering them to make informed decisions and take proactive steps to mitigate risks in their daily lives. We believe this inclusive approach is vital for achieving true public health equity in the face of environmental challenges.

PARTNER INFORMATION

*We are a small research team at the Comenius University in Bratislava, Slovakia, searching for a leading partner of the consortium. We are offering experiences in modelling of environmental impacts of greenhouse gases, see Grisáková, N., Repiská, R., Mičková, V., Štetka, P. and Borovská, P. (2022) *Environomics. Economic Approach to Environmental Issues*. České Budějovice: The College of European and Regional Studies. ISBN 978-80-7556-116-9*

Description of the Legal Entity

*Six researchers from the Institute of Economics, Faculty of Social and Economic Sciences, Comenius University in Bratislava. The faculty has participated in numerous international and national grants in the field of environmental policies as Jean Monet Chair: *The Post-socialist Societies and Culture under Green Deal, How Climate Policy and Strategic Behavior Can Ensure Financial Stability, Social research – Supporting decarbonization with a focus on the transformation of the heating industry and others.**

<input checked="" type="checkbox"/> Higher Education	<input type="checkbox"/> Research Institution	<input type="checkbox"/> Public Administration
<input type="checkbox"/> Industry /SME	<input type="checkbox"/> NGO	<input type="checkbox"/> Other: <i>Please specify</i>

Description of the (Research) Team

Tomas Domonkos holds PhD. in operational research and econometrics since 2009 from the University of Economics in Bratislava. Currently he teaches microeconomics and applied macroeconomics at the FSES CU. He worked on several foreign and domestic basic as well as applied research projects whether as a principal investigator or a member of the research team. Since the beginning of his career, he worked on a wide variety of topics, however, in the last five years he focused mostly on questions related to the economics of ageing, economic and fiscal effects of migration, inequalities and poverty, and macroeconomic imbalances. He taught as an adjunct professor at the University of Redlands in California in 2010,2011 and 2013. He also attended a six-month long research stay at the University of Economics in Vienna at the department of Economics in 2016. He spent five years as a member of the European Economic and Social Committee in Brussels.

Miroslava Janosova has been working at the Institute of Economics SAS since 2011 and at the FSES CU, Institute of Economics since 2018, where she hold the position of associate professor from 2022. Her academic interest focuses on the application of game theory in various key areas, such as healthcare, migration, green economy. She also deals with labor market analysis, modeling international investment positions and long-term growth models. Her interest in the project is to construct a model based on the theoretical Bayesian model that can be used to solve important problems related to greenhouse gas emissions. She has been a member of several research projects and the head of a successfully finished national level project. We anticipate that her skills and experience in coordinating complex research initiatives will be of great benefit to the project.

Elham Kamal has extensive background in sustainable development, financial markets, systemic risk and environmental economics. She holds a PhD in Monetary Economics and a master's degree in environmental economics. She serves as an assistant professor at the Institute of Economics, Faculty of Social and Economic Sciences of the Comenius University in Bratislava since January 2024. She has significant experience in sustainable development, financial markets, systemic risk, and central banking. Her expertise in environmental economics is demonstrated through her work on carbon footprints and sustainable development, particularly in the context of exports and imports. She has also explored the intersection of financial markets and environmental sustainability. She conducted a research internship at the Laboratoire d'Economie d'Orleans in France (2019-2021), where she evaluated central bank performance and their relationships with macroeconomic variables in inflation-targeting economies. Her research includes important work on central bank credibility and its macroeconomic impacts, as well as studies on systemic risk and the dependence structure among financial markets and environmental sustainability. Her publications, which have appeared in high-impact journals such as Finance Research Letters and Resources Policy, underscore her commitment to environmentally friendly financial research

Veronika Mitkova has been a faculty member at the FSES CU since 2003. She focuses both on employment and environment issues in her research, mainly using computable general equilibrium methodology. She is a team member of the scientific project "Environmental models as a tool for ecological and economic decisions making" solved at the University of Economics during 2023 till 2025 and she is a co-author of a book titled "Environomics: Economic Approach to Environmental Issues" (Grisakova et al., 2022).

<https://eraportal.sk/horizont-europa/>

Vladimir Mlynarovic, is an expert in the field of macroeconomics and financial modelling. He was among the first researchers pioneering the computable general equilibrium modelling methodology in Slovakia. Additionally, he contributed to connecting macroeconomic modelling with financial modelling and applied it to evaluate the Slovak financial and capital market. He proposed several tools for the evaluation of the impact of political decision making on the macroeconomic environment of the Slovak Republic. He worked on optimizing investment strategies of the Slovak second-pillar pension funds.

Ján Šebo holds a PhD. in Sectoral and Cross-Sectoral Economy from Matej Bel University. He served as a member of Research Council at Better Finance in Brussels, where he oversees research projects oriented on pensions and investment funds. At the same time, he has been involved in several research projects supported directly by the European Commission dealing with pension policies, asset management and financial regulation for long-term financial products. He participates in the European Commission's expert group Financial Services User Group and is responsible for formulating public policies and regulations for long-term financial products. Throughout 2013 – 2018 Jan served as an academic expert at EIOPA, the Occupational Pensions Stakeholder Group and supervised pension policy research.

Expertise of the Team Leader

This team has several years experience in leading projects on national level. Each of the team members participated as a team leader in past or current projects. The closest to this field is the national project How Climate Policy and Strategic Behavior Can Ensure Financial Stability.

Potential role in the project

- Research Training
 Dissemination Other: **Please specify**

e.g. project leader, scientific coordinator, workpackage leader, product development expertise.

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 type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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Date: 1. 7. 2025

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