

HORIZON EUROPE PARTNER SEARCH FORM

Call Topic(s): HORIZON-HLTH-2027-01-ENVHLTH-02

Project Type: Research & Innovation Action (RIA)

Are you working with any other partners on this topic?: No, we are not currently working with other partners on this topic. We are looking to join an international consortium and are open to discussions with potential partners whose project concept includes a relevant occupational health dimension.

EXPERTISE/COMMITMENT OFFERED

Form of Participation in a Horizon Europe Project: I offer my expertise to participate as a Partner in a Horizon Europe Project

Description of Researcher/Research Team Expertise: The research team at the Department of Public Health, Jessenius Faculty of Medicine, Comenius University in Slovakia, has expertise in epidemiological research in occupational and environmental health, with a particular focus on workplace conditions, occupational risk factors and their effects on workers' health. The team has experience with the design and implementation of epidemiological studies, assessment of occupational and environmental risk factors, data collection and statistical analysis, identification of vulnerable worker groups, and development of evidence-based preventive measures. A particular area of recent research is psychosocial risks at work, work-related stress and burnout. The team uses both standardised assessment approaches and objective methods to investigate stress- and burnout-related outcomes and their relationship with working conditions and other risk factors. The team also has experience in systematic reviews and meta-analyses, enabling evidence synthesis and quantitative assessment of associations between occupational or environmental exposures and health outcomes. This combination of epidemiological expertise, occupational health research, objective assessment methods and evidence synthesis provides a strong basis for contributing to multidisciplinary research on environmental and workplace determinants of health, prevention and intervention strategies.

Keywords Specifying Your Expertise: Occupational health; Environmental health; Occupational epidemiology; Workplace health; Workplace risk factors; Occupational

exposures; Environmental exposures; Psychosocial risks at work; Work-related stress; Burnout; Worker well-being; Mental health at work; Epidemiological research; Exposure assessment; Health risk assessment; Vulnerable worker groups; Prevention and intervention; Evidence-based prevention; Systematic reviews; Meta-analysis; Evidence synthesis; Objective assessment of stress and burnout; Health outcomes

Activity Offered: Research, Demonstration, Dissemination, Training, Technology

Involvement Proposed/Added-Value to Consortia: The Department of Public Health, Jessenius Faculty of Medicine, Comenius University in Slovakia, offers specific expertise relevant to the occupational health dimension of environmental health research. Our research focuses on the epidemiological assessment of workplace conditions and occupational risk factors and their potential impacts on workers' health. We can contribute expertise in the identification and assessment of occupational and environmental risk factors, epidemiological study design, data collection and analysis, and identification of vulnerable worker groups. In recent years, we have increasingly focused on psychosocial risks at work, work-related stress and burnout, including the use of objective methods to assess burnout- and stress-related outcomes. This expertise can contribute to research addressing the links between environmental or workplace exposures, psychosocial factors and health outcomes. We can also contribute expertise in systematic reviews and meta-analyses, including evidence synthesis, identification of risk and protective factors, and evaluation of available evidence to support evidence-based prevention strategies. Within a consortium, we could contribute to the design and implementation of epidemiological studies, assessment of occupational and environmental exposures, evaluation of health outcomes, development and evaluation of preventive or intervention measures, and translation of research findings into evidence-based recommendations. We are particularly interested in joining a consortium where occupational health can complement the broader environmental health perspective of the project. We would be interested in contributing as a research partner to relevant work packages, particularly those addressing exposure assessment, epidemiology, psychosocial and occupational health outcomes, prevention and intervention, or evidence synthesis.

PROFILE OF PARTNER SOUGHT

Role: Research, Dissemination, Training

Country / Region: Widening Countries

Expertise Required: Environmental health; Environmental epidemiology; Environmental exposure assessment; Occupational and environmental risk assessment; Environmental

epidemiology and exposome research; Toxicology; Exposure assessment and monitoring; Environmental determinants of health; Health impact assessment; Epidemiology; Public health; Occupational medicine; Psychosocial health; Prevention and intervention research; Environmental and workplace health

PREVIOUS EXPERIENCE

Short Introduction of Key Areas of your previous Research/Innovation projects: The Department of Public Health, Jessenius Faculty of Medicine, Comenius University in Bratislava, has extensive experience in national and international research projects relevant to environmental, occupational and public health. Previous project experience includes:

- APVV-19-0214 – Biocompatibility and Objectification of the Mains Frequency Electromagnetic Field in Densely Populated Areas – research addressing environmental exposure to electromagnetic fields and assessment of potential health-related effects.
- ITMS 313011AUA5 – COVCLIN: New Possibilities for the Management of Serious Diseases in Medical and Preventive Care with Regard to the Safety of Health Professionals – multidisciplinary research addressing the safety and health of healthcare professionals.
- INTERREG SK-CZ/2023/4_Vzdeláv. – NFP403401DYA6: Increasing the Level of Undergraduate and Postgraduate Education on Public Health Aspects of Water Contamination – cross-border cooperation focused on environmental contamination, water-related exposure and its public health implications.
- APVV-23-0355 – Public Health Significance of Natural and Anthropogenic Determinants of Human Exposure to Arsenic in Water– research focused on environmental exposure and assessment of its public health significance.

The researcher has particular experience in epidemiological research on occupational health and workplace risk factors, including work-related musculoskeletal disorders and psychosocial risks at work. Recent research has increasingly focused on work-related stress and burnout among healthcare professionals, including epidemiological assessment of burnout and associated risk factors. The research team also has experience in systematic reviews and meta-analyses, as well as validation of research instruments and assessment methods. Selected relevant publications: Ulbrichtova R, Jakusova V, Osina O, Zibolenova J, Kuka S, Hudeckova H. Association of the role of personal variables and nonoccupational risk factors for work-related carpal tunnel syndrome. Central European Journal of Public Health. 2020;28(4):274–278. doi:10.21101/cejph.a6109. Ulbrichtova R, Svihrova V, Tatarkova M, Hudeckova H, Svihra J. Acceptance of COVID-19 Vaccination among Healthcare and Non-Healthcare Workers of Hospitals and Outpatient Clinics in the Northern Region of Slovakia. International Journal of Environmental Research and Public Health. 2021;18(23):12695. doi:10.3390/ijerph182312695. Ulbrichtova R, Svihrova V, Tatarkova M, Svihra J Jr, Novak M, Hudeckova H. Prevalence of Burnout Syndrome in COVID-19 and Non-COVID-19 Units



in University Hospital: A Cross-Sectional Study. International Journal of Environmental Research and Public Health. 2022;19(19):12664. doi:10.3390/ijerph191912664. Ulbrichtová R, Svihrová V, Svihra J. Prevalence of COVID-19 Vaccination among Medical Students: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health. 2022;19(7):4072. doi:10.3390/ijerph19074072. Validation of the Slovakian Version of the “Post-acute (Long) COVID-19 Quality of Life Instrument” and Pilot Study. Ulbrichtová R, Vyšehradský P, Benčová A, Tatarková M, Osina O, Švihrová V, Hudečková H. Patient Preference and Adherence. 2023;17:1137–1142. DOI: 10.2147/ Ulbrichtová R, Baška T, Tatarková M, Malobická E, Štekláčová N, Kelčíková S, Hudečková H, Švihrová V. Physician burnout assessed by the Copenhagen Burnout Inventory – the impact of the Covid-19 pandemic: meta-analysis. BMC Health Services Research. 2026;26:1150. doi:10.1186/s12913-026-14886-4. This combination of experience in environmental and occupational exposures, epidemiological research, healthcare workers’ health, psychosocial risks and burnout, as well as systematic reviews and meta-analyses, provides a strong basis for contributing to multidisciplinary Horizon Europe research addressing environmental determinants of health and their impacts on workers and other vulnerable populations.

CONTACT DATA

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RESEARCH AREAS OF INTEREST

Pillar 1: Excellent Science: Research Infrastructures

Pillar 2: Global Challenges & European Industrial Competitiveness: Cluster 1: Health, Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture & Environment

Horizontal & Cross-Cutting Areas: European Partnerships (Institutionalised, Co-funded, Co-programmed), Widening Participation & Strengthening the European Research Area (WIDERA)

CONSENT TO INFORMATION SHARING

I agree with the publication of my contact data: Yes

