



PEROSH

PARTNERSHIP for EUROPEAN

RESEARCH in OCCUPATIONAL

SAFETY

and

HEALTH



SPEAKER

Speaker



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ABOUT PEROSH | HISTORY Myndigheten för arbetsmiljökunskap **Today** unisantė HSE 15 Finnish Institute of Occupational Health **Member Institutes** 14 ELINYAE INIS **European Countries** insst Instituto Nacional de Seguridad y Salud en el Trabaj **Joint Research Projects** Saua:
Bundesanstalt für Arbeitsschutz
und Arbeitsmedizin 2500 **OSH Experts** CIOP R PIB STAMI NATIONAL INSTITUTE OF OCCUPATIONAL LIFE INCIL THO innovation for life

ABOUT PEROSH | HISTORY

Main activities of the partnership

- Pool resources and create knowledge (joint research projects)
- Disseminate new findings on OSH issues
- Provide evidence base to national and EU level policies
- Identify OSH research challenges



ABOUT PEROSH | ORGANISATION

Organisation

Steering Committee

Chair: Steffen Bohni (NFA, DK)
Vice-chair: Armin Windel (BAuA, D)
Institutes' Directors General



Project Coordinators and **Project Members**





Jan Michiel Meeuwsen

Scientific Steering Group

Chair: Margrethe Schöning (STAMI, NO)
Institutes' Scientific Directors

Executive Committee

Chair, vice-chair, scientific chair, coordinator

Achieved Impact (1)

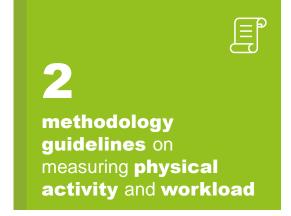








NECID database on exposure to manufactured nano particles







=→

Achieved Impact (2)

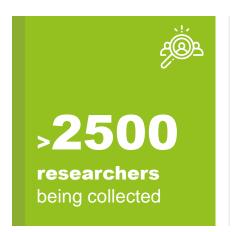


Successful advocacy of more attention for work and health in EU research programs









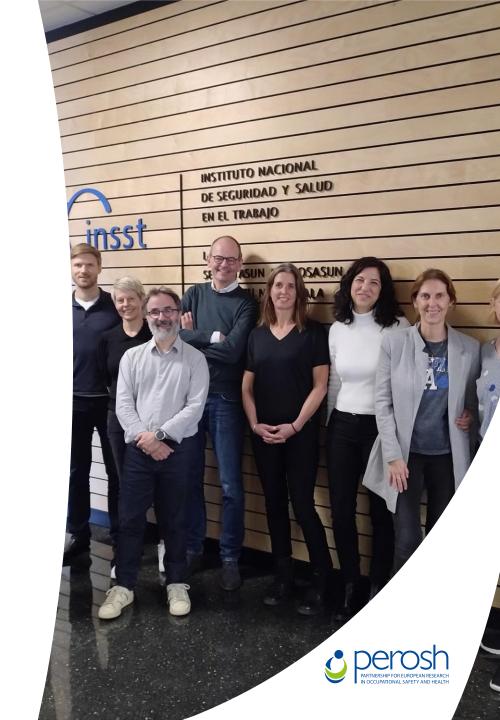




ALMA-AI: Algorithmic Management & Artificial Intelligence in the Workplace

- A PEROSH Joint Research Initiative (2024–ongoing)
- Key Objectives:
 - → Investigate how AI-based systems are reshaping work organisation.
 - → Assess psychosocial risks and Occupational Safety and Health (OSH) implications.
 - → Provide evidence-based recommendations for safer and fairer workplaces.
- Research Phases:
- Phase 1 (2024):
 - → Scoping review of literature on AI and OSH.
 - → Statistical analysis of existing EU datasets (EU-OSHA, JRC).
- Phase 2 (2025):
 - → Qualitative studies and stakeholder engagement.
 - → Dissemination aligned with EU-OSHA's digitalisation campaign.
- Consortium Members:

INSST (Spain), AUVA (Austria), CIOP-PIB (Poland), FIOH (Finland), INAIL (Italy), INRS (France), STAMI (Norway), TNO (Netherlands).



Algorithmic Management: Risks, Opportunities & OSH Impact

Psychosocial Risk Factors Identified:

- → Increased time pressure and workload.
- → Reduced autonomy and social interaction.
- → Surveillance and performance monitoring.

OSH Implications:

- → Mental health strain and stress-related disorders.
- → Need for human oversight and ethical safeguards.

Recommendations:

- → Transparency: Workers must understand how algorithms affect them.
- → Participation: Employees should help shape AI use.
- → Oversight: Human managers must remain involved.
- → **Regulation:** Align with EU AI Act to protect worker rights.

• Final Thought:

Technology should serve people—not replace their dignity or well-being.



PEROSH Asbestos Collaborative Network – Overview

Purpose & Goals

- → Harmonise asbestos workplace exposure assessment across Europe.
- Develop comparable methods for sampling, analysis, and data collection.
- → Enable sharing of exposure measurement results at EU level.
- Support implementation of effective risk management measures.

Network Composition

 Includes major OSH institutes: AUVA (Austria), BAuA & IFA (Germany), FIOH (Finland), HSE (UK), INAIL (Italy), INRS (France), INSST (Spain), NFA (Denmark), STAMI (Norway), TNO (Netherlands), CIOP-PIB (Poland), and new member ELINYAE (Greece).





Key Achievements So Far

Strategic Contributions

- → Input to EU Directive on Asbestos at Work and DG EMPL guidelines.
- → Draft guidance on AI use for asbestos analysis (collaboration with BAuA, IFA, NFA, HSE, TNO).
- → Development of harmonised exposure assessment framework.

Dissemination & Engagement

- Presentations at Asbestonomy 2024 (Madrid) and EC conference on Directive challenges.
- → News items and draft scientific paper prepared for publication.
- → Active workshops and webinars, including March 2024 Buxton meeting hosted by HSE.

Impact

- → Strengthened European collaboration on asbestos safety.
- → Enhanced scientific exchange and policy influence at EU level.



PEROSH New Joint Research Project: Working Conditions of Labour Inspectors

Objective:

To conduct a **transnational**, **exploratory analysis** of the **working conditions** and **technology use** within European Labour Inspectorates, aiming to inform future OSH strategies and policy development.

Key Components:

- Quantitative Survey: A shared questionnaire distributed across multiple countries in national languages.
- → Expert Panel & Delphi Survey: To project findings into future scenarios shaped by technological developments.
- Comparative Analysis: Cross-national comparison of digitisation levels and inspectorate practices.
- Outputs: Scientific publications, joint conference presentations, and policy recommendations.

• Why PEROSH?

The PEROSH network enables access to hard-to-reach target groups, supports mutual learning, and ensures broad dissemination across European OSH systems.

Confirmed Partners:
 IFA, AUVA, STAMI, with further participation encouraged.

