The National Research & Development Institute on Occupational Safety – INCDPM ”Alexandru Darabont” Bucharest

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Director General
Ph. D. Doru Costin DARABONT
Founded in 1951 by the Romanian Academy as The Institute of Hygiene, Health and Safety

Operates under the coordination of the Ministry of National Education

Unique R&D National Institute on Occupational Health and Safety (OHS) in Romania
Policy, mission, vision

Substantiates the development of the national strategy on health and safety at work and contributes in reaching its objectives to improve working conditions and the prevention of occupational risks, in national and international research programs - development and innovation.
Certifications and accreditations

- IQ Net and SRAC certifications of the integrated management systems

- NB 1805 – Notification of the a European Commission for the conformity assessment procedures according to:

- (Re)accredited certification body ICSPM-CS, certificat no. ON 011/1 și ON 011/2 / 2013 for machineries and PPE

- Authorized for workplace exposure monitoring by Government Decision 1772 / 2004

- Member of the National Register of Environmental Studies Elaborators
INCDPM is host to:

The Focal Point of the European Agency for Safety and Health at Work (www.protectiamuncii.ro)

CIS National Centre of International Labour Organization (www.ilo.org/cis)
The National Research & Development Institute on Occupational Safety – INCDPM ”Alexandru Darabont” Bucharest

Organizational structure

- Four R&D Departments with specialized laboratories
- Certification Body for PPEs & Machineries
- Training Centre
- International Relations Department
- PR, Documentation and Editing Office

Human resources: 86 employees

- 41 researchers: 16 Ph, 3 Ph D students, 3 MSc
- 21 technicians
- 24 administrative staff
Department of work systems

Syntheses and risk assessment Laboratory
OHS management Laboratory
Ergonomics Laboratory

➢ Development of tools for the risks assessment, the cost of work accidents, the effectiveness of the application of preventive measures

➢ Optimization of the national system of education, training and professional development in the area of safety and health at work

➢ Guidance to companies in the area of safety and health at work
Departament of work equipment

Laboratory of mechanical risks
Laboratory of electrical risks

- Identify and evaluate mechanical and electrical risks specific to operating work equipment and its maintenance,

- Develop technical and organization solutions for the work systems in accordance with safety requirements

- Provide technical support for sustainable development and competitiveness of Romanian enterprises.
Department for work atmosphere and environment

Chemical and biological hazards Laboratory

- Monitoring of chemical and biological agents for the workplaces and environment.
- Workplaces and environment impact and risk assessment.
- Development of tools for chemical agent management
- Technical advices for authorities and clients.

Analysis techniques: gravimetry, volumetry, electrochemical sensors, UV-VIS spectrophotometry, atomic absorption spectrometry, chromatography, microscopy for fibres and microbiological agents
Department for work atmosphere and environment

Noise and vibrations Laboratory

- Assess workers’ exposure to noise & vibrations, estimate and make scenarios to reduce exposure using noise maps
- Test technical equipment as for noise and vibrations
- Carry out environment impact studies – laboratory certified by the Ministry of Environment
Laboratory of the environment physics

- Monitoring of microclimate, lightening and non-ionizing radiations
- Optimize lightening and microclimate at the work place
- Provide consultancy and assistance to companies

**TESTING EQUIPMENT:** TESTO 435, Microtherm Heat Stress WBGT-CASELLA, Digital Hygro-Thermometer-Anemometer-Datalogger - HTA 4200 model, Luxmeter TESTO 545, Radiation meters for isotropic measurement of electromagnetic fields, EMR – 300, BN 2244/31-NARDA, Field detector
Laboratory tests specific to personal protective equipment, including semi manufactured goods and materials used for them:

- Occupational footwear for safety, protection and work;
- Filtering or insulating respirators;
- Protective gloves;
- Face and eyes PPEs
- Protective clothes and garments of flexible materials;
- Protective helmets;
- PPEs against falls from heights:
Certification body ICSPM-CS

Certification of work equipment
Certification of personal protective equipment

- NB 1805 – Notification of the a European Commission for the conformity assessment procedures
INCDPM hosts the Secretariat of 4 Technical Standardisation Committees and participates as member in other 18 Committees.

CT 54 – Ergonomy

CT 136 – Electric installations in constructions

CT 223 - Safety of technical equipment

CT 227 - Personal protective means

CT 240 - Lighting technique

CT 274 – Human protection against noise and vibrations

CT 279 - Exposure of human body to electromagnetic fields
International partners

- Finnish Institute of Occupational Health (FIOH), Finland
- Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA), Germany
- Central Institute for Labour Protection – National Research Institute (CIOP-PIB), Poland
- Hellenic Institute for Occupational Health and Safety (ELINYAE), Greece
- Health and Safety Laboratory (HSL), United Kingdom
- The French Research and Safety Institute for the prevention of occupational accidents and diseases (INRS), France
- Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), Spain
- Istituto Nazionale Assicurazione contro gli Infortuni sul Lavoro, INAIL, Italy
- Hungarian Institute of Occupational Health (OMFI), Hungary
- PREVENT, Belgium
- TNO, Holland
- Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa Departamento de Engenharia Mecânica e Industrial (DEMI), Portugal
- Groupement de l’Institution Prévention de la Sécurité Sociale pour l’Europe (EUROGIP), France
- Institute of Work, Health and Organisations, University of Nottingham (I-WHO), United Kingdom
- Kooperationsstelle Hamburg (KOOP), Germany
Research Activity

- National programmes: PNII, POSCCE, POSDRU
- International Programmes: FP7, TC OSH, European Commission projects
- Patents for workplace and environmental protection technical solutions, protective means
- Articles in peer reviewed journals
National Projects


**Coordinator:**
The National Research and Development Institute of Occupational Safety, Romania

**Partners:**
University of Medicine and Farmacy "Carol Davilla"
IRECSON – Romanian Institute for Economic-Social Research and Surveys
Academy of Economic Studies

2011-2014

**OSH policy relevance:**
Research and analysis of the OSH systems and activities in healthcare in the EU, with reference to the aspects of OSH in Romanian medical field, including the need for OSH related continuing professional education to the medical system

International Conference *Health and safety at work for competitive medical personnel*
11-12 October 2013, Bucharest, Romania
POSDRU/81/3.2/S/55075 Safety and health at work, a prerequisite for competitiveness [http://ssm-competitivitate.inpm.ro/]

Coordinator:
The National Research and Development Institute of Occupational Safety, Romania

Partner:
The Chamber of Commerce and Industry of Romania

2010-2013

OSH policy relevance:
Increasing the competitiveness and flexibility of businesses in hospitality and construction sectors, adaptation of market conditions for fewer accidents, improved working conditions and creating safer jobs in the two sectors.
Study on the establishment of occupational safety and health needed to implement national legislation transposing European directives in the field of "Social Policy and Employment"

The Ministry of Labour, Family, Social Protection and Elderly
2011-2012

Results: 13 guides
OSH Guide concerning the use of PPE
OSH Guide concerning the workplace
OSH Guide concerning construction sector
OSH Guide concerning manual handling of loads
OSH Guide concerning exposure to noise
OSH Guide concerning mechanical vibration
OSH Guide concerning display screens
OSH Guide concerning safety signs at the workplace
OSH Guide concerning exposure to biological agents
OSH Guide concerning exposure to chemical agents
OSH Guide concerning exposure to carcinogens and mutagens
OSH Guide concerning asbestos exposure
National Projects

Corporate social responsibility in the process of Europeanization and globalization. Opportunities and constraints for the Romanian economy – CSREX

Ministry of National Education
2008-2011

Coordonator:
The National Research and Development Institute of Occupational Safety, Bucharest, Romania

Partners:
National Scientific Research Institute for Labour and Social Protection Bucharest
National Research and Development Institute for Energy – ICEMENERG Bucharest
Center for Urban and Regional Sociology, CURS, Bucharest
Petru Maior University, Targu Mures, Romania
IRECSON – Romanian Institute for Economic-Social Research and Surveys
National Institute for Small and Medium Enterprises (INIMM)

OSH policy relevance:
Recommendations for CSR (OSH, quality and environment protection) improvement and visibility in the Romanian energy sector
International Projects

Topic Centre Work Environment (TC WE), later TC OSH INCDPM was contributor to EU-OSHA Agency publications, starting from content on the website to factsheets, comprehensive state of the art-studies and best practice reports.

1. Projects 2011 – 2012
- WE 10 25 – NANO
- WE 10 28 – Construction Sector
- OSH wiki ERO -10 06a - Management Systems
- OSH wiki ERO -10 06b – Accident Prevention
- OSH wiki ERO -10 06d – MSDs
- WE 11 01 – GPAWW
- WE 11 04 – WHP
- WE 11 09 – GENDER

2. Projects 2012 - 2013
- WE 11 12 A1 – Worker Participation
- WE 12-02b - Well-being at work
- WE 12-04-2 – Factsheet REACH & CLP
- OSH wiki ERO -11 04 - 7 – Standardization & Certification

See EU-OSHA Publications
International Projects

Projects FP 7

iNTeg-Risk CP-IP 213345-2,

NMP – Nanosciences, Nanotechnologies, Materials and new Production Technologies Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks

146 participants

PROMISLingua,

Coordinator: Inmark, Spania,
Partners: Inmark, UEAPME (Asociatia IMM-urilor din Europa), R-Tech, Germania; PROMIS@Service, Luxemburg; LinguaTech, Germania; INCDPM ”Alexandru Darabont” 2011-2013
VC/2014/0584 – HAZCHEM@Work

Service contract to create a database and develop a model to estimate the occupational exposure for a list of hazardous chemicals in the Member States of the European Union and in the EFTA/EEA countries

Coordinator:
Kooperationsstelle Hamburg IFE GmbH, Germany

Partners:
Federal Institute for Occupational Safety and Health (BAuA)
The National Research and Development Institute of Occupational Safety, Romania

2014-2016
EUOSHA-PRU/2014/FC-02
Improving occupational safety and health (OSH) in Micro and Small Enterprises in Europe

Coordinator:
HIVA – Research Institute for Work and Society, Belgium

Partners:
Cardiff University, UK
Aalborg University, Denmark
IVL Svenska Mjöeinstitutet, Sweden
Kooperationsstelle Hamburg IFE GmbH, Germany
Politecnico di Milano, Italy
Tallinn University of Technology, Estonia
The National Research and Development Institute of Occupational Safety, Romania
Institut Polytechnique de Bordeaux (IPB), France
Proposal for a Study on Improving Intervention of Labour Inspection in Micro and Small Enterprises Regarding Legislation Transposing EU OSH Directives

Coordinator:
VHP human performance, The Netherlands

Partners:
KOOP, Germany
TØI, Norway
Learnways AB, Sweden
FESVIAL, Spain
OSH National Institute Alexandru Darabont, Romania
Training Activity

Courses accredited by the National Authority for Qualifications

➢ “Safety and health at work professional”
➢ “Coordinator for safety and health at work” -
➢ “Auditor of quality management system for occupational health and safety”
➢ “Manager of the management system for occupational safety and health at work”
➢ “Manager of the environmental management system”
➢ “Safety coordinator for construction sites”
WHY INCDPM?

- Solid experience of almost 65 years
- Multidisciplinary specialists
- Activities accredited by competent authorities
- Reliable partner for research and business collaborations
Thank you for your attention!