



Foresight on new and emerging OSH risks associated with ICT by 2025

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European Agency for Safety and Health at Work (EU-OSHA)

The European Union body responsible for the collection, analysis and dissemination of relevant information to serve the needs of those involved in safety and health at work



In Bilbao (Spain), since 1996

Anticipating new and emerging OSH challenges

Background to EU-OSHA's work:

- **A mandate from the Community Strategies for OSH since 2002**
- **EU Strategic Framework on Health and Safety at Work 2014-2020**
 - Calls on EU-OSHA to “Anticipate possible negative effects of new technologies and changes in work organisation on workers' health and safety”
- **A priority in EU-OSHA's Multi-annual Strategic Programme 2014-2020**

EU-OSHA's work on new and emerging OSH challenges

- **Delphi studies on emerging physical, chemical, biological and psychosocial risks (2002-2006)**
- **Foresight on emerging OSH risks from new technologies in green jobs by 2020 (2010-2012)**
- **Scoping study for a foresight on emerging risks (2013-2014)**
 - “*The impact of ICT and work location on OSH*”: top ranking
 - Based on desk research and stakeholders' consultation
- **Foresight on emerging OSH risks associated with ICTs by 2025 (*on-going*)**
 - Link to the development of the EU Digital Single Market, a priority of the EU Commission

Foresight on emerging OSH risks associated with ICTs by 2025

Method: Foresight base on scenario-building

▪ **Scenario-building: a tool for strategic futures thinking**

- Doesn't assume the future is pre-determined
- Provides insight and stimulates debate into ways to shape the future

▪ **Scenarios of plausible, possible futures**

- Help gain insights into long-term developments
- To understand what decisions could help avoid/ encourage these futures

▪ **Participatory:**

- EU-OSHA's stakeholders actively involved
- Interviews & workshops with multi-disciplinary experts and policy-makers

▪ **Multidisciplinary**

- Mainstreaming OSH into other disciplines
- Societal, technological, economical, political context taken into account

Foresight project – Background information

- **Contractor: Health and Safety Executive, SAMI Consulting, Futurizon**

Work packages	Start	End
1.1. Key trends and drivers of change <i>PUBLISHED</i>	March 2016	November 2016
2. Scenario development and testing	December 2016	September 2017
3. Dissemination and promotion workshops	Q4 2017	2018

- **Final report to be published in November 2018**
- **All information available at:** <https://osha.europa.eu/en/developments-ict-and-digitalisation-work>

Beside the Foresight study:

▪ Expert Articles to stimulate debate

- Published:

Robotics; Additive manufacturing; Workers' monitoring technologies; E-retail sector; Crowdfunding; Performance-enhancing drugs

- Coming-up:

Artificial Intelligence; Exoskeletons; Social innovation

Available at: https://oshwiki.eu/wiki/Category:Identifying_new_and_emerging_risks

▪ Study on regulating OSH in the online platform economy

Published: <https://osha.europa.eu/en/tools-and-publications/publications/regulating-occupational-safety-and-health-impact-online-platform/view>

▪ Major OSH Overview on Digitalisation in 2020-22



**Thank you for your interest and
enjoy the workshop!**

**Find out more about EU-OSHA's foresight projects:
<https://osha.europa.eu/en/emerging-risks>**



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