



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

Focal Point Workshop, 23rd November 2017

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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 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 risks associated with ICTs by 2025 (on-going)**
 - Link to the development of the EU Digital Single Market, a priority of the EU Commission

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■ Scenario-building: a tool for strategic futures thinking

- Doesn't assume the future is pre-determined
- To provide insight and stimulate debate into ways to shape the future
- To mainstream OSH into other disciplines

■ Scenarios of plausible, possible futures:

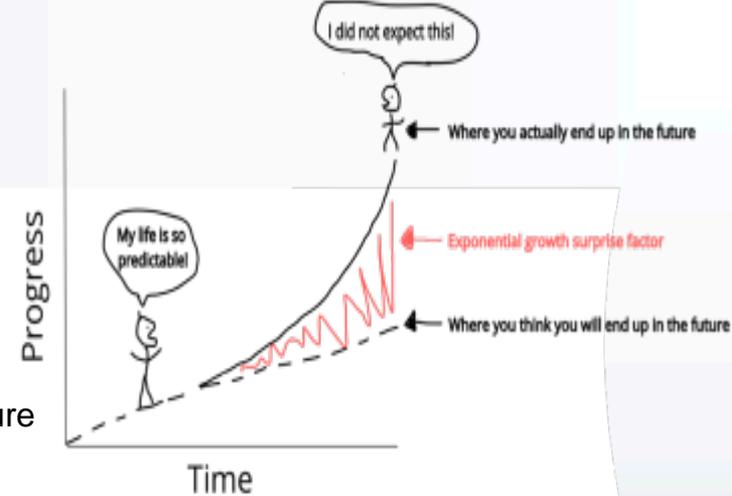
- Help policy-makers gain insights into long-term developments
- Better understand what decisions could help avoid/ encourage these futures

■ Participatory:

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

■ Multidisciplinary

- Societal, technological, economical, political context are taken into account



<https://singularityhub.com/2016/04/05/how-to-think-exponentially-and-better-predict-the-future/>

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Contractor: Health and Safety Laboratory, SAMI Consulting, Futurizon

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

Complemented with Expert review articles

To stimulate debate among stakeholders

- “Crowdsourcing”, by Prof. Huws, UK (2015)
- “Robotics”, by Dr. Adj.Prof. Kaivooja, FI (2015)
- “Performance-enhancing drugs”, Prof. Bloomfield & Dr. Dale, UK (2015)
- “Additive manufacturing”, by Jeroen Junte, NL (2017)
- “Workers’ monitoring technologies”, by Dr. Egon van den Broek, NL (2017)
- “The future of the (e-)retail sector” (2018)

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

- Regulating the occupational safety and health impact of the online platform economy (2017)

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

www.bbc.com/technology

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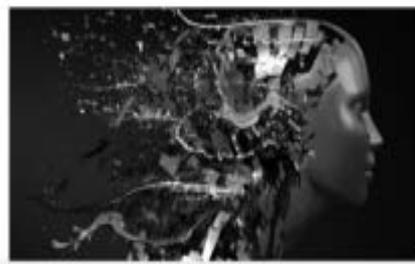



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By Jane Wollford
Technology reporter

12 January 2017 Technology



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