



Digital Skills for the New Industrial Age

European Chemical Social Partners' conference on "Our Future Workplace – Digital Transformation in the Chemical Industry", The Hague, 7 November 2019

Dr. Kristina Dervojeda, PwC Netherlands

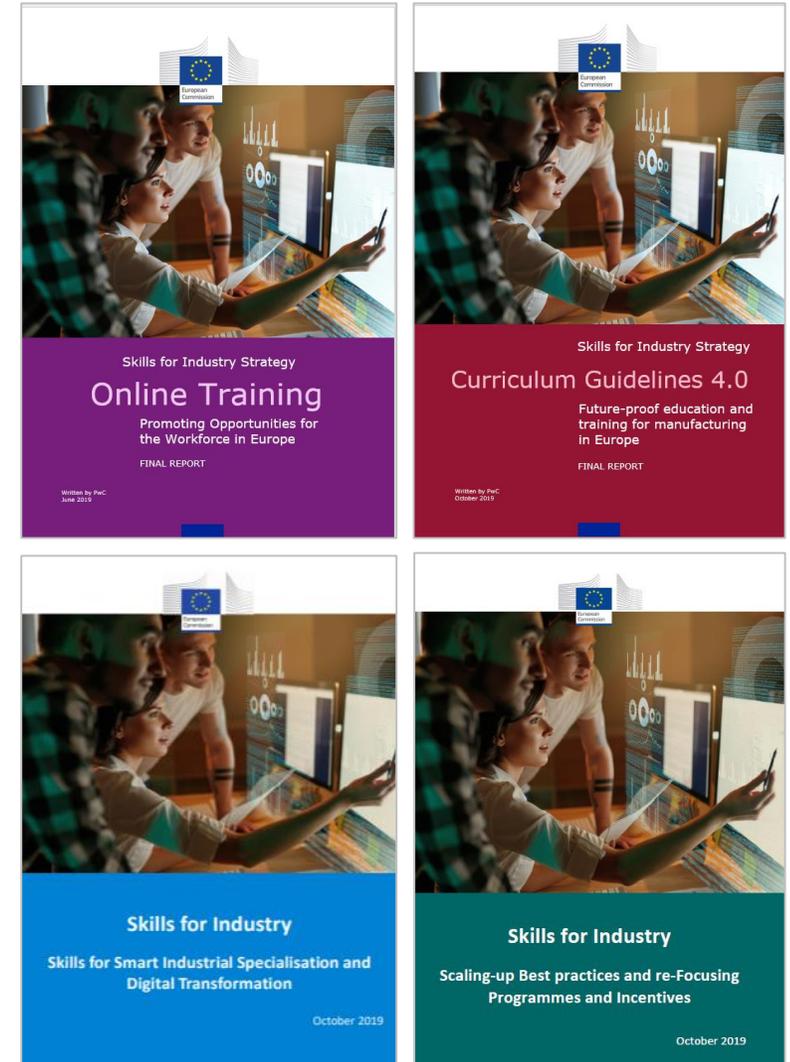


PwC and Skills initiatives for the European Commission

Co-creating the EU 2030 Skills Vision

- **“Promoting Online Training Opportunities for the Workforce in Europe”**, EASME/DG GROW of the European Commission, October 2017 – October 2019, led by PwC
- **“Curriculum Guidelines for Key Enabling Technologies (KETs) and Advanced Manufacturing Technologies (AMT)”**, EASME/DG GROW of the European Commission, January 2018 – December 2019, led by PwC
- **“Skills for Smart Industrial Specialisation and Digital Transformation”**, EASME/DG GROW of the European Commission, October 2017 – November 2019, led by PwC
- **“High-Tech Skills for Europe: National Policies and Funding Programmes for Skills Development”**, EASME/DG GROW of the European Commission, August 2017 – October 2019, led by empirica, with PwC NL on board

For more information please visit: <https://skills4industry.eu/>



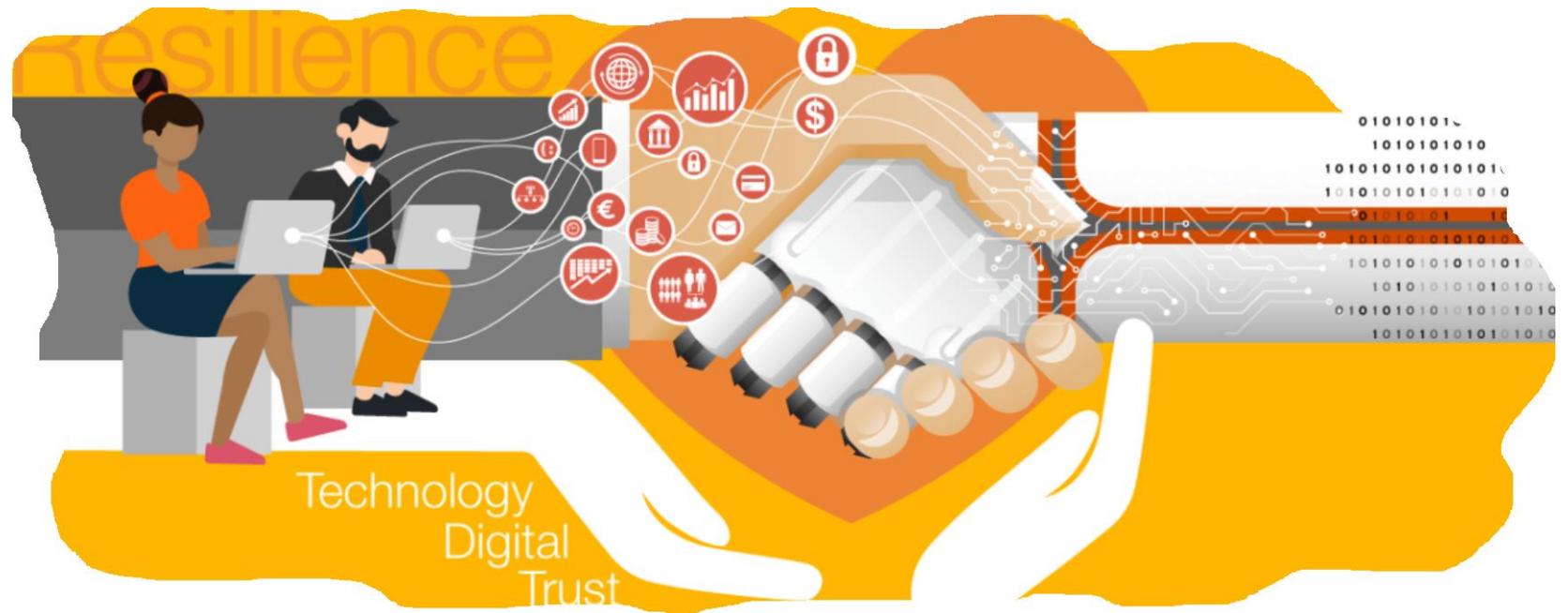
Defining Digital Skills

An evolving concept

- Digital skills imply the need to adopt not only to technological innovations, but **also to emerging societal challenges** (e.g. privacy and ethical issues, mental and physical health related to digitalisation etc.)
- There are **multiple definitions** of digital skills, and the concept is constantly evolving.

- Digital skills **go beyond** the ability to use digital technology to obtain, produce and share information.

- Digital skills **also imply the ability to solve complex problems, and critically process and evaluate (digital) information.**



For more information, see UNESCO (2018): <https://unesdoc.unesco.org/ark:/48223/pf0000261853>

DIGCOMP 2.0

The Digital Competence Framework

- Interacting through digital technologies
- Sharing through digital technologies
- Engaging in citizenship through digital technologies
- Collaborating through digital technologies
- Netiquette
- Managing digital identity

- Browsing, searching and filtering data, information and digital content
- Evaluating data, information and digital content
- Managing data, information and digital content



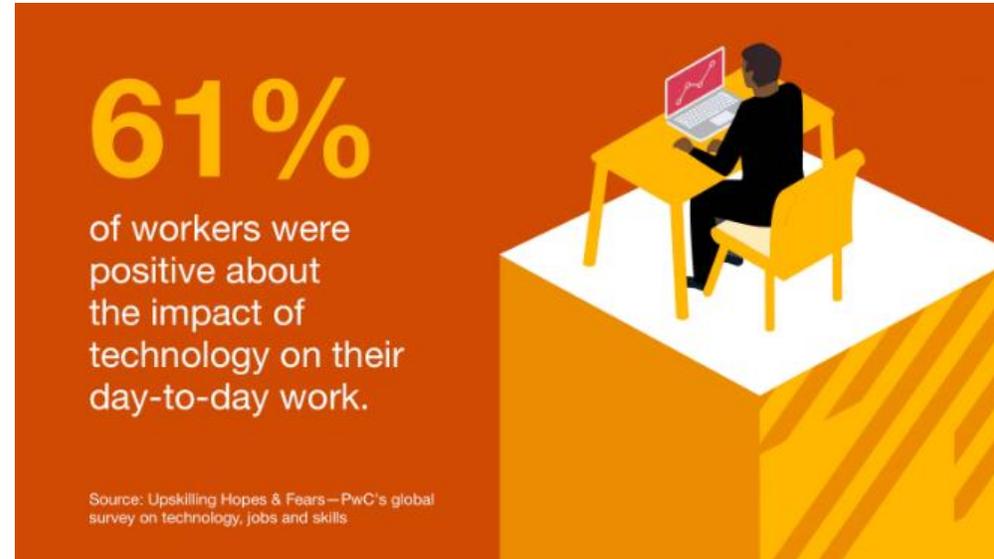
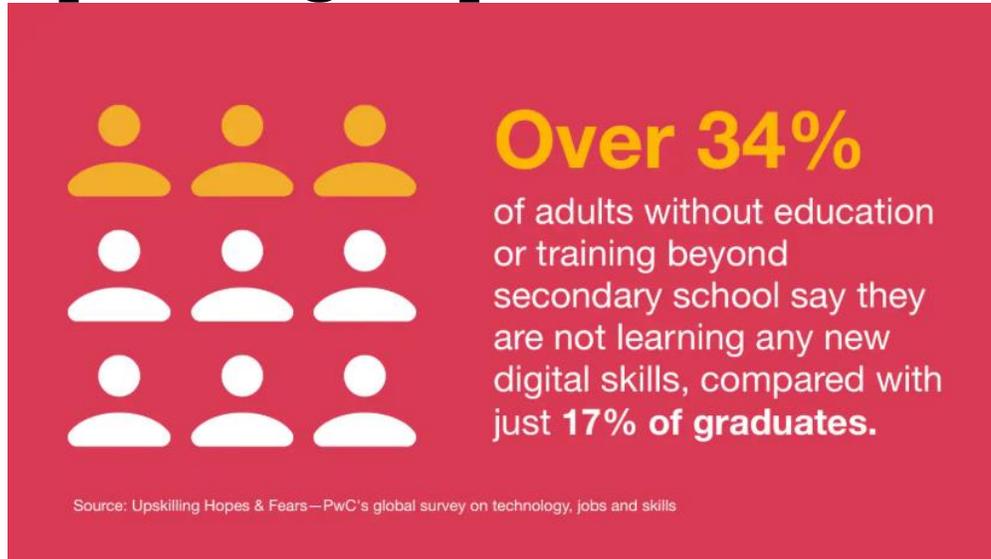
- Developing digital content
- Integrating and re-elaborating digital content
- Copyright and licenses
- Programming

- Protecting devices
- Protecting personal data and privacy
- Protecting health and well-being
- Protecting the environment

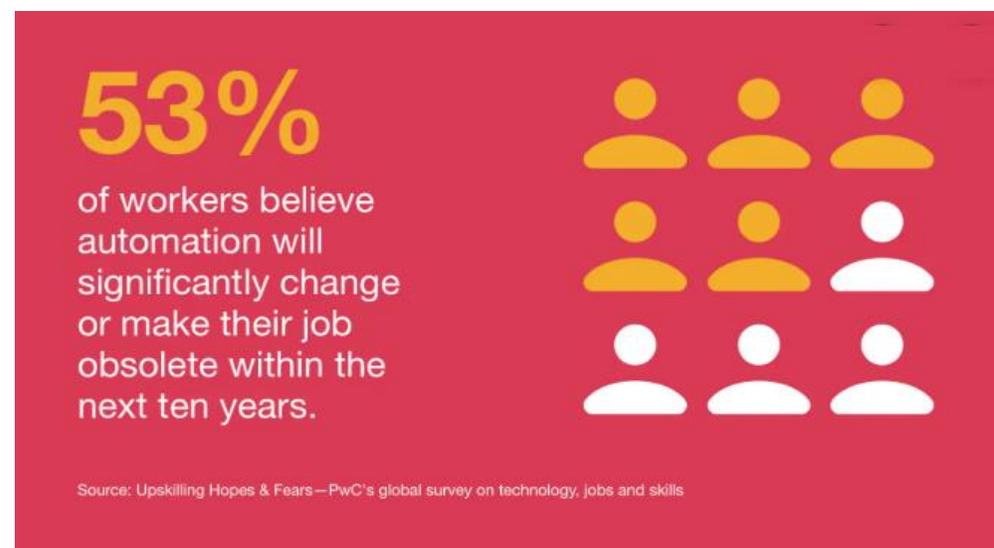
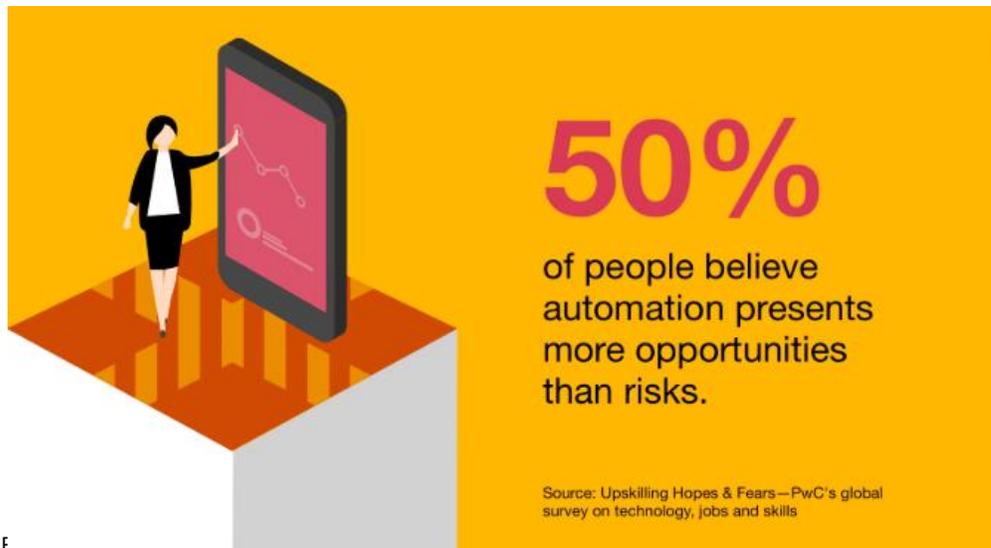
- Solving technical problems
- Identifying needs and technological responses
- Creatively using digital technologies
- Identifying digital competence gaps

PwC's Global Survey on Technology, Jobs and Skills

Upskilling Hopes & Fears



- Release date: 9 September 2019
- PwC research of more than 22,000 adults across 11 countries worldwide



*Towards future-proof
curricula for
manufacturing
professionals in the
new industrial age*

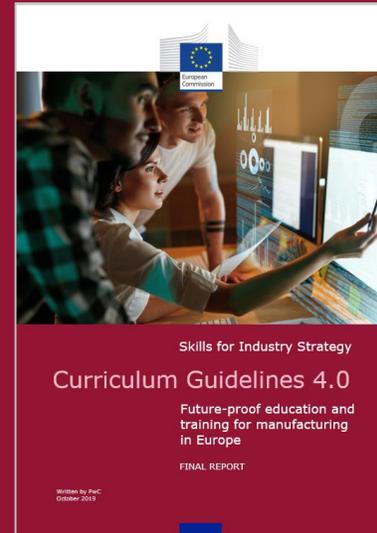
Skills for Industry: Curriculum Guidelines 4.0

High-level conference

Brussels, 26 November 2019

Registration is now open at: <http://skills4industry.eu/>

The conference will focus on new solutions, best practices and policy measures that reflect the need to upskill and reskill European manufacturing professionals, and that would truly support learners, enterprises (particularly SMEs), and education & training providers in this challenge.



Thank you very much for your attention!

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