

intervene in conflict zones. The AI revolution that began in the 2000s emerged from the combination of machine learning techniques and 'big data'. The algorithms behind these systems work by identifying statistical correlation in the data they analyse, enabling them to perform tasks which a human would require intelligence to perform.

Digital skills in the EU labour market

In-depth Analysis by Monika Kiss, European Parliamentary Research Service, January 2017

Digital technology is more and more interwoven into every field of public, private and working life. Consequently, digital skills have growing importance for everybody. How can society and citizens, in particular vulnerable groups, such as the disabled or long-term unemployed, get onto the digital train and stay abreast of new technologies and methods? How can digital skills at the workplace be developed and used more efficiently? This publication seeks to answer such questions through describing the characteristics and types of digital skills, and exploring their presence in society and on the labour market. It further analyses the digital literacy of workers, gives an overview of EU-level actions undertaken in this domain, and points to some best practices.

Further reading:

EU electronic communications code and co-investment, *Briefing by Tambiama Madiaga, EPRS, February 2018*

The Social Protection of Workers in the Platform Economy

Study by European Parliament Policy Department for Economic and Scientific Policies, December 2017

The future of work in the EU

Briefing by Monika Kiss, European Parliamentary Research Service, April 2017

WiFi4EU - Promotion of internet connectivity in local communities

'EU Legislation in Progress' briefing by Christian Scheinert, EPRS, November 2017

The new European electronic communications code

'EU Legislation in Progress' briefing by Marcin Szczepanski, EPRS, November 2017

Optimal Regulatory Model for Telecommunications Services in the EU

Study by European Parliament Policy Department for Economic and Scientific Policies, March 2017

Achieving a sovereign and trustworthy ICT industry in the EU

Study by the Scientific Foresight Unit (STOA), European Parliamentary Research Service, December 2017

Innovation, research and the use of data in the digital age

Developing supercomputers in Europe

Briefing by Mar Negreiro, European Parliamentary Research Service, October 2017

A number of companies, universities and start-ups are racing to develop the fastest supercomputer in global rankings. So far China, Switzerland and the US occupy the top four places, while the EU does not feature in the top 10. To address the situation, the European Commission has launched, as part of its European cloud strategy, a target plan to acquire and develop European high-performance computers that would rank among the world's top three by 2022. This would allow European science and technology actors to regain competitive advantage.

Free flow of non-personal data in the European Union

'EU Legislation in Progress' briefing by Mar Negreiro, European Parliamentary Research Service, December 2017

The Commission presented a proposal for a regulation on a framework for the free flow of non-personal data on 13 September 2017. It aims to establish the principle of free movement of non-personal data in the Union and enable easier switching of cloud-service-providers for professional users. In December 2017, the Council agreed its position which would allow Member States to impose data localisation requirements only when these are justified on grounds of public security. Work in the European Parliament is currently ongoing within the Committee on the Internal Market and Consumer Protection.

Data flows- Future Scenarios

In-depth Analysis by European Parliament Policy Department for Economic and Scientific Policies, November 2017

Prepared at the request of the European Parliament's Committee on Industry, Research and Energy (ITRE), this paper examines the current state of play in the open data market and the legal framework in the EU. Barriers and possible solutions are identified in the form of future scenarios to 2020-2025. The key policy recommendation is to instigate a system of Open Data Licensing to drive access to open data, akin to open source software licensing.

Further reading:

[A renewed industrial policy strategy](#), Briefing by Marcin Szczepeński, EPRS, November 2017

[Digitising Industry \(Industry 4.0\) and Cybersecurity](#)

Briefing by European Parliament Policy Department for Economic and Scientific Policies, October 2017

[What if computers were trillions of times faster?](#)

'At a glance' note by Lieve Van Woensel, Scientific Foresight Unit (STOA), EPRS, January 2017

[What if blockchain technology revolutionised voting?](#)

'At a glance' note by Philip Nicholas Boucher, Scientific Foresight Unit (STOA), EPRS, September 2016

[What if I had to put my safety in the hands of a robot?](#)

'At a glance' note by Lieve Van Woensel, Scientific Foresight Unit (STOA), EPRS, November 2016

[What if your shopping were delivered by drones?](#)

'At a glance' note by Lieve Van Woensel, Scientific Foresight Unit (STOA), EPRS, May 2015

[ENISA and a new Cybersecurity Act](#)

'EU Legislation in Progress' briefing by Mar Negreiro, European Parliamentary Research Service, January 2018

[Reform of the e-Privacy Directive.](#)

'EU Legislation in Progress' briefing by Shara Monteleone, EPRS, September 2017

Opportunities and risks, including trust, security, and privacy in a digital economy

[Contracts for supply of digital content](#)

'EU Legislation in Progress' briefing by Rafał Mańko, European Parliamentary Research Service, February 2018

The digital content directive is part of a proposed package, with the online sales directive, to facilitate the development of the internal market for such content. The Council has agreed its approach, seeking to clarify the relationship between the proposed contract law rules and the personal data protection regime – a hotly debated issue. Furthermore, it would strengthen the position of consumers with regard to conformity and remedies.

[Disinformation, 'fake news' and the EU's response](#)

'At a glance' note by Naja Bentzen, European Parliamentary Research Service, November 2017

The impact of the online spread of mis- and disinformation – including false news posing as factual stories – became increasingly visible in the context of the crisis in Ukraine, and gained notoriety as a global phenomenon during the 2016 presidential election campaign in the United States. Ahead of the European elections in 2019, the EU's answers to these challenges are still only tentative.

Further reading:

[Understanding conspiracy theory](#), 'At a glance' note by Naja Bentzen, EPRS, April 2016.

[Contracts for the supply of digital content and personal data protection](#)

Briefing by Rafał Mańko and Shara Monteleone, EPRS, May 2017

[Consumer Protection Cooperation](#)

'EU Legislation in Progress' briefing by Nikolina Šajn, European Parliamentary Research Service, October 2017

[The proposed Directive on Copyright in the Digital Single Market \(Articles 11, 14 and 16\) Strengthening the Press Through Copyright](#)

Briefing by European Parliament Policy Department for Citizens' Rights and Constitutional Affairs, December 2017

[The Audiovisual Media Services Directive](#)

'EU Legislation in Progress' briefing by Ivana Katsarova, European Parliamentary Research Service, June 2017

[Assistive technologies for people with disabilities](#)

In-depth Analysis by Philip Nicholas Boucher, Scientific Foresight Unit (STOA), EPRS, January 2018

Ensuring an online platform economy that benefits businesses and consumers

[Online Platforms: How to Adapt Regulatory Framework to the Digital Age?](#)

Briefing by European Parliament Policy Department for Economic and Scientific Policies, September 2017

Platforms, understood as a method of organising digital markets that allows two groups of users (suppliers and customers) to meet, are one of the pillars of the digital market. They facilitate its development, providing

adequate solutions to the needs of the sharing, collaborative, data, and P2P economies. Platforms that often operate as marketplaces have a triangle structure where users must first conclude a contract with the platform to be subsequently able to conclude contracts among themselves. The status of platform user is very often difficult to define, as platforms allow rapid development of the activities pursued, which pushes users outside the realm of consumer. These two characteristics make platforms difficult to fit with the EU market and consumer regulations.

[Boosting e-Commerce in the Digital Single Market: A Foundation for European Growth and Competitiveness](#)

In-depth Analysis by European Parliament Policy Department for Economic and Scientific Policies, September 2016
This paper reviews global trends in e-commerce and provides an analysis of the opportunities a Digital Single Market (DSM) would create for European entrepreneurs. The paper argues that the economic impact of the DSM could be enhanced by placing greater attention on the enabling conditions for entrepreneurial success, particularly by ensuring entrepreneurs have access to anchor customers, an ample supply of growth capital, sophisticated management talent and well-coordinated supports for scale-ups and internationalisation. This document was prepared at the request of the Committee on Internal Market and Consumer Protection.

Further reading:

[Understanding non-tariff barriers in the single market](#)

Briefing by Marcin Szczepanski, European Parliamentary Research Service, October 2017

[Geo-blocking and discrimination among customers in the EU](#)

'EU Legislation in Progress' briefing by Tambiama Madiaga, EPRS, February 2018

[Perspectives on transatlantic cooperation: Digital Economy](#)

Briefing by Risto Nieminen, European Parliamentary Research Service, July 2016

[Fact Sheets on the European Union: The ubiquitous digital single market](#)

Fact sheet by Mariusz Maciejewski / Louis Dancourt / Magdalena Dimova / Chloe Grondin, European Parliament Policy Department for Economic and Scientific Policies, November 2017

[Single digital gateway](#)

'EU Legislation in Progress' briefing by Christian Scheinert, EPRS, September 2017

[The Juncker Commission's ten priorities: State of play in early 2018](#)

In-depth analysis by Étienne Bassot and Wolfgang Hiller, EPRS, January 2018

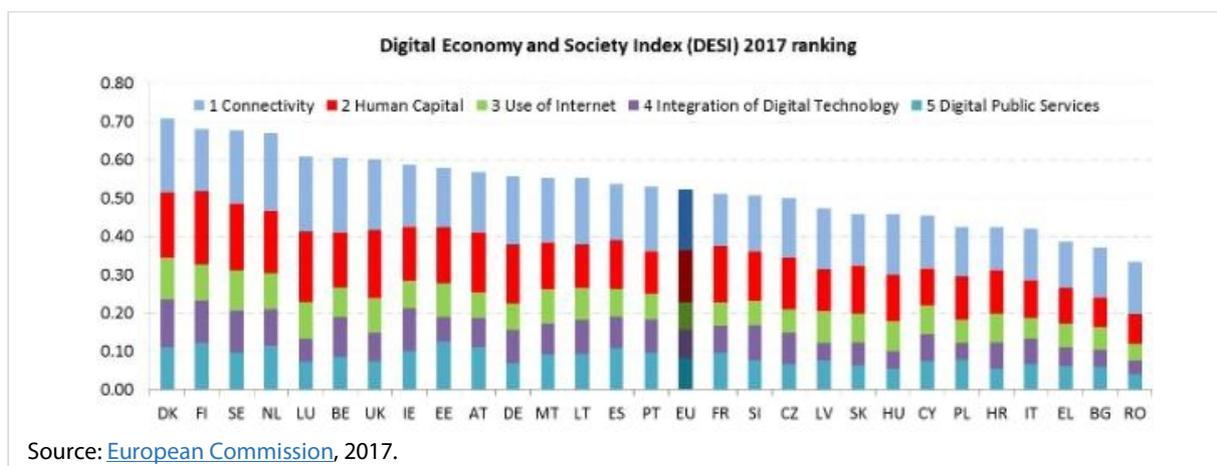
[The role of eGovernment in deepening the Single Market](#)

Briefing by Marcin Szczepanski, European Parliamentary Research Service, October 2017

[Reducing costs and barriers for businesses on the Single Market](#)

Study for the IMCO Committee, April 2016

More in the Graphics Warehouse



Source: [European Commission](#), 2017.

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<https://epthinktank.eu/high-level-conferences>
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