Digital challenges for Europe

The rapid development of digital technologies is posing a challenge to the European Union, spurring initiatives to catch up with the US and China in the area, notably in the context of the digital single market. Among the dilemmas are how to reconcile Europe’s sensitivity towards protecting private data with the need to use them in many algorithms, and ensure that automation and artificial intelligence strengthen rather than weaken labour market participation.

This note offers links to a series of some recent commentaries and reports from major international think tanks and research institutes on digital challenges. Many earlier papers on the issue can be found in a previous item in the series, published in July 2018. Many reports on cybersecurity are available in a publication from October 2018.

**The case for intelligent industrial policy**
Bruegel, October 2019

**5G: What we talk about when we talk about trust, the EU risk assessment process**
European Centre for International Political Economy, October 2019

**Analytical report: Preparing the armed forces for disruptive technological changes**
European Policy Centre, September 2019

**On-location client-determined moderately skilled platform work**
Centre for European Policy Studies, September 2019

**Banking, FinTech, Big Tech: Emerging challenges for financial policymakers**
Bruegel, September 2019

**Blockchain is the real thing**
Centre for European Policy Studies, September 2019

**In an era of digitalisation, the Single Market needs a software update**
Bruegel, September 2019

**Jobs and robots: Europe’s debate over the destiny of the welfare state**
Bruegel, September 2019

**China’s digital trade success: Two different perspectives**
European Centre for International Political Economy, September 2019
The end of techno-utopianism
German Marshall Fund, September 2019

Making the Single Market work: Launching a 2022 masterplan for Europe
European Policy Centre, August 2019

Artificial Intelligence prediction and counterterrorism
Chatham House, August 2019

Machine politics: Europe and the AI revolution
European Council on Foreign Relations, July 2019

How to strengthen Europe’s agenda on digital connectivity
Clingendael, July 2019

Creating a digital roadmap for a circular economy
European Policy Centre, July 2019

Europas nächste Schritte für die erfolgreiche Gestaltung der Digitalisierung
Konrad Adenauer Stiftung, July 2019

Digitalisation and European welfare states
Bruegel, July 2019

Europe’s 5G wake-up call
Centre for European Policy Studies, July 2019

The impact of digitalisation on labour market inclusion of people with disabilities
Centre for European Policy Studies, July 2019

Exploring media literacy education as a tool for mitigating truth decay
Rand Corporation, July 2019

Sustainability in the age of platforms
Centre for European Policy Studies, June 2019

The EU’s security union: A bill of health
Centre for European Reform, June 2019

Harnessing artificial intelligence
European Council on Foreign Relations, June 2019

Zeit für ein Update: was die Menschen in Deutschland über Digitalisierung denken
Friedrich Ebert Stiftung, June 2019

Europe and the digital arms race: Is winter coming?
Centre for European Policy Studies, June 2019
Digitalization and the future of work: Macroeconomic consequences
Zentrum für Europäische Wirtschaftsforschung, June 2019

Europe’s digital future: United and determined to win
Friends of Europe, June 2019

Why all the Facebook fire? Because it is the most cynical
German Marshall Fund, June 2019

Digitalsteuer in der EU – wo stehen wir?
Bertelsmann Stiftung, Jacques Delors Institute, May 2019

The future of work? Work of the future! On how artificial intelligence, robotics and automation are transforming jobs and the economy in Europe
European Political Strategy Centre, May 2019

Europe: The global centre for excellent research
Bruegel, May 2019

Norm contestation in the digital era: Campaigning for refugee rights
Chatham House, May 2019

Do data policy restrictions impact the productivity performance of firms and industries?
European University Institute, Robert Schuman Centre for Advanced Studies, April 2019

A roadmap for a fair data economy
Lisbon Council, April 2019

Is this blog post legal (under new EU copyright law)?
Bruegel, April 2019

New digital threats to media pluralism in the information age
European University Institute, Robert Schuman Centre for Advanced Studies, March 2019

Security first, technology second: Putin tightens his grip on Russia’s Internet, with China’s help
Deutsche Gesellschaft für Auswärtige Politik

Users, data, networks: Taxing the digital economy
Jacques Delors Institute, Bertelsmann Stiftung, March 2019

Artificial Intelligence: Ethics, governance and policy challenges
Centre for European Policy Studies, February 2019

Escaping the startup trap: Can policymakers help small companies grow to major employers
Progressive Policy Institute, February 2019
5G, Huawei und die Sicherheit unserer Kommunikationsnetze
Stiftung Wissenschaft und Politik, February 2019

The European Digital Single Market: Delivering economic benefits for citizens and businesses
Bruegel, January 2019

Transformation numérique de l'industrie: L'enjeu franco-allemand
Institut français des relations internationales, January 2019

Four internets: The geopolitics of digital governance
Centre for International Governance Innovation, January 2019

Digital Europe: Next steps, a European Agenda for the Digital-9+
Lisbon Council, November 2019

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