

## Module 8

# Opportunities and challenges for the business envisaged in the 2020 European Strategy for Data



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The logo features the word "SME" in small, multi-colored letters above the word "Data" in a large, bold, blue font. Five yellow stars are arranged in an arc above the "Data" text.

# In brief...

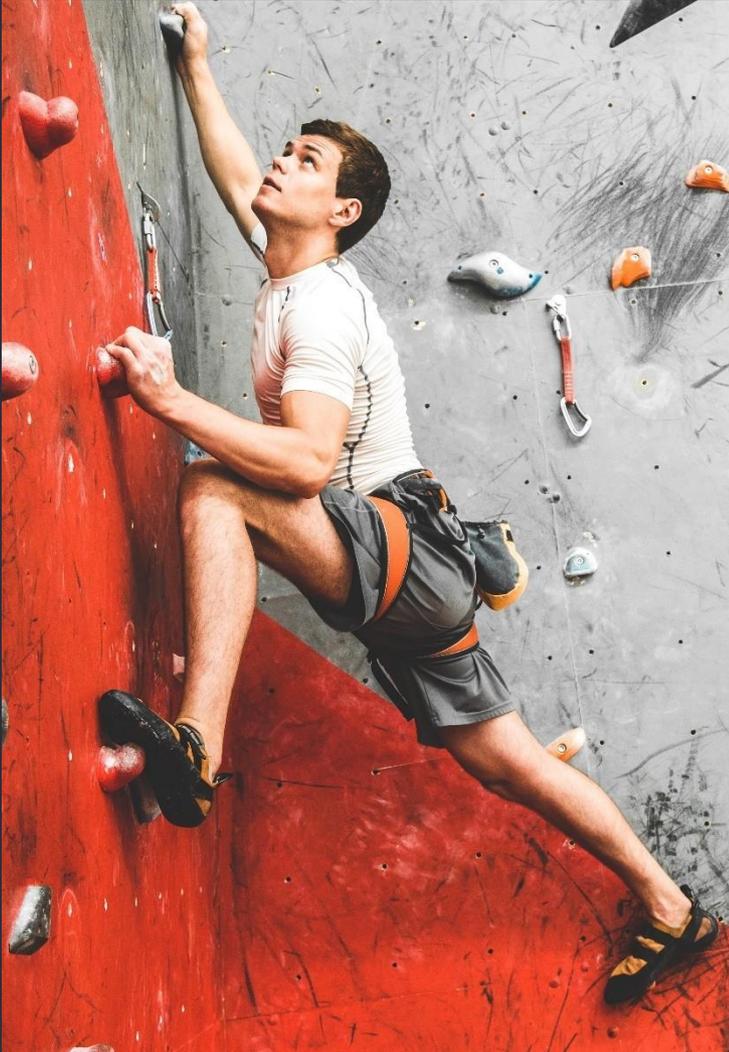
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- Towards the creation of a single European data space
- Ambition to enable the EU to become the most attractive, most secure and most dynamic data-agile economy in the world
- Making it easier for businesses to access high-quality data to boost growth and create value
- Open, fair and democratic data economy model
- Fair, practical and clear rules for data access combined with trustworthy data governance mechanisms



# Facing challenges

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- Availability of data
- Imbalances of market power
- Data interoperability and quality
- Data governance
- Data infrastructures and technologies
- Empowering individuals to exercise their rights
- Skills and data literacy
- Cybersecurity

# The four pillars of 2020 European Strategy for Data

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# | 1 | General governance framework

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1/ Strengthening the governance mechanisms relevant for cross-sector data use and for data use in the common sectoral data spaces (both public and private players)

- Proposal for Regulation on data governance

Introduction of the concept of data altruism and the possibility for organizations to register as “Data Altruism Organization recognized in the Union.”

2/ Making more high-quality public data available for re-use, in particular by SMEs

- Expected Implementing act on high-value data sets under the Open Data Directive

Facilitating the reuse of public sector data which cannot be made available as open data

3/ Exploring the need for legislative action on issues that affect relations between actors in the data-agile economy

- Proposal for a Data Act
- Analysis of the importance of data in the digital economy and review of existing policy framework in the context of the Digital Services Act Package



# |2| Enablers: Investments in data and strengthening Europe's capabilities and infrastructures

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- Supporting data-driven innovation
- Stimulating demand for products and services relying on data

2021-2027 EU funding for European data spaces and federated cloud Infrastructures, incl.

- infrastructures
- data-sharing tools
- architectures
- governance mechanisms

for thriving data-sharing and AI ecosystems.

Also funding for:

- Edge computing
- High-performance computing/quantum computing
- Cyber-security
- Low-power processors
- 6G networks

- Supporting progress on data technologies
- Enabling access to competitive, secure and fair European cloud services

A “cloud rulebook” to offer a compendium of existing cloud codes of conduct and certification on security, energy efficiency, quality of service, data protection and data portability

Common standards and requirements re: public procurement of data processing services

Cloud services marketplace for EU users

# |3| Competences: empowering individuals, investing in skills and SMEs

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- Empowering individuals with respect to their data
  - Enhancing the portability right
  - More control over who can access and use machine-generated data
- Investments in skills and general data literacy
  - Funding for expanding the digital talent pool under the Digital Europe programme
  - Updated Digital Education Action Plan for increased general data literacy
- Dedicated capacity building for SMEs
- Obligations on providers of certain data-sharing services: personal data apps or novel data intermediaries
  - Some challenges for the use of new technology tools (EPRS Blockchain and the General Data Protection- Can distributed ledgers be squared with European data protection law?)
- Guaranteeing the novel data intermediaries' role as trustworthy organizers of data sharing



# |4| Common European data spaces

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Common European Data Spaces in the following strategic sectors and domains of public interest:

- Industry (Manufacturing)
- Green Deal
- Mobility
- Health
- Finance



- Energy
- Agriculture
- Public Administration
- Skills