



A European Strategy for Data

Practical steps towards the Data Economy

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What does Data Economy mean?

- New business models/opportunities, built on data
- A culture of **data sharing and reuse**
- Opportunity to **monetize** your data assets
- **Empowering** data subjects: I can decide what happens to “my data”
- The key to data sharing is to make it **attractive, easy** and **safe**

What does Data Economy require?

- Creativity (new business models)
- Skills, awareness (technology, legislation...)
- Technology (to make data sharing robust and safe)
- Infrastructure, interoperability (to not have to reinvent the wheel)
- Regulation (to know what can be done)

European Strategy for Data (19/2/2020)

Outlines policy measures and investments to enable the data economy and promote European leadership in it

- Investment in infra, tools, architectures, governing mechanisms, cloud federation
- Common European Data Spaces in key sectors
- Legislative measures (data governance, access, reuse)

European Data Framework

Common European data spaces

Health

Manufacturing

Agriculture

Finance

Mobility

Environment

Energy

Rich pool of available data (open and closed)

Free flow of data across sectors and countries

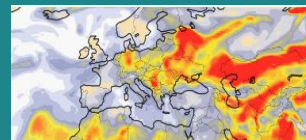
Data governance (GDPR, data sharing)

- Technical tools for data pooling and sharing
- Standards & interoperability (technical, semantic)
- Sectoral data governance (contracts, licenses, access rights, usage rights)
- IT capacity, including cloud storage, processing and services

Personal data platforms



High-value data sets from the public sector



e.g. weather, geospatial, statistics.



Digital Europe (2021-27)

New programme: deployment, capacity-building to digitise the society (especially public sector)

Commission proposal 2018, adoption expected in second half of 2020

How it supports Data Economy:

- Common European **Data Spaces** (next step from data platforms)
- Support for High-value datasets, data sharing

Horizon Europe (2021-27)

Successor of Horizon 2020 programme

Commission proposal 2018, adoption expected in second half of 2020

How it supports Data Economy:

- Technologies for extreme-scale analytics
- privacy-preserving technologies
- Technologies for data sharing/interoperability

Recast of the PSI directive – the OD directive

Some novelties:

- High Value Datasets (HVD): Datasets to be made available for free, in machine-readable formats, via APIs and (where relevant) as bulk downloads
- Principle: open by design and by default
- Extended scope: now covers also
 - Publicly-funded research data
 - Data held by public undertakings (e.g. public transport)