



2030 DIGITAL COMPASS

THE EUROPEAN WAY
FOR THE DIGITAL DECADE

Compliance technologies, policy and implementation

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European Commission, CNECT.G.1

Data Policy and Legislation

[European Data strategy](#) – Common European Data Spaces; Feb 2020

[Open Data Directive](#): transposition D/L: 2021; implementing act on [High-Value Datasets](#), HVD): in force since Feb 2023; applies from June 2024

[Data governance act](#) (in force since June 2022; applies from Sep 2023)

[Data act](#) (in force Jan 2024; applies from September 2025)

[AI act](#) (in force Aug 2024; staged application)

The Mission Letter

“You will present a **European Data Union Strategy** drawing on existing data rules to ensure a simplified, clear and coherent legal framework for businesses and administrations to share data seamlessly and at scale, while respecting high privacy and security standards.”

Mission Letter to Henna Virkkunen

Executive Vice President for Tech Sovereignty, Security and
Democracy



Compliance projects over time (>200MEUR, 34 projects)

Horizon 2020 Call 2016 (8 + 1 MEUR, 3 RIA, 1 CSA)

ICT-18-2016: Privacy-preserving Big Data Technologies

Methodologies for privacy preservation: multi-party computing, homomorphic encryption, anonymization/pseudonymization

Horizon 2020 Call 2018/2019 (10 + 48 MEUR, 4 RIA, 9 IA)

ICT-13-2018-2019: Supporting the emergence of data markets and the data economy

Personal data protection, consent (more practical GDPR compliance), data sharing & trading models and platforms as sandboxes

Horizon Europe Call 2021 (52 MEUR, 5 RIA)

HORIZON-CL4-2021-DATA-01-01: compliance, Privacy preserving technologies

Special attention to green&responsible data operations, privacy preservation in particular use contexts (mobility, e-commerce, finance, healthcare, public administration, industry...)

Compliance projects over time (>200MEUR, 34 projects) *cont'd*

Digital Europe Call 2022 (20/9 MEUR, 4 Simple Grants)

DIGITAL-2022-CLOUD-AI-02-OPEN-AI - Public Sector Open Data for AI

Leveraging public sector data of high value, supporting the Open Data Directive and the implementing act on HVDs

Horizon Europe Call 2022 (52 MEUR, 4 IA)

HORIZON-CL4-2022-DATA-01-04 Data trading, monetizing, exchange, interoperability

Secure and trustworthy exchange of proprietary data, marketplaces, automated contracting

Horizon Europe Call 2024 (38 MEUR, 4 IA)

HORIZON-CL4-2024-DATA-01-01: AI-driven data operations and compliance technologies

Broader approach to compliance, first link to AI (data for AI, bias measures for datasets, Data Act article 10)

<https://digital-strategy.ec.europa.eu/en/policies/eu-data-projects>

Remaining challenges and new angles to compliance

Take compliance in the broad sense: legal/ethical compliance with any applicable rules & norms (including standards), not only Data/AI legislation, but sectoral legislation as well (agriculture, climate, financial reporting...)

Cut red tape, bureaucracy and reporting burden for companies, farmers, citizens... using data & AI; build in **automated reporting** in administrative systems and services.

Create systems and methods that (automatically) adapt to continuously changing legislation & rules & contexts (eLegislation)

Use of synthetic data where the use of real data is not possible?

Stay tuned for Horizon Europe and Digital Europe Work Programmes 2025!

Thank you!