European Commission

2030 DIGITAL DECADE

REPORT ON THE STATE OF THE DIGITAL DECADE 2024

State of the Digital Decade 2024

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The von der Leyen Commission (2024-29)

Political state-of-play

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- EC Political guidelines: Boost productivity with digital technologies.

- EC's first 100 days: AI Strategy and Data Union; share seamlessly and at large-scale).

- 2030 Digital Decade targets to be reviewed in 2026

- EU-wide cloud policy, Digital Wallet, quantum technologies

The Digital Decade policy programme 2030...

- is the first ever **digital strategy commonly agreed in December 2022 by EU institutions** with a multilevel governance.

- includes **a vision, concrete objectives and targets** as well as a **governance framework and mechanisms for working together**.

The 'State of the Digital Decade' Report (SDD)

- **Annual report on the EU's digital transformation** taking stock on progress towards Digital Decade objectives and targets to achieve in 2030 and includes **country reports** for each of the 27 Member States.

- Each Member State presents **a roadmap with measures they conduct** to reach 2030 targets and objectives.

Objectives: EU approach for digital transformation

Technological leadership for a competitive, sovereign and resilient EU

supporting digital ecosystems and scaling up innovative businesses, strengthening cybersecurity

A new digital deal for people

accompanying people in the digital transition, building safe, human centric and fundamental rights-based digital environment and technologies

Synergizing green and digital

develop measurements to monitor and assess the impact of digital, make digital greener, digital solutions for green transition

Digital Decade targets for 2030

The Digital Decade Policy Programme builds on already existing policies/budget programmes/strategies and **targets** along 4 cardinal points:

Skills

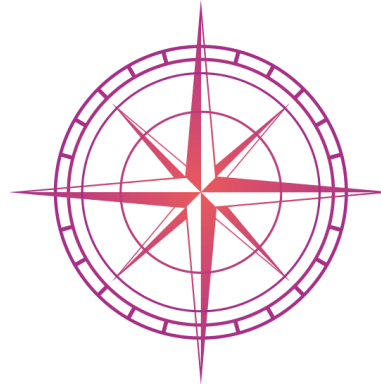**ICT Specialists:** 20 millions + more women in ICT
Basic Digital Skills: min 80% of population

Government

Key Public Services: 100% online
e-Health: 100% of citizens with online access to health records
Digital Identity: 100% citizens have access to digital ID

Infrastructures

Connectivity: Gigabit for everyone
Cutting edge Semiconductors: double EU share in global production
Data – Edge & Cloud: 10,000 climate neutral highly secure edge nodes
Computing: first computer with quantum acceleration

Business

Tech up-take: 75% of EU companies using Cloud, AI or Big Data
Innovators: grow scale ups & finance to double EU Unicorns
Late adopters: more than 90% of European SMEs reach at least a basic level of digital intensity

Key findings of the
SDDR 2024

SDDR2024: Progress towards 2030 targets

DIGITAL INFRASTRUCTURE

Indicator	NOW	2030 TARGET
Overall 5G coverage	89	100% coverage
5G coverage in 3.4-3.8 GHz*	51	100% coverage
Fibre to the Premises	64	100% coverage
Fixed Very High-Capacity Network	79	100% coverage
Semiconductors	55	20% of world production value
Edge nodes	1186	10 000
Quantum computing	1 by 2024	3 quantum computers

NOW — % of the target achieved — 2030 TARGET

DIGITAL TRANSFORMATION OF BUSINESSES

Indicator	NOW	2030 TARGET
SMEs digital intensity	64	90% SMEs
Cloud take-up	52	75% enterprises
Big data take-up**	44	75% enterprises
AI take-up	11	75% enterprises
Unicorns	263/500	498 (2 x 2022 baseline)

NOW — % of the target achieved — 2030 TARGET

DIGITAL SKILLS

Indicator	NOW	2030 TARGET
Basic digital skills	69	80% individuals
ICT specialists	9.8 million	20 million employed

NOW — % of the target achieved — 2030 TARGET

DIGITAL PUBLIC SERVICES

Indicator	NOW	2030 TARGET
Digital public services for citizens	79	Score /100
Digital public services for businesses	85	Score /100
Access to e-health records	79	Score /100
eID	85	27 MS with eID notified

NOW — % of the target achieved — 2030 TARGET

0 10 20 30 40 50 60 70 80 90 100

*Not a KPI but gives an important indication on high quality 5G coverage

** The former Big data indicator is now replaced by the take up of Data analytics technologies. Progress are not fully comparable.

SDDR 2024: Key findings

Technological leadership

EU R&I investments: 2.2%

US: 3.4% & China: 2.4%

Potential of the (Digital) Single Market remains untapped

Significant work yet ahead to reach the 2030 objectives and targets

Cyberattacks against EU are on the rise

A new digital deal for people

Only 56% of EU population have at least basic digital skills

e-ID schemes, digital public services and e-health records are growing

Need for a robust digital regulatory framework : DSA/DMA, AI Act...

Synergizing green and digital

Energy-efficient semiconductors and climate-neutral edge nodes are key

Science-based methodology through the European Green Digital Coalition

Need for cooperation between public and private actors for large scale projects

Recommendations from the SDDR 2024

What is needed: MS to intensify action

4 categories of recommendations to EU as a whole:

Mobilising investments	Completing the Digital Single Market
- Strengthen public support to reach market failure areas and facilitate 5G use cases - Step-up public investment in generative AI and incentivize private investments - Support use cases for the EU Digital Identity Wallet	- Transform the electronic communications sector and allow operators to reach critical size, following up on the White Paper on digital infrastructure - Accelerate action necessary for the implementation of the regulatory framework, particularly the DSA.
Disseminating technologies	**Fostering cooperation between MS**
- Uptake of cloud, leveraging the Uptake of cloud, leveraging the IPCEI-CIS - Procure sovereign AI solutions - Dialogue with regions and cities for best practices	- Accelerate EDICs (3 established) - Joint Economic Security risk assessment exercises - Leverage the Digital Decade Board

Luxembourg in SDDR 2024

Luxembourg strategic roadmap

- Demonstrates a **high ambition** showing that the country intends to allocate significant effort to achieve the Digital Decade objectives and targets.

- Presents **detailed plan of actions with 12 targets and trajectories** demonstrating willingness to contribute to the EU's Digital Decade common objectives and targets.

- Provides **most of the national targets and trajectories for 2030**, except for edge nodes and unicorns.

- Gives **targets in line with EU target values**.

- Includes policies and measures addressing **inclusion, resilience, cybersecurity, technological sovereignty, and sustainability.**

Luxembourg Country Report 2024

Luxembourg brings a **very strong contribution to the EU's Digital Decade objectives and targets**, in view of a successful digitalisation that fosters competitiveness, resilience, sovereignty, European values and climate action :

- The country performs already well in many of the Key Performance Indicators.

- Luxembourg put focus on digital issues and their growing political importance (see *"Accord de coalition", 2023*).

- Luxembourg is very active in collaborating at EU level, particularly through EDICs (MeluXina, MeluXina-Q).

- Luxembourg's Recovery and Resilience plan (RRP) allocates 37.5% of its RRP budget to the digital transformation (EUR 23.9 million – excluding REPowerEU).

I – Technology leadership

- Luxembourg **is on track to reach the 2030 EU targets for VHCN and 5G** and is closely monitoring if the white areas can be covered by 2030.

- In terms of **SMEs with basic level of digital intensity (57.8%),** Luxembourg performs broadly at the EU level (57.7%).

- Luxembourg is also focusing on cybersecurity and **setting up a sovereign national cloud** to give businesses, including SMEs, located in Luxembourg maximum security and guarantees to deploy further in a data-driven economy.

Recommendation example: Consider further awareness-raising measures and/or training directed at SMEs to adopt AI and data analytics as means to boost competitiveness.

II - People & Society

- The country can rely on a **high percentage of ICT specialists in employment** (8.0%).

- Furthermore, in 2023, **60.1% of the population had at least basic digital skills,** which is above the EU average (55.6%) but recent progress is slow.

- The country is a **front-runner in terms of digitalised public services** for people (94.8) and businesses (96.7), already close to the 2030 EU target

- It already **has a national e-ID scheme** in place to which citizen have access, with a national EU Digital Identity Wallet currently under development.

Recommendation example: Strengthen the strategy to develop the population's basic digital skills.

III – Green and Digital

- **Reduction of energy costs** are foreseen in line with the broad **e-governance strategy of Luxembourg,** hosting the **GovCloud in data centres highly efficient** in terms of energy use and cooling.

- **The rollout of smart meters** started in 2016 and is about to be completed.

Recommendation example: Monitor and quantify the emission reductions of the deployed digital solutions in line with the relevant EU guidance and with the support of the methodology developed by the European Green Digital Coalition

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