Brussels, 06 March 2019

WK 3229/2019 INIT

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WORKING PAPER

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WORKING DOCUMENT

From: Digital Europe
To: Working Party on Competitiveness and Growth (Internal Market)
Subject: A Stronger Digital Europe-Success Indicators by 2025
DIGITALEUROPE

A STRONGER DIGITAL EUROPE
WE CALL FOR A
STRONGER DIGITAL EUROPE

A Europe where digital technologies, innovation and artificial intelligence can provide Europe’s people with competitive jobs, better health and improved public services.

A strong unfragmented DIGITAL EUROPE that harbours digital Inclusion, Green growth, Innovation, Trust, Agile mission-based policy-making to bring prosperity and benefits for European society.
WE CALL FOR A STRONGER DIGITAL EUROPE

Digital Single Market
Inclusion
Green growth
Innovation
Trust
Agile & mission-based policy
Leadership
Digital Single Market

By 2025 15% of SMEs should be **selling across borders** in the EU
Inclusion

By 2025 Europe should have retrained most of its workforce.

6% of working women should be ICT specialists.
Green growth

By 2025 Europe should save 26 billion tonnes of CO2 emissions by digitising resource-intensive sectors.

Expected metric tones of net CO₂ emissions avoided thanks to digitisation from 2016 to 2025:

- **Electricity Sector**: 15.8 billion
- **Logistics Sector**: 9.9 billion
- **Automotive Sector**: 540 million
What is the number of companies & institutions signing up for trustworthy AI?

By 2025, 5G connections should cover 40% of the workforce, 70% of industrial sites and 80% of main logistics routes.

Private investments in AI:
- North America: €14 - 21 bn
- Asia: €7 - 11 bn
- Europe: €2.7 - 3.6 bn

Expected number of 5G connections:

- China: 728 m
- North America: 170 m
- Other Asia & Pacific countries: 170 m
- Europe: 117 m
- Rest: 65 m
Trust

By 2025 most European enterprises should have a clear cybersecurity strategy.

% of enterprises with a formally defined ICT security policy

- All enterprises: 31.6%
- Small enterprises (10-49 employees): 27.1%
- Medium enterprises (50-249): 50.9%
- Large enterprises (250+): 72.1%
Agile & mission-based policy

By 2025, **30% of EU citizens** should use **health** and care services provided **online**.
Leadership

By 2025

Europe should be home to **25% of the world’s unicorns**

**30% of European manufacturing industries should leverage big data analytics**

![Chart showing the percentage of total unicorns and manufacturing enterprises that use a set of digital technologies](chart.png)
Vision for a DIGITAL EUROPE

The European way

Preserving values

Creating value
Industrial revolutions: what comes next?

- **Machinery**
  - Industry 1.0: Mechanisation, steam power, weaving loom
  - Industry 2.0: Mass production, assembly line, electricity
  - Industry 3.0: Electronics, robotics, automation and computers
  - Industry 4.0: Cyber-physical systems, IoT and networks, virtualisation
  - Industry 5.0: Emerging technologies, applications and solutions

- **Electricity**
  - Industry 2.0

- **Computers**
  - Industry 3.0

- **Internet**
  - Industry 4.0

- **Industry 5.0**
  - Artificial intelligence
  - High-performance & cognitive computing
  - Data sharing
  - Distributed value chains
  - Service-oriented
  - Mass customisation and personalisation

1870s 1900s 1970s 2000s ???

SOURCE: DIGITALEUROPE analysis; publicly available data
NON-EXHAUSTIVE
CONCRETE ACTIONS

1. Developing **manufacturing-focused** EU policies
2. Create the infrastructure for **Data Flows & AI enabled services**
3. Support **Digital Europe** and **Horizon Europe** programmes
4. **Reskilling** and **upskilling** the workforce
5. Accelerating sustainability through industrial technology
6. Developing the digital **ecosystem**
Thank you for your time