

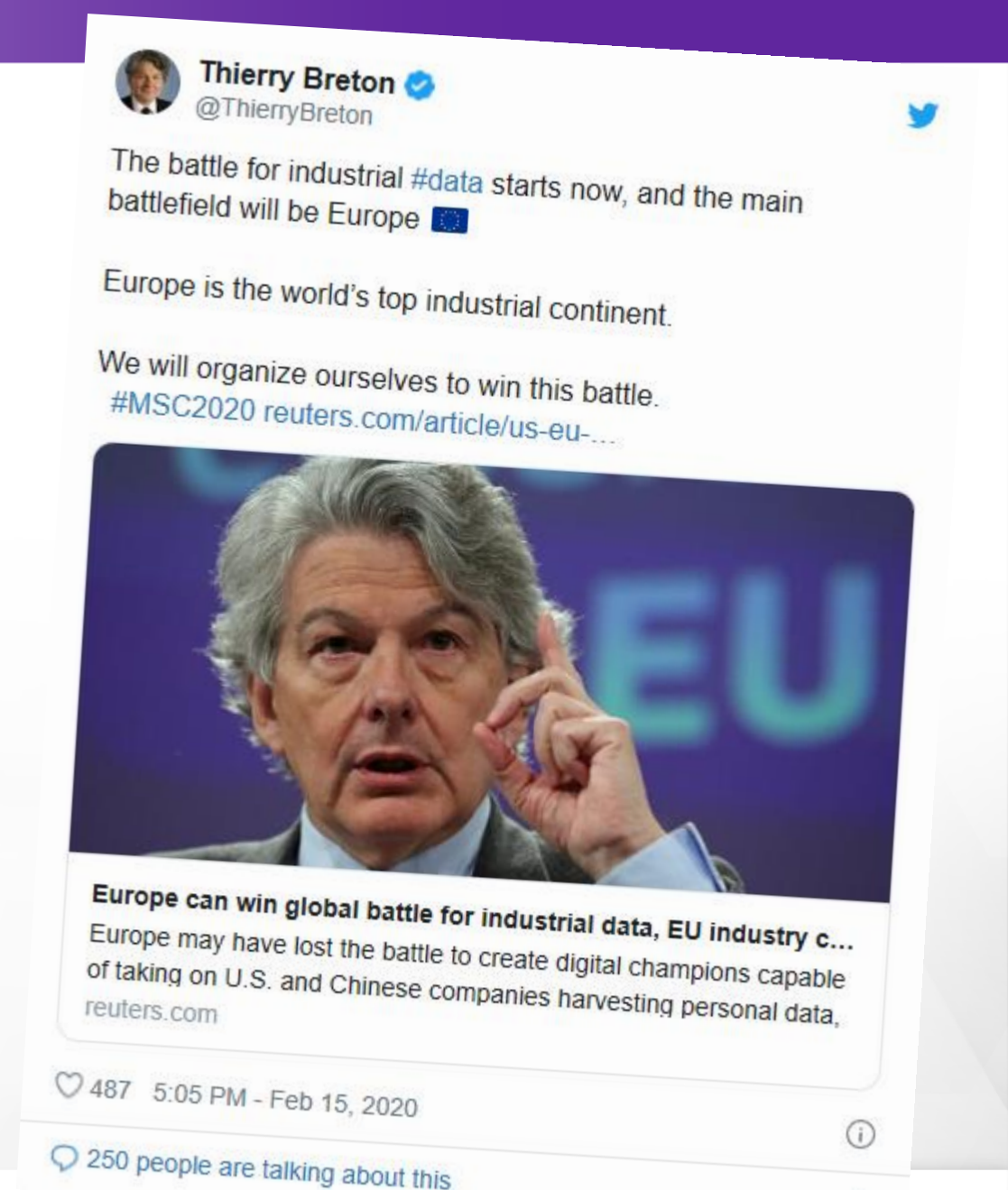
Digital health and data use

ERS Presidential Summit - Digital respiratory medicine – realism vs futurism
Theme IV: Digital health and innovation, 3 June 2021
Michael Strübin, Digital Health Director

19 February 2020: Data strategy for Europe

- Assertion of European data sovereignty
- Commitment to European data spaces
- Rules covering cross-border data use
- Up to €6 bn investment in infrastructure

→ **Momentum for
digital health**





“I want European businesses and our many SMEs to access high quality data and create value for Europeans – including by developing Artificial Intelligence applications.”

*Thierry Breton,
Commissioner for the Internal Market*

Common European data spaces

Rich pool of data
(varying degree of
accessibility)

Free flow of data
across sectors and
countries

Full respect of GDPR

Horizontal
framework for data
governance and data
access



Health



Industrial &
Manufacturing



Agriculture



Finance



Mobility



Green Deal



Energy



Public
Administration



Skills

- 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



*“We need to make the most of the potential of e-health to provide high-quality healthcare and reduce inequalities. I want you to work on the creation of a **European Health Data Space** to **promote health-data exchange** and **support research on new preventive strategies**, as well as on **treatments, medicines, medical devices and outcomes**. As part of this, you should ensure **citizens have control over their own personal data.**”*

Mission letter of Commissioner for Health (December 2019)



The promise of
data driven healthcare...

Impact of AI in European healthcare systems



400,000 lives saved yearly



That's the population of a medium-sized city, or **almost two thirds of Luxembourg**



200 billion Euros in annual savings
(including opportunity costs)



Which is approximately **12% of the total European healthcare expenditure** in 2018



1.8 billion hours freed up every year



That's the equivalent of having **500,000 additional full time health care professionals**



... but data driven healthcare
requires work!

European Health Data Space*

Sharing of health data for healthcare

Areas of work

- Control of patients over their data
- Interoperability
- Role of e-health agencies
- Reinforced EU governance (eHealth Network)
- Reinforced MyHealth@EU

Access to health data for research, policy making

Areas of work

- Governance and rules for access to health data
- Data FAIR-ification
- Digital infrastructure (EHDS2)

Single market for digital health services

Areas of work

- Eliminate barriers to free movement
 - Labelling
 - Interoperability
 - Reimbursement
 - Liability

Artificial Intelligence

Areas of work

- Support for development and rollout of AI
- Data for AI
- Support for regulators

EHDS requires alignment of GDPR implementation

Assessment of the EU Member States' rules on health data in the light of GDPR (February 2021)

[\(Link\)](#)



MedTech Europe recommendations

- The health data governance framework must **foster trust among citizens, patients, and healthcare professionals** that their data benefits research and innovation, and it is used appropriately.
- The EHDS needs to **correspond to national and regional initiatives** to create a trusted personal space for citizens to store and manage their health data safely.
- **GDPR interpretation and application needs to be better harmonised** across the Member States to enable research into new treatments and innovation.
- The governance framework should **prioritise standardisation needs and improve data interoperability**.
- **Cybersecurity** needs to be a cornerstone of the EHDS to ensure safety and security of patient data.
- Promoting education and training towards **digital literacy for healthcare professionals and patients** should be an integral part of the policy agenda.

Thank you

Michael Strübin

m.strübin@medtecheurope.org

www.medtecheurope.org

References

- Deloitte/MedTech Europe, *The socio-economic impact of AI in European health systems* (Oct 2020), [download](#).
- MedTech Europe, *The Value of Diagnostic Information in Acute Respiratory Infections – Observations from the COVID-19 pandemic: Case Study* (April 2021), [download](#)