

Towards the European Health Data Space

14 June 2022 Markus Kalliola Project Director TEHDAS coordinator



Co-funded by The Health Programm of the European Unior



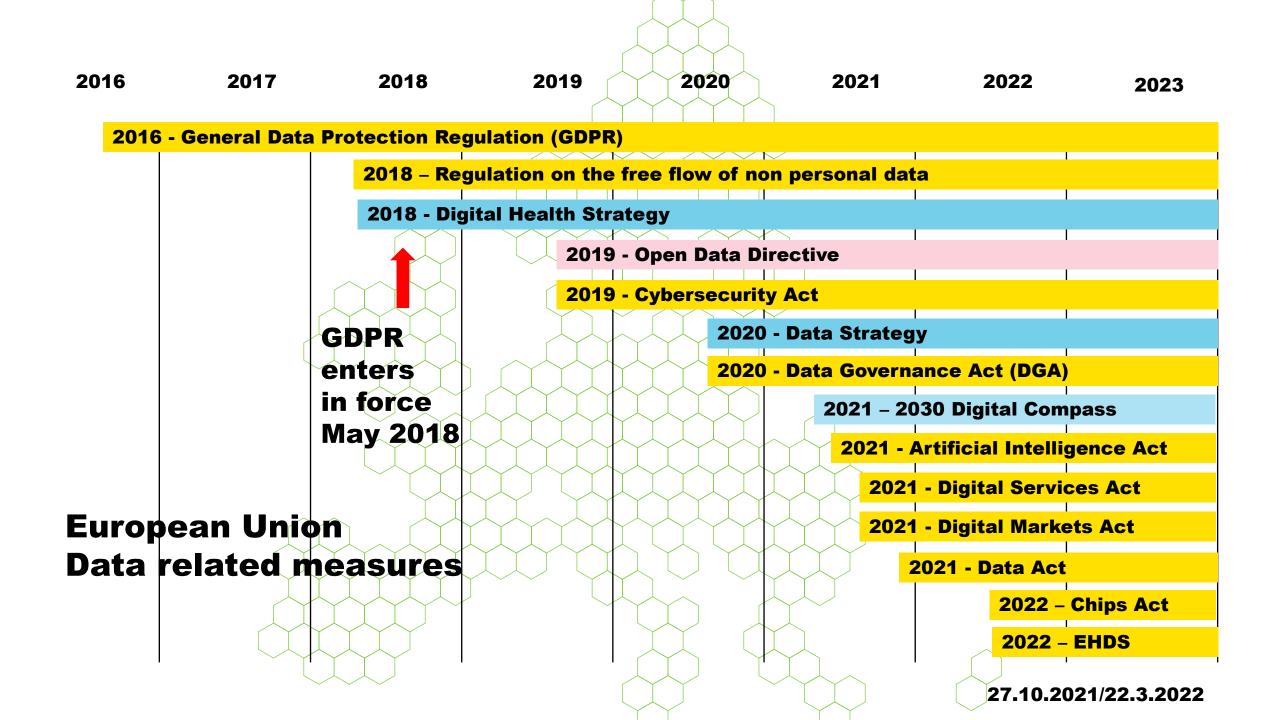


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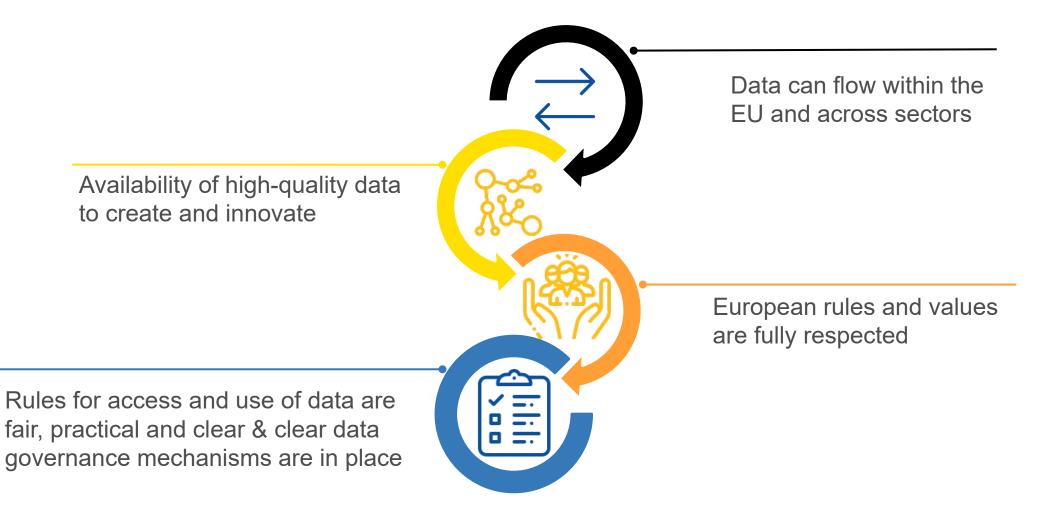






European Strategy for Data (2020)

A common European data space, a single market for data





The European Health Data Space is a health specific ecosystem comprised of rules, common standards and practices, infrastructures and a governance framework

EHDS Proposal published 03/05/2022





European Health Data Space (EHDS)

OBJECTIVES

Effective use of health data

SCOPE & EXPECTED IMPACT

Use of health data (primary, MyHealth@EU)	 Empower individuals to control their data Standardization and mandatory certification of EHR systems Voluntary labelling of wellness apps European Electronic Health Record Exchange Format 				Single market for health data, data protection, free movement of people, digital goods and services
Re-use of health data (secondary, HealthData@EU)	 Health data access bodies Purposes for use and forbidden use Data permits, secure environments, no identification 			n ⇒	Facilitated Research & Innovation Better Policy Making
MEANS Legal / Governance	e	Quality of data	Infrastructure		Capacity building/digitalisation



A Loss Internet barry from Internet Internet



Joint Action Towards the European Health Data Space – TEHDAS

Joint Action

Participants

Duration

Co-funding

Project coordinator

Supports the Members States and the Commission Develops and promotes concepts for sharing of data in secondary use

Nominated authorities from 25 European countries

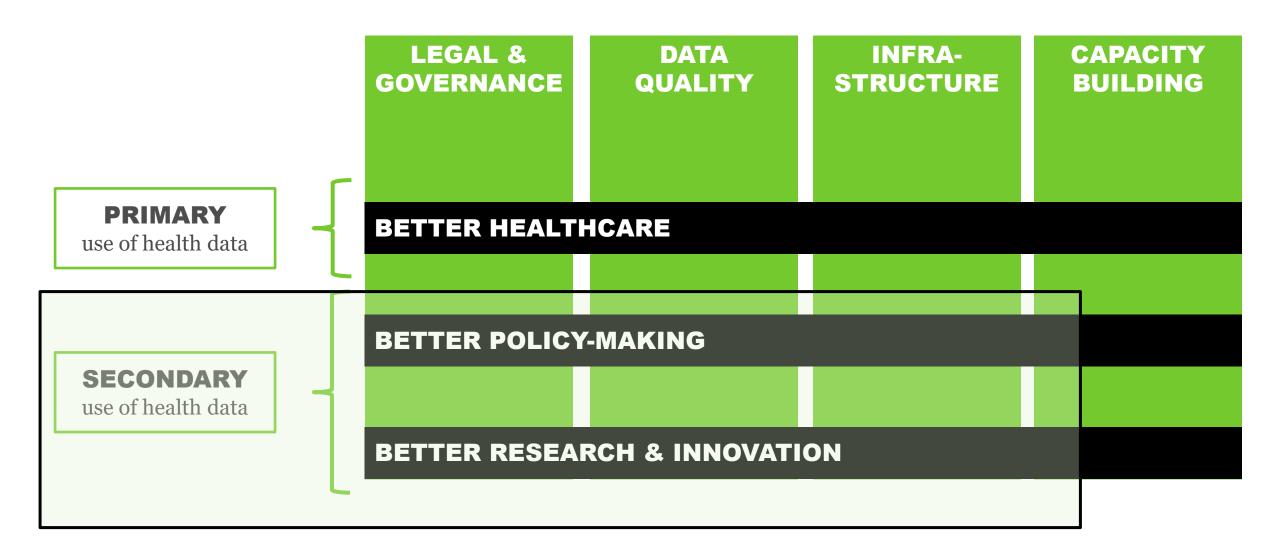
30 months from February 2021 – Summer 2023

€4 million - EU 60%, Member States 40%

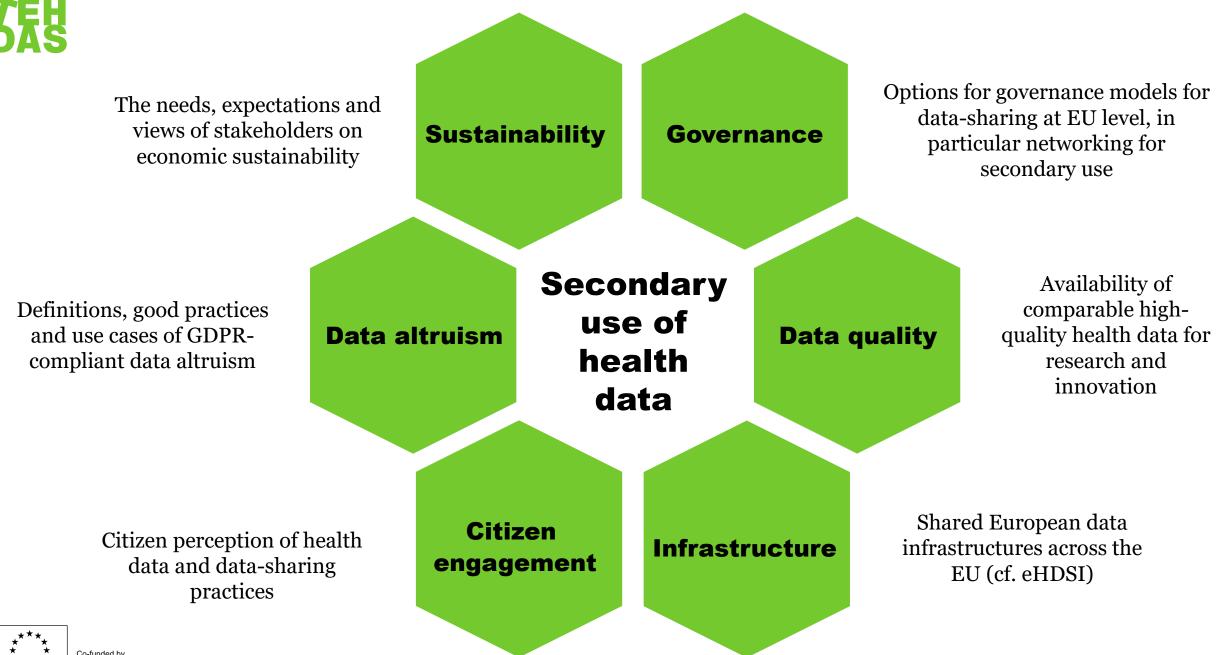
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Four pillars of the European Health Data Space









A steady flow of outputs in 2021-2023











Why health is a specific case in data legislation?

- 1. Patient, consent, and the rights of data subjects i.e. citizens and patients.
- 2. Public health: Protection and promotion of public health.
- 3. Research and specific data types, such as genetic and biometric data.
- 4. Health data is highly sensitive data, and the need for safeguards.

- 5. Data and cyber security.
- 6. Health data in the private sector.
- 7. Semantic interoperability.
- 8. Fragmented regulatory framework at national level but the need for cross-border sharing.







Barriers on cross-border sharing of health data for secondary use and options to overcome these

- 47 papers reviewed by 4 reviewers to identify barriers
- from 89 barriers 20 went through detailed analysis and 11 barriers were prioritized
- 23 European countries provided 113 case studies to give real-life examples of the 11 barriers on impact, issues and solution
- 6 were legal
- 3 were data/semantic related
- 1 infrastructure
- 1 trust





Identifying those data quality features that could be legally bound

- Metadata catalogs
- Regular audits
- Processing procedures

Identification of relevant standards

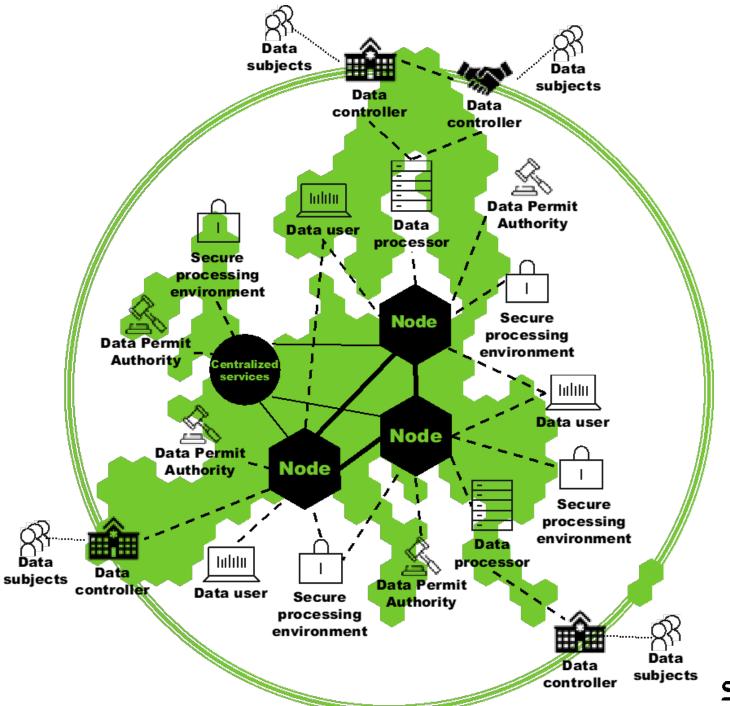
- 23 interoperability standards identified on 5 utilities
 - data discoverability (at data source and variable levels), 10 standards
 - development of common data models, 3 standards
 - communication across nodes, 6 standards
 - data provenance, 3 standards
 - taxonomy, 1 standard







architecture



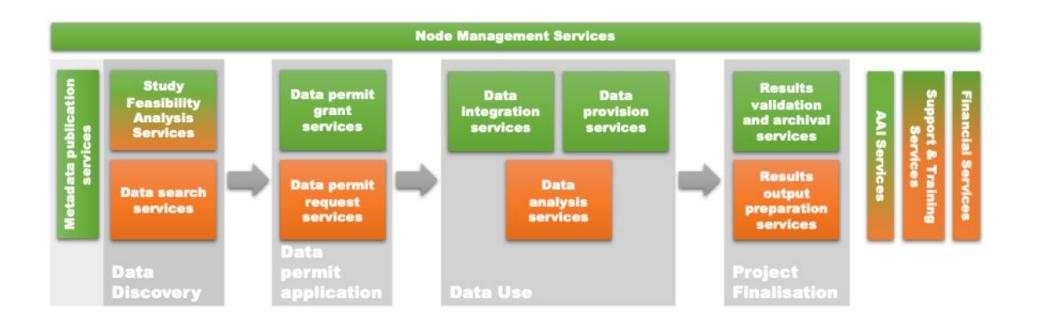


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Steps to access the data – user journey





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Next steps





