



FIRST TECH TALK

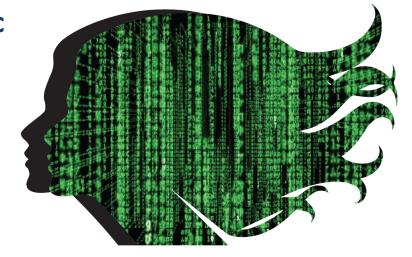
Data for the common good, but what about "me"?

Dr. Isabelle De Zegger Founder @ b!loba

Data for the "common good", but what about "me"?

Isabelle de Zegher, MD, MSc Founder, b!loba

Women in Data Sciences, Maastricht 7th March 2023



WOMEN IN DATA SCIENCE

MAASTRICHT

Table of Contents

- Background: EU regulations (DGA, EHDS)
- Approaches to Data curation
- Practically: me, Al Based Data curation Virtual Assistant (AIDAVA)
- What is next: just-in-time data for the common good

Background

Deploying the strategy through 4 Pillars



A cross-sectoral governance framework for data access and use

including a legislative framework for the governance of European data spaces and other cross- sectoral measures for data access and use



Enablers

Total investments of € 4-6 billion in a High Impact Project on European data spaces and federated cloud infrastructures



Competences

Empowering individuals, investing in digital skills & data literacy and in dedicated capacity building for SMEs.

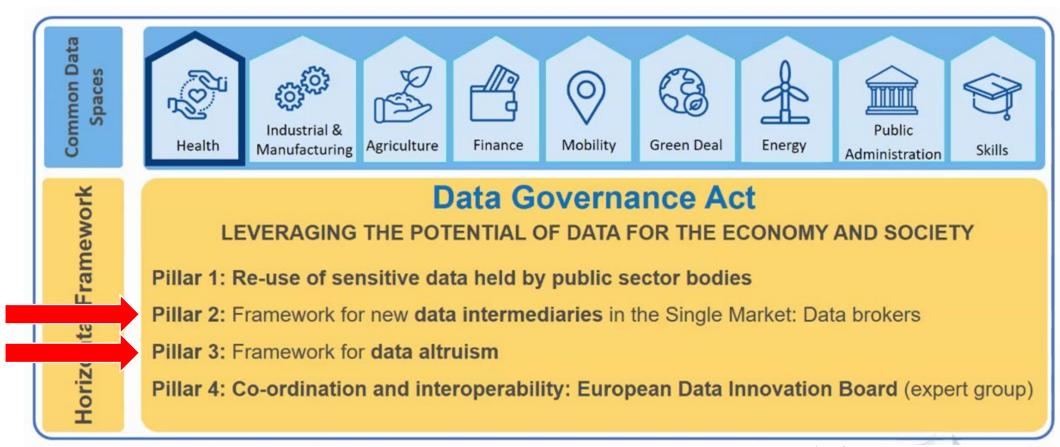


Rollout of common European data spaces

in crucial economic sectors and domains of public interest, looking at data governance and practical arrangements.



Data Governance Act (DGA) - approved December 2021 Overview





Data Governance Act (DGA) - approved December 2021 Data Sharing (through intermediaries) and Data Altruism

Data Sharing

Or

Data Donation?

Pillar 2. Data Intermediaries

- Data <u>sharing</u> for specific purpose
- Dynamic consent, per reques (Digital Wallet)
- Linkage across data sources, consent
 - => complete view of individu
- Citizen keeps control
- Value for citizens and "data users"

Basis for Health Data Intermediaries

Pillar 3. Data Altruism

Data donation

"Common Good": sent once for data donation

awfull linkage permitted across sources

artial view of individual

- Citizen looses control
- Value for "data users"

Proposed for secondary data use in EHDS



European Health Data Space (EHDS) - draft May 2022 Overview

MyHealth@EU **Clinical Care/Primary use**

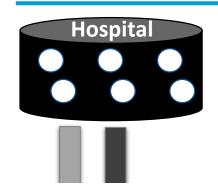
HealthData@EU Research/Secondary use

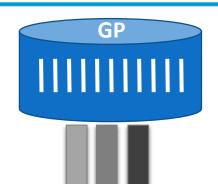
- National Contact Points for Digital "Common Good": Health with national coordinate
 - Certified in each Member Stat
 - Centralize all patient data
 - Accessible by patient & care providers
- Catalogue of Data Sources
- Cross border request of Patient Data

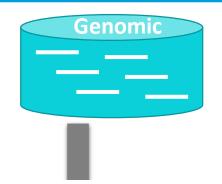
- Health Data Access Bodies (HDAB) ational coordination In EHDS = port request by data users **Data Donation** rmit" to process patient data
 - Patient can check public website
 - Catalogue of Data Sets
 - Cross border request of Data Sets

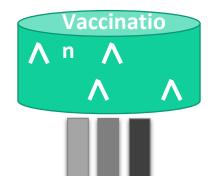
Focus on clinical care data: no mention SDH, Clinical trials, Genomics Secondary data use based on Data Altruism with PERMIT, not on CONSENT Approaches to Data curation

Approaches to Data Curation Vertical curation





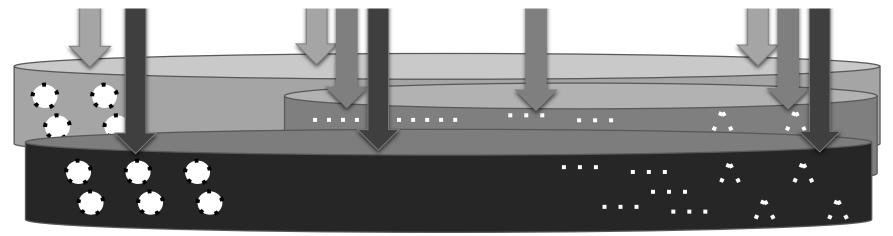




Raw data
Spread across systems
Heterogenous
Identifiable

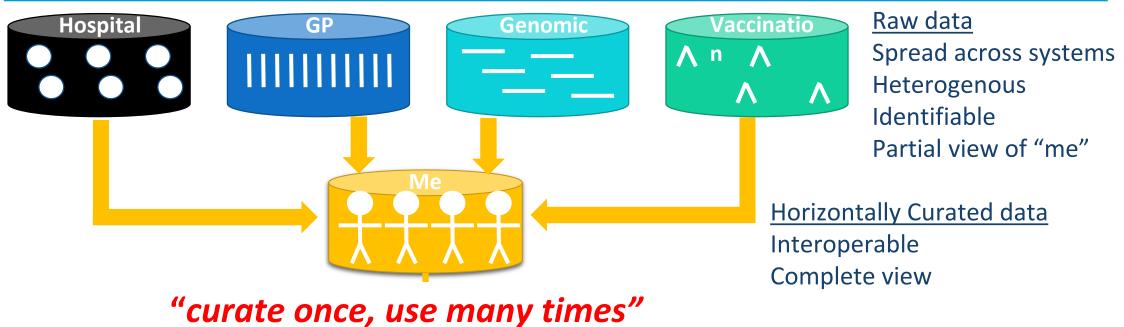
Partial view of "me"

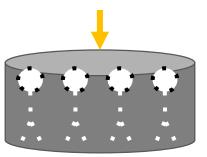
"curate many times, use once (and then dump them when analytics is done)"

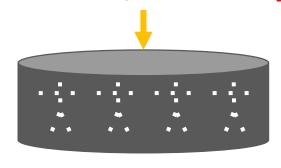


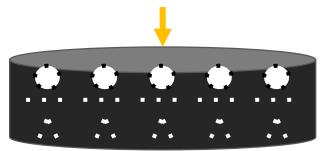
Curated Data Set
Pooled
Standardized
Pseudo/anonymized
No linked view of "me"

Approaches to Data Curation Horizontal curation









Curated Data Set

Pooled Standardized Pseudo/anonymized Linked extract of "me"

2/26/23 WIDS – March 7, 2023

Approaches to Data Curation Horizontal curation: myth or reality?

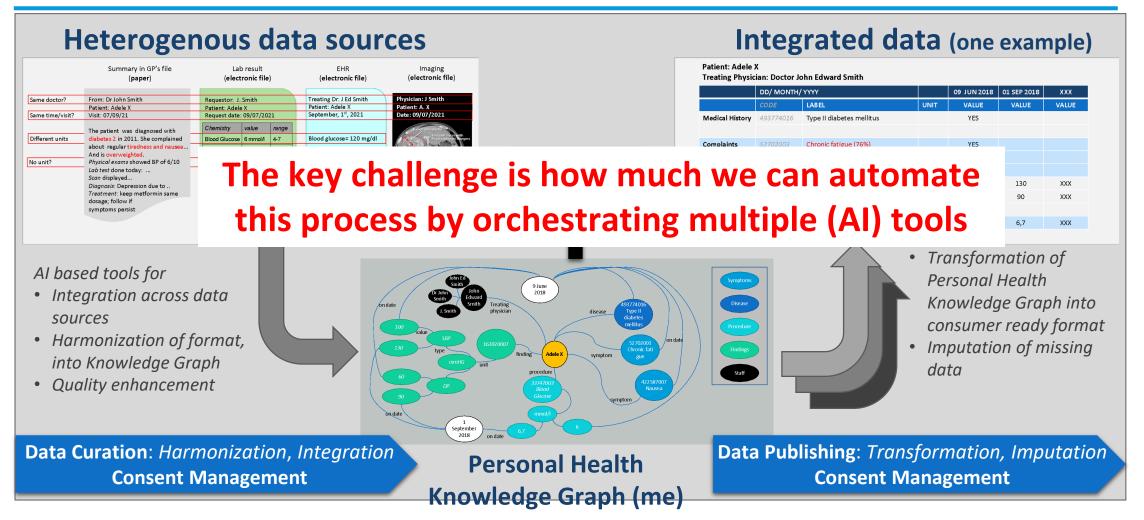
 Asking patients to fully curate their data, as if they were data scientists, is not a realistic option but they can & want to contribute!

- Europe ambition: Digital Compass 2030
 - All EU citizens will have access to their health records
 - There will be 20 millions skilled ICT specialists (to support patients)

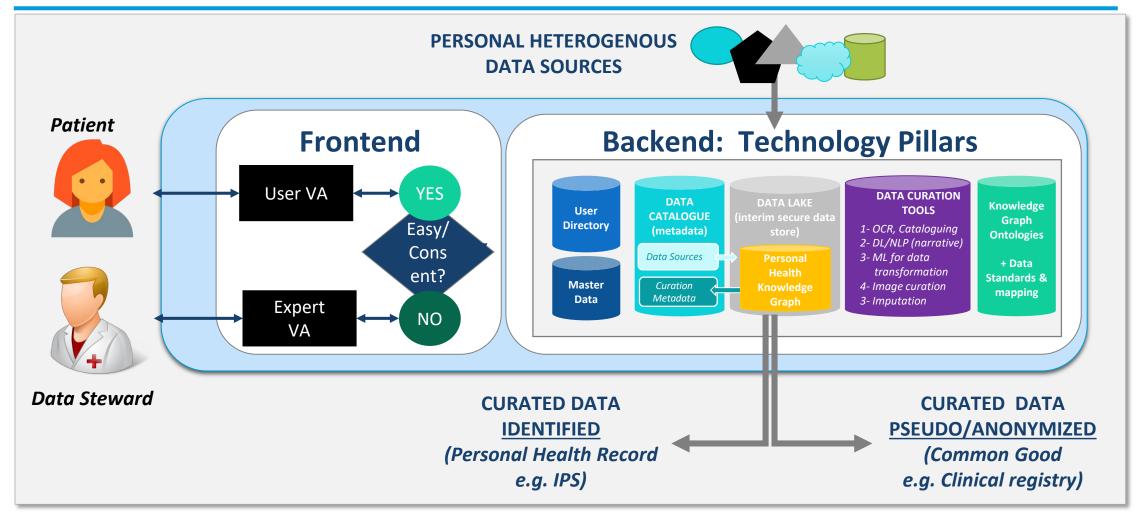
We can develop tools to maximize automation in data curation and simplify the task for patients (or their delegates)

Practically: "me" – with the support of Al Based DAta curation Virtual Assistant (AIDAVA)

AIDAVA - Horizon Europe project (2022 to 2026) Problem & proposed approach

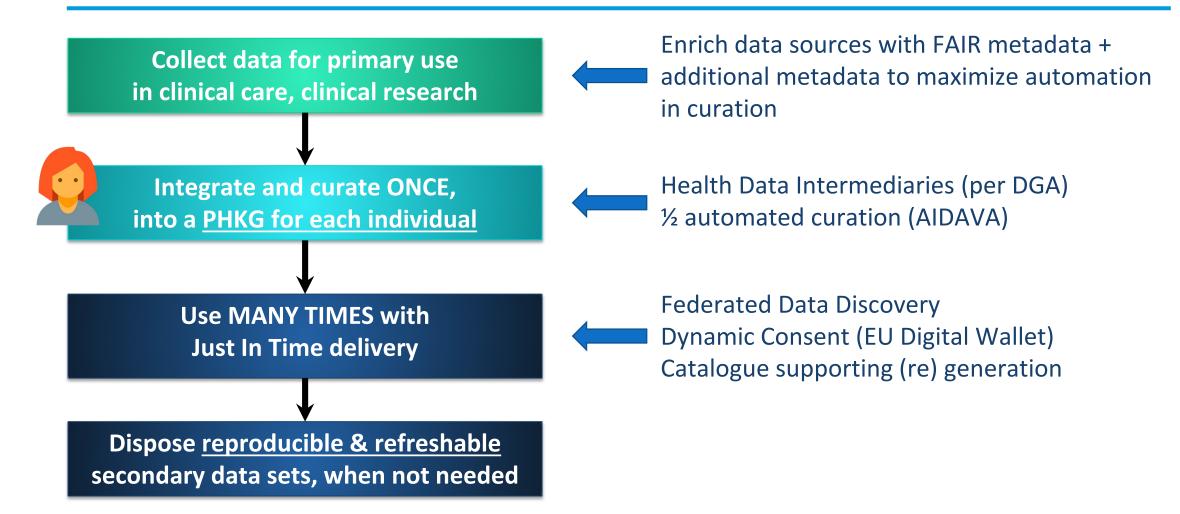


AIDAVA Overview of proposed solution



What is next: Just-in-time data for the common good

What is the next Vision & needs



The best way I, as an EU citizen, can support the common good in health care is to start by my personal data, by maximizing their quality and agreeing to share them in trust

THANK YOU

For questions, please contact

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