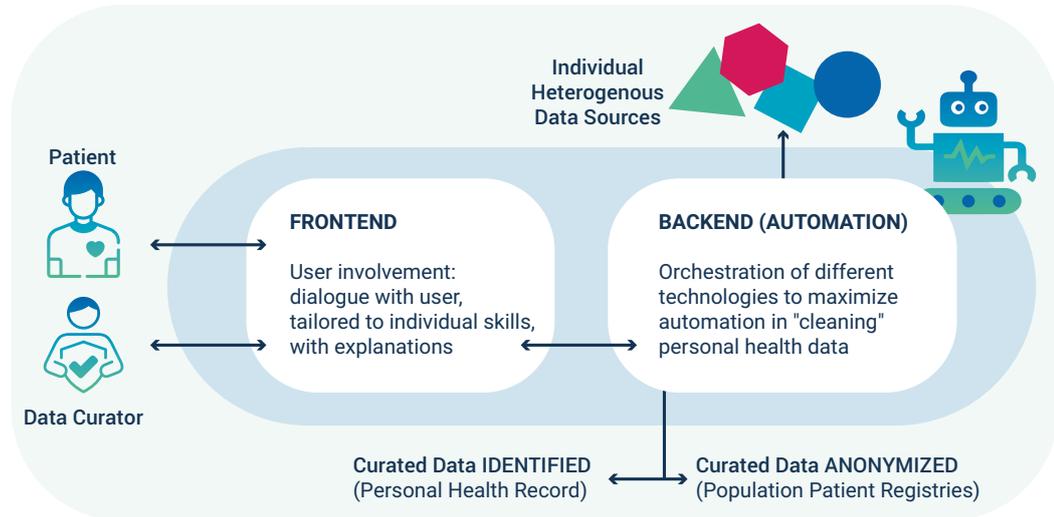


Integrated, high-quality personal health data (PHD) represents a potential wealth of knowledge for health care systems, but there is no reliable conduit for this data to become interoperable, AI-ready and reuse-ready at scale across institutions, at national and EU level.

AIDAVA will fill this gap by prototyping and testing an AI powered, virtual assistant maximizing automation of data curation & publishing of computable knowledge derived from unstructured and structured, heterogeneous data. The assistant includes a backend with a library of AI-based data curation tools and a frontend based on human-AI interaction modules that will help users when automation is not possible, while adapting to users' preferences. The exceptional interdisciplinary team of the consortium will develop and test two versions of this virtual assistant with hospitals and emerging personal data intermediaries, around breast cancer patient registries and longitudinal health records for cardiovascular patients, in three languages.



### The team will work around four technology pillars:

1. automation of quality enhancement and FAIRification of collected health data, in compliance with EU data privacy;
2. knowledge graphs with ontology-based standards as universal representation, to increase interoperability and portability;
3. deep learning for information extraction from narrative content;
4. AI-generated explanations during the process to increase users' confidence.

By increasing automation of data quality enhancement, AIDAVA will decrease the workload of clinical data stewards; by providing high quality data, AIDAVA will improve the effectiveness of clinical care and support clinical research. In the long-term, AIDAVA has the potential to democratize participation in data curation & publishing by citizens/patients leading to overall savings in health care costs (through disease prevention, early diagnosis, personalized medicine) and supporting delivery of the European Health Data Space.

Participant No	Participant organisation name	Country
1	UM Universiteit Maastricht	NL
2	b!lo b!loba	BE
3	EUR European Research and Project Office GmbH	GE
4	KUL Katholieke Universiteit Leuven	BE
5	Onto Sirma AI EAD	BG
6	IHD The European Institute for Innovation through Health Data	BE
7	MUG Medizinische Universität Graz	AT
8	NEMC Sihtasutus Pohja-Eesti Regionaalhaigla	EE
9	GND Gnome Design SRL	RO
10	AVER Averbis GmbH	DE
11	ECPC European Cancer Patient Coalition	BE
12	EHN European Heart Network ASBL	BE
13	MID MIDATA Genossenschaft	CH
14	DME Digi.me Limited	UK