

# IOTWeek

Dublin — June 20-23, 2022

## GATEKEEPER Data Marketplace approach

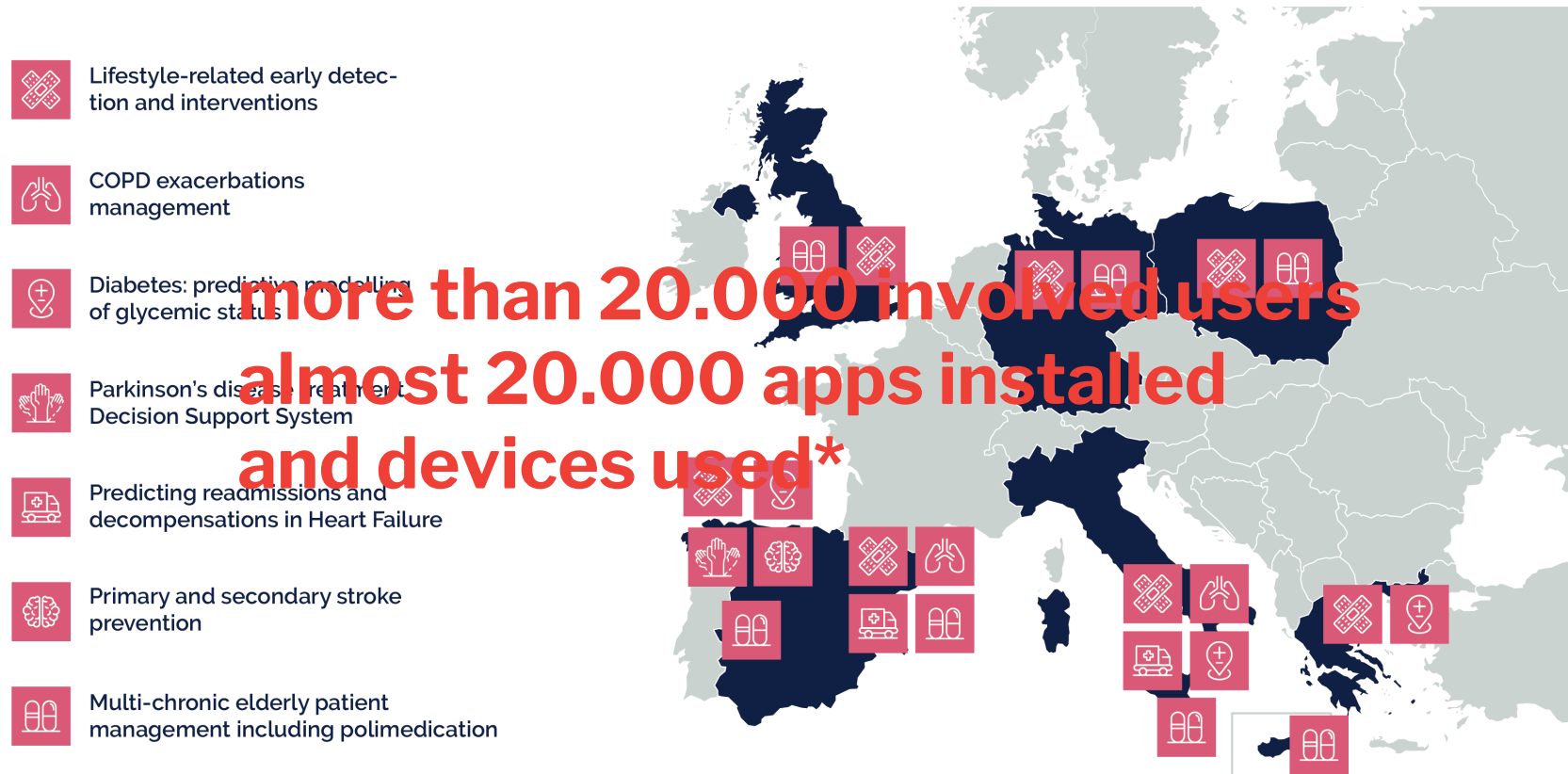
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**GLOBAL VISION:**

**IoT TODAY AND BEYOND**

IOTForum

**How many data are generated by these Large Scale Pilots? How many generated by IoT?**



**How can Gatekeeper exploit this «heritage» beyond the project boundaries?**

# The goal



To pave the way for the **creation of a Data Marketplace** (for secondary use of data) compatible with the EU Policy and regulations enabling services for:

- ☐ **Monetization**
- ☐ **Digital contracts**
- ☐ **Brokerage**

# The roadmap

*Data  
federation  
architecture*

*Data  
Federation  
production*

*Data  
Marketplace*

# Assessment and alignment

- ❑ **Assess GK results** compliance with the EU initiatives \ standards \ regulations influencing our goal (e.g. GAIA-X, IDSA, TEHDAS, Data Act, HL7 - FHIR, etc.)
  - Preliminary cost analysis for the full compliance to become an IDSA Data Source
  
- ❑ **Survey** for all pilots' representatives to assess their alignment with the EU policies, directives, and regulations and how these affect their data market strategy (if any)





# Relevant barriers

- Differences in governance and health data systems in Europe
- Lack of a common European interpretation of what constitutes 'sufficient anonymisation' and 'pseudonymisation' to transform personal data to non-personal data
- Lack of a common European interpretation of what is and is not 'secondary use' of data
- Existence of National laws/rules on health and research data in addition to the GDPR
- Different derogations under the GDPR
- Different preferences as to the choice of legal basis for processing under the GDPR
- Health data is considered sensitive data e.g., special category data under the GDPR, and is treated differently from other types of data when it comes to health data ethics, management, and use
- Lack of standardised data sharing agreements for products developed by private sector providers using public health data to facilitate safe data sharing and protect public investment
- The use of different interoperability standards across Europe makes comparisons and sharing data and research results challenging
- Poor data management procedures reduce the ability to reuse data

**EHDS Regulation Proposal- COM(2022) 197/2**

# Our favourable conditions

- ❑ All the partners agreed on the needs to use a FAIR data approach and to work on data sharing and federation despite the well known legal and organizational barriers
- ❑ Small number of actors and countries could ideally lead to find more easily an agreement among the different local legislations and peculiarities
- ❑ A contract and a budget which force the pilots to find a data sharing and federation agreement
- ❑ A shared architecture as well as an agreed syntactic and semantic interoperable approach among the various pilot sites

## Exploiting the full potential of Gatekeeper data heritage providing a general reference framework acting as best practice for future initiatives

Identifying existing and inspiring working business models

- (e.g. The Finnish Act on the Secondary Use of Social and Health Data (552/2019), Research Infra, old projects, etc. ...)

Gatekeeper positioning with respect to EHDS regulation → which role?

To agree on the type of data to share, federate and sell after the project lifetime

To identify the target users and then opt for an open or closed marketplace

To identify the more appropriate governance model (e.g., peer-to-peer sharing or Napster like, hub and spoke, etc.)

Draft the pricing policy (if any)

Draft the commercial agreements templates (e.g., subscription model – pay annual membership fee or study-specific model – pay per project enquiry)

To envisage trusted, safe and secure “healthcare data safe havens” to operate securely and safely sensitive type of data



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# Thank you!

Find more:

**GATEKEEPER:** [www.gatekeeper-project.eu/](http://www.gatekeeper-project.eu/)



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