

# Health & Care Cluster

of Large Scale Pilots

**PARTICIPATING PROJECTS**



# HEALTH AND CARE CLUSTER

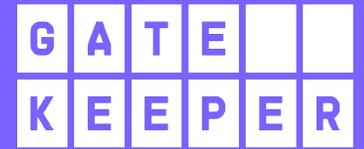


**RADICAL HEALTH FESTIVAL Helsinki**  
12 June 2023

**Creating an open ecosystem to bring digital health services at scale to support Active and Healthy Living policies**

# Early risk detection of lifestyle related risks:

How to make the use of smart devices and big data analysis a widely accepted practice?



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GATEKEEPER project



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# ACTIVE AND HEALTHY LIVING

## A GLOBAL CHALLENGE



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Early  
personalised risk  
detection of  
chronic diseases



Advanced  
sustainable  
remote health  
care and early  
intervention



Personalized  
treatments and  
therapies for large  
populations of  
older adults facing  
health and social  
risks

**“Gatekeeper is a  
large-scale pilot  
project which uses  
new technologies to  
solve three unmet  
medical problems”**



# AN EXAMPLE OF A REFERENCE USE CASE

## LIFESTYLE-RELATED EARLY DETECTION AND INTERVENTIONS



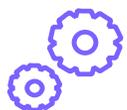
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**Target population:** +50 years healthy population or population with low risk of chronic diseases and/or mental impairment



**Key actors:** primary care personnel, social workers or elderly home assistants, informal carer or helper, dietitians, pharmacists, technical personnel



### Key enabling technologies:

- App (digital coach)
- Citizen's online platform
- Professional's online
- platform/dashboard
- Wearables/medical devices
- Home sensors/robots

- 1** Pattern recognition for improvement of public health surveillance & early detection of cognitive decline and frailty
- 2** Data mining for inductive reasoning and exploratory data analysis
- 3** Cluster Analysis for identifying high-risk groups among elder citizens



# LIFESTYLE-RELATED EARLY DETECTION AND INTERVENTIONS

## THE IMPACT



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7

sites across 7 countries



4k

patients recruited



39k

contacted users



Promotion of **healthy lifestyles** among **elderly citizens** to **prevent and/or delay the onset and/or worsening of chronic conditions**. Big Data Analytics techniques are exploited to address risk stratification and early detection, based on lifestyles analysis.



# DEMONSTRATING SCALABILITY

## GATEKEEPER OPEN CALLS



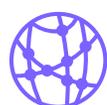
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**1<sup>st</sup> OC.** Incorporating new technologies to existing pilots

**2<sup>st</sup> OC.** Extending new pilots in other regions

 **23** Countries participated

 **16** Countries participated

 **114** Proposals received

 **64** Proposals received

 **38%** Applied to RUC1 challenge

 **20%** Applied to RUC1 challenge

 **11** Winners

 **5** Winners

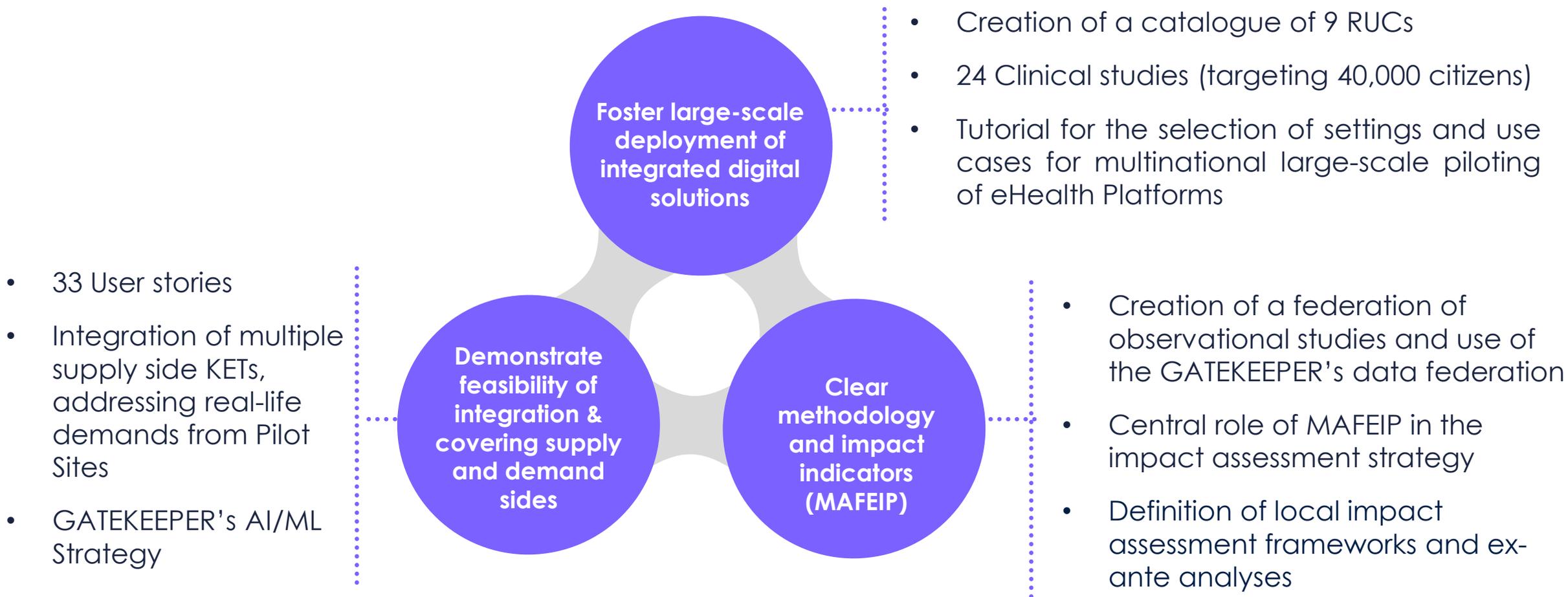


# DEMONSTRATING SCALABILITY

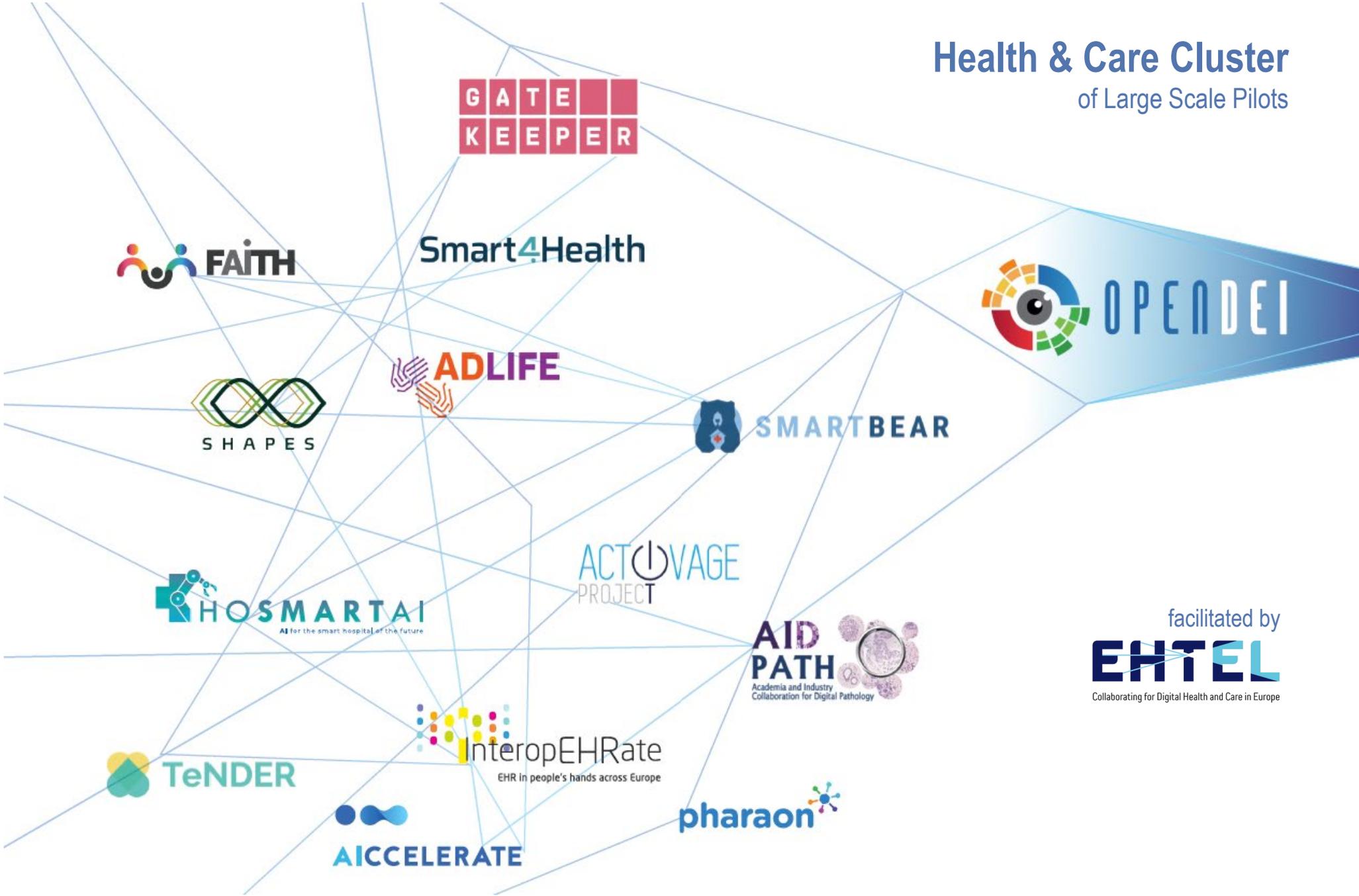
## GATEKEEPER APPROACH



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# Health & Care Cluster of Large Scale Pilots



facilitated by  
**EHTEL**  
Collaborating for Digital Health and Care in Europe