



Funded by the European Union

### Aris Tsitiridis, PhD UBITECH, Greece



www.comfortage.eu



Prediction, monitoring and personalized recommendations for prevention and relief

# **PARTNERS-CONSORTIUM**

## **RESEARCH CENTERS (8)**





## LARGE INDUSTRY (2)



## **HEALTHCARE ACTORS &**

## **POLICY MAKERS (11)**



ANA ASLAN HELLENIC REPUBLIC National and Kapodistrian University of Athens



MANCHESTER

The University of Mancheste

ace alzheimer

center

BARCELONA

UNIVERZA V LJUBLJANI University of Ljubljana



**SME INDUSTRY (10)** 

(eHealth, AI/AAL & Blockchain)

EHTEL

THE CYPRUS INSTITUTE OF VEUROLOGY & GENETICS

ROPARDO







ZAVOD VJEJORTE narava in zdravje

CyberEthicsLab.

## **NETWORKS** & **ASSOCIATIONS (4)**

Salut/ TIC Salut Social Generalitat de Catalunya

**RSCN** 



SPRINT innovation apolie

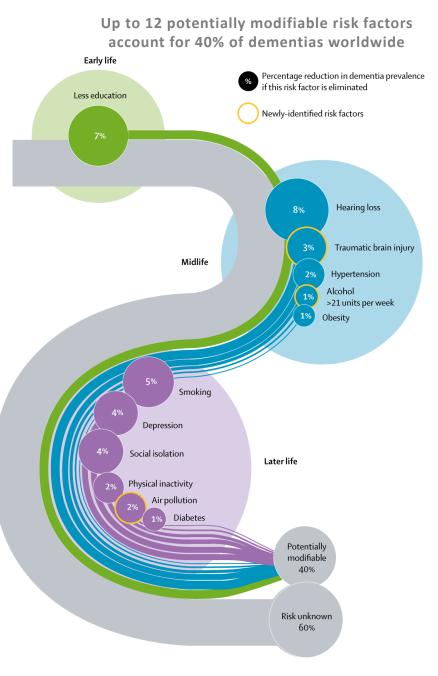
UBITECH

INNOVATION

MC5 DATALABS stremble NewCo.

00 Mamistim

#### **Risk factors for dementia**



## What is COMFORTage?

Multidisciplinary approach and joint-effort of 39 organizations from 12 countries

Deliver personalised care for age-related diseases, promoting healthy aging and reducing healthcare disparities across Europe.

- **Investigate, develop and evaluate** complex challenges of aging such as AD, dementia and frailty, combining clinical expertise, technological innovation and community engagement.
- Establish a pan-European framework for community-based prevention and intervention strategies.

Livingston G, Huntley J, Sommerlad A, et al. Dementia prevention, intervention, and care: 2020 report of the Lancet Commission. The Lancet 2020.





#### **Cluster A**



Casual Risk Factors Towards Early Diagnosis and Community Based Primary Prevention of Dementia

## Cluster B



Association between the development of dementia and other health-related conditions.

## Cluster C



Study of Improved and Personalised Interventions that can delay and relieve Dementia.

#### Cluster D



Study of Neuromechanics and Falls prevention.



Active Ageing Observatory: Study of Digital Innovation Hubs and Living Labs for improving wellbeing and QoL.





3

**PREVENTIVE AND** 

**INTEGRATED** 

**CARE MODELS** 



#### **PRIMARY AND COMMUNITY-BASED HEALTH AND CARE SERVICES**



**EVIDENCE-BASED HEALTH POLICIES** 



DEMONSTRATING **COST-EFFECTIVENESS** 

6

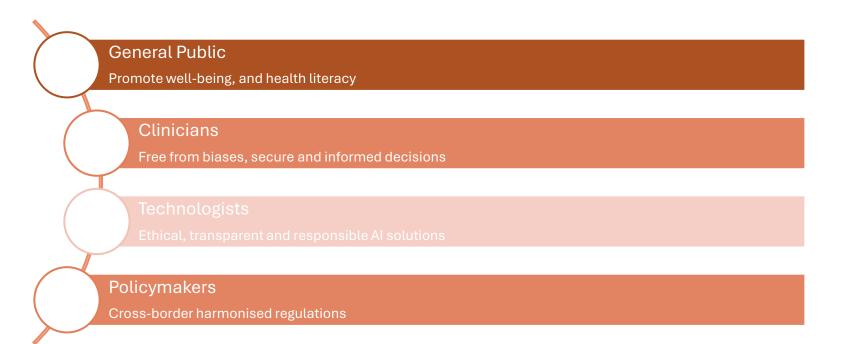
5

**EMPOWERMENT & IMPROVEMENT** 

**OF HEALTH AND DIGITAL LITERACY** 



"Make healthy ageing achievable for all Europeans by bringing cutting-edge AI to personalised care."

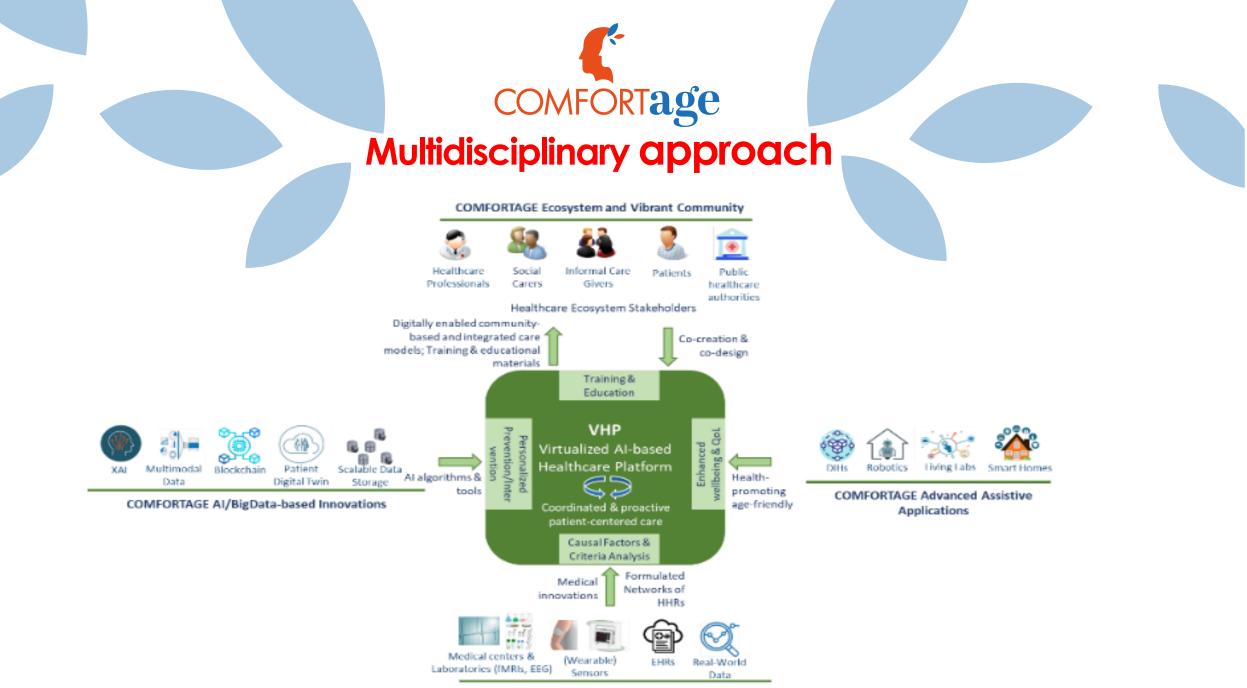




## **Project's Main Challenges**

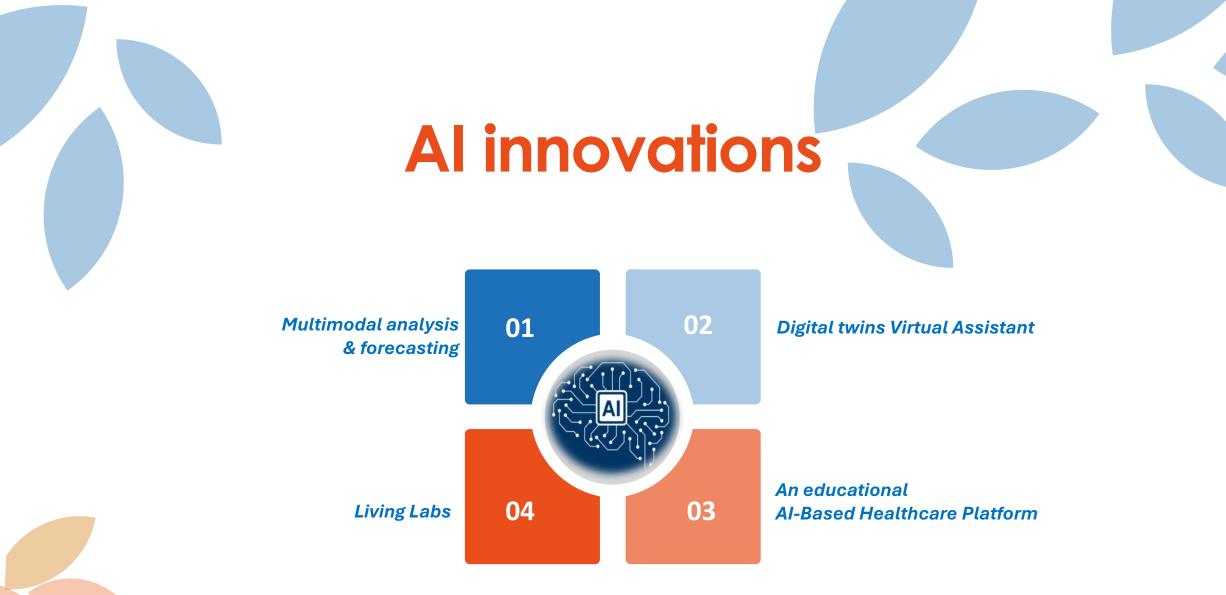






COMFORTAGE Knowledge Integration

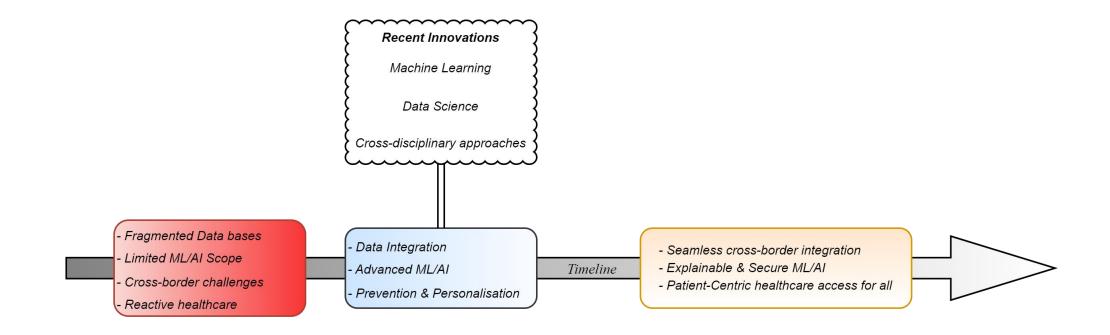
From (Comfortage) Grant Agreement - GAP-101137301





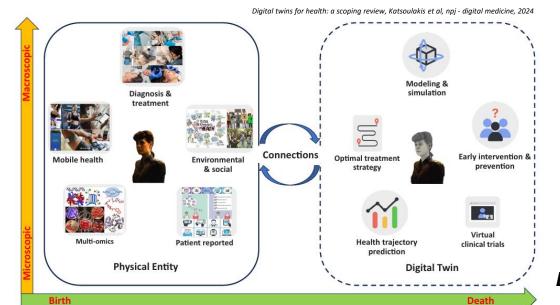
## **Multimodal Systems**

Process diverse data types, revealing hidden relationships across data domains for more precise and comprehensive insights





A virtual replica of a patient, enabling real-time simulation and personalised care by integrating data from multiple sources.

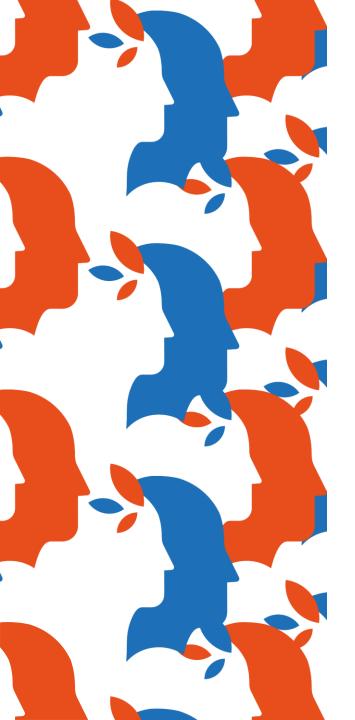


#### **Expected** impact

- 1. Proactive Healthcare
- 2. Empowered Stakeholders
- 3. Cross-Border Integration

- Key Features
  - 1. Virtual Health Replica
  - 2. Advanced Simulations
  - 3. Personalised Care









Ask us everything info@comfortage.eu



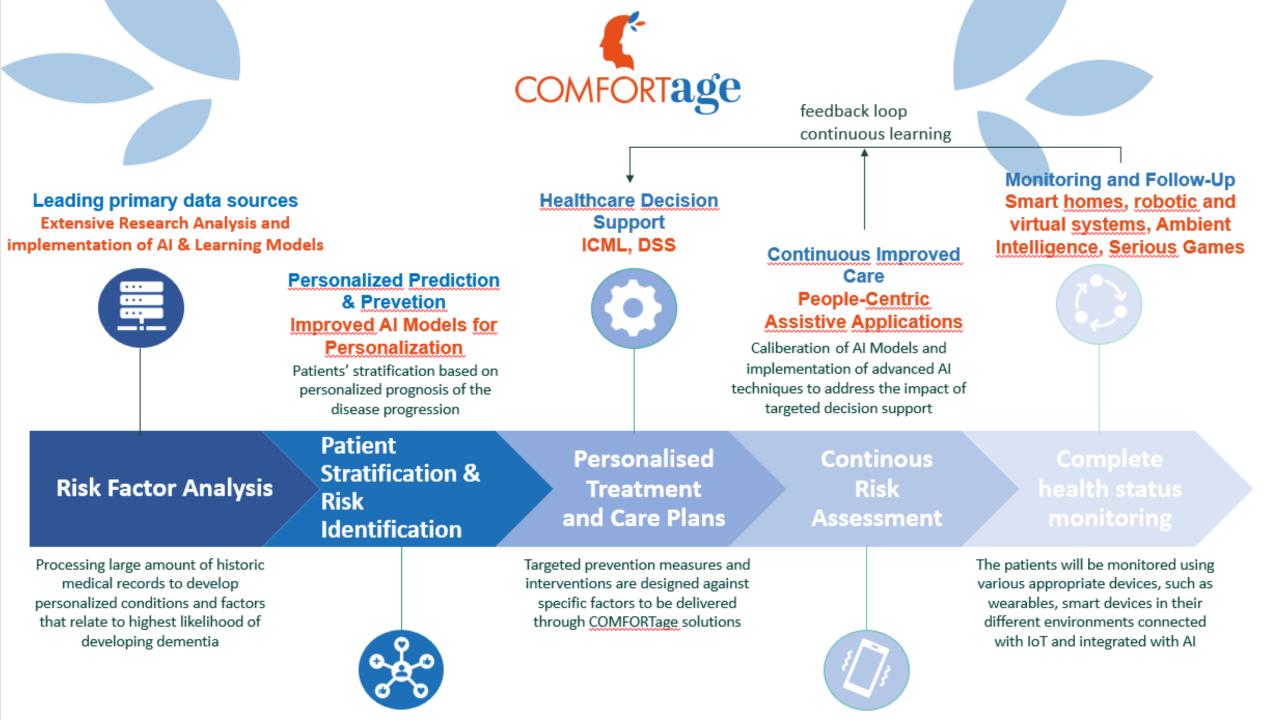
www.comfortage.eu Follow us in social media

⑦/COMFORTage\_eu X /COMFORTagee\_eu f /COMFORTage in /COMFORTage



Funded by the European Union





# **KEY PILLARS**



### **DIGITAL HEALTH EUROPE**

Integrating and positioning the project into the Digital Health Europe (DHE) and engaging it with European Healthcare Communities



## EUROPEAN HEALTH DATA SPACE

Fostering innovation on integrated health records through the adoption of Holistic Health Records (HHRs) and integrate the project's Ageing-EHDS with the European Health Data Space (EHDS)



### **INTEGRATED PLATFORM**

Development of a Virtualized AI-Based Healthcare Platform (VHP) to centralize AI resources for risk factor analysis, early diagnosis, and personalized decisionmaking



## EMPOWERED AND IMPROVED HEALTH & DIGITAL LITERACY

Establishment of a hybrid user-centric training and educational toolkit to raise the awareness and engagement of the patients with their HCPs and care providers



## SOCIOECONOMICAL IMPACT ASSESSMENT

Showcasing socioeconomical benefits of the digitally enabled community-based care plans



## **GENERAL PUBLIC**

Enhancing trust of the general public, healthcare organizations and SMEs