



The FrailSafe project

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AGE Platform Europe

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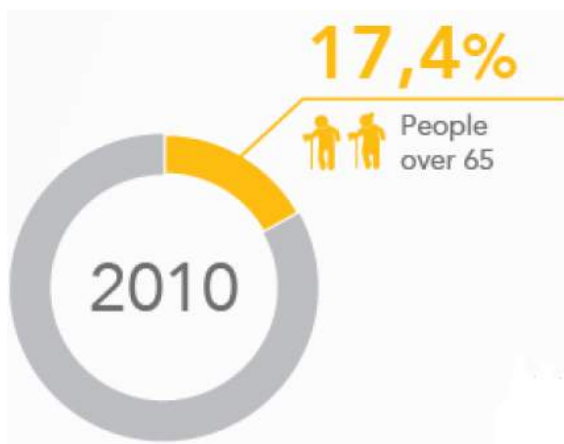


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Context

- The EU population is ageing
- EU objective: increase by 2 the Healthy Life Years (i.e. disability-free)



Frailty?

- A syndrome characterized by diminished strength/endurance and reduced physiologic function. Frailty increases the risk for multiple adverse health outcomes (ex. Disability, morbidity, falls, hospitalisation, institutionalisation, death)
- A dynamic process; it seems **preventable**, may be **delayed** or **reversed**.



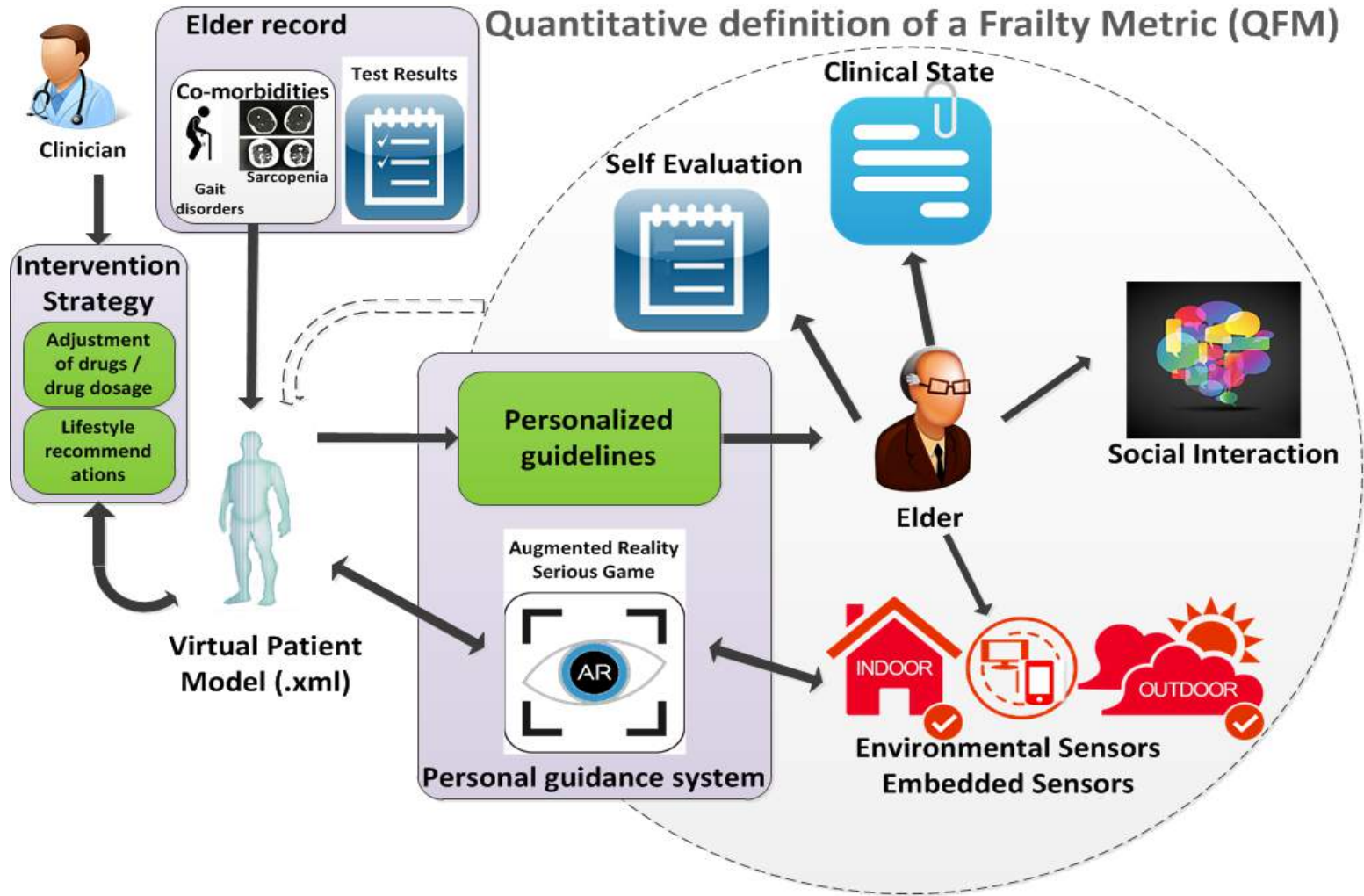
Healthcare

Frailty
assessment,
interventions,
prevention



New technologies

- Data mining
- Augmented Reality
- Serious games
- Smart Textile



Outcomes



A set of new technologies able to measure frailty and to support decisions and interventions to reduce its onset, in particular with :

- Better understand frailty
- Identify quantitative and qualitative measure of frailty
- Develop real-life sensing and intervention platform
- Provide virtual patient model of frailty (~virtual alter ego)
- Generate recommendations to prevent frailty
- Suggest motor, cognitive activities to delay frailty
- Reduce the cost of health care systems (less readmission after falls, rehabilitation costs...)

Wearable monitoring system

The “Smartvest” measures:

- Heart activity
- Respiration activity
- Physical activity

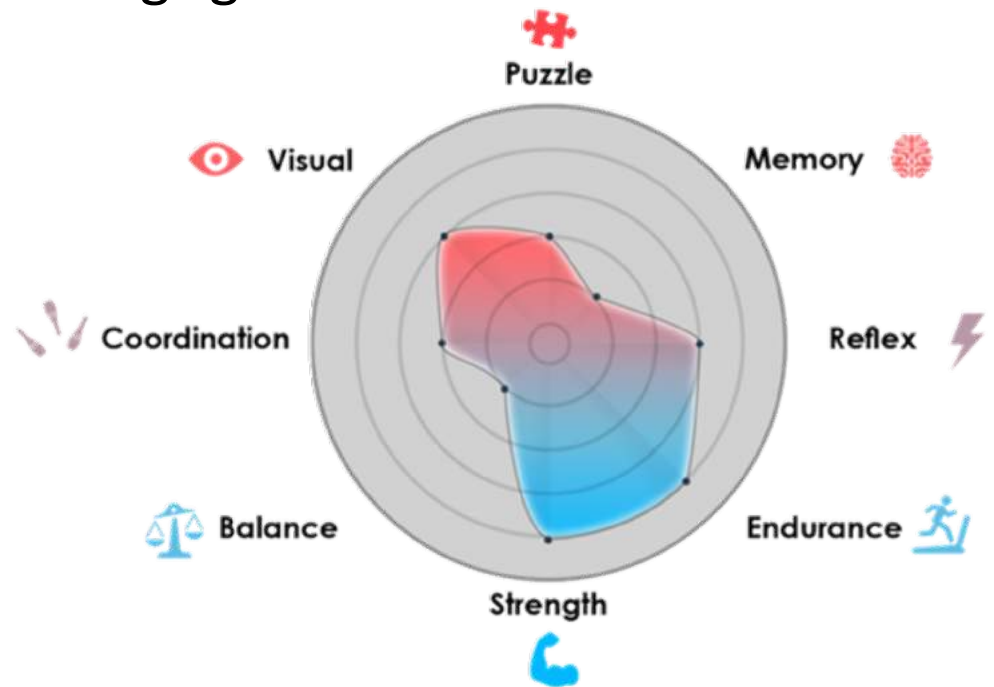
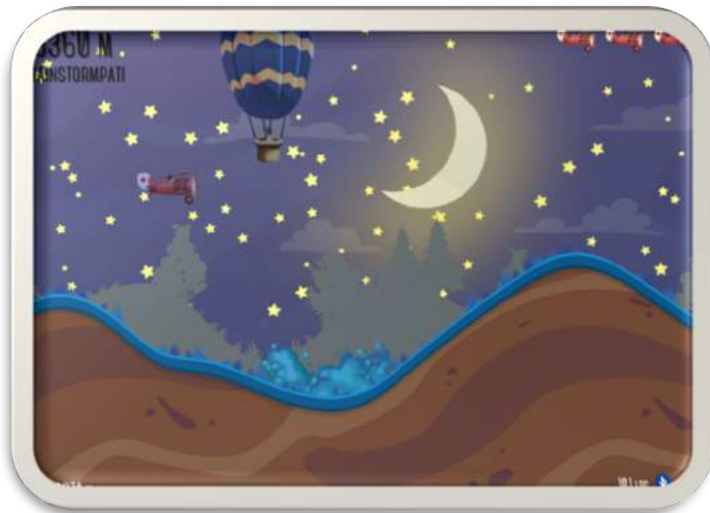
→ All these data are analysed and accessible through the online platform and Virtual Patient Model



Serious Games

FrailSafe serious games help detect frailty symptoms and improve their associated motor and cognitive skills.

One of the games is the RedWings game



FrailSafe in Rural Areas?

Yes!

→ With the FrailSafe online platform, older people are able to monitor their health at home and follow the recommendations sent by the system to tackle frailty (physical activity, cognitive games...).

→ Simultaneously, the GP can track the health data of his/her patient remotely and get in touch when health is at stake.

Project partners



Project coordinator



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**Thank you for
your attention**

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www.frailsafe-project.eu