



The **FrailSafe** project

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23rd-24th Jan 2018, Enschede



Horizon 2020
European Union funding
for Research & Innovation

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 690140

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Objectives



Two categories:

- **Medical:**
 - Deeper understanding of frailty and comorbidities
 - Identify qualitative and quantitative measures to define frailty
- **Technological:**
 - Implement dedicated IT platform
 - Monitor subjects (minimal obtrusiveness)
 - Enact policies of intervention and prevention



How progressing

Medical

- 3 **trials** in progress (Cyprus, France, Greece)
- behavioral and physiological data from about **500 people**

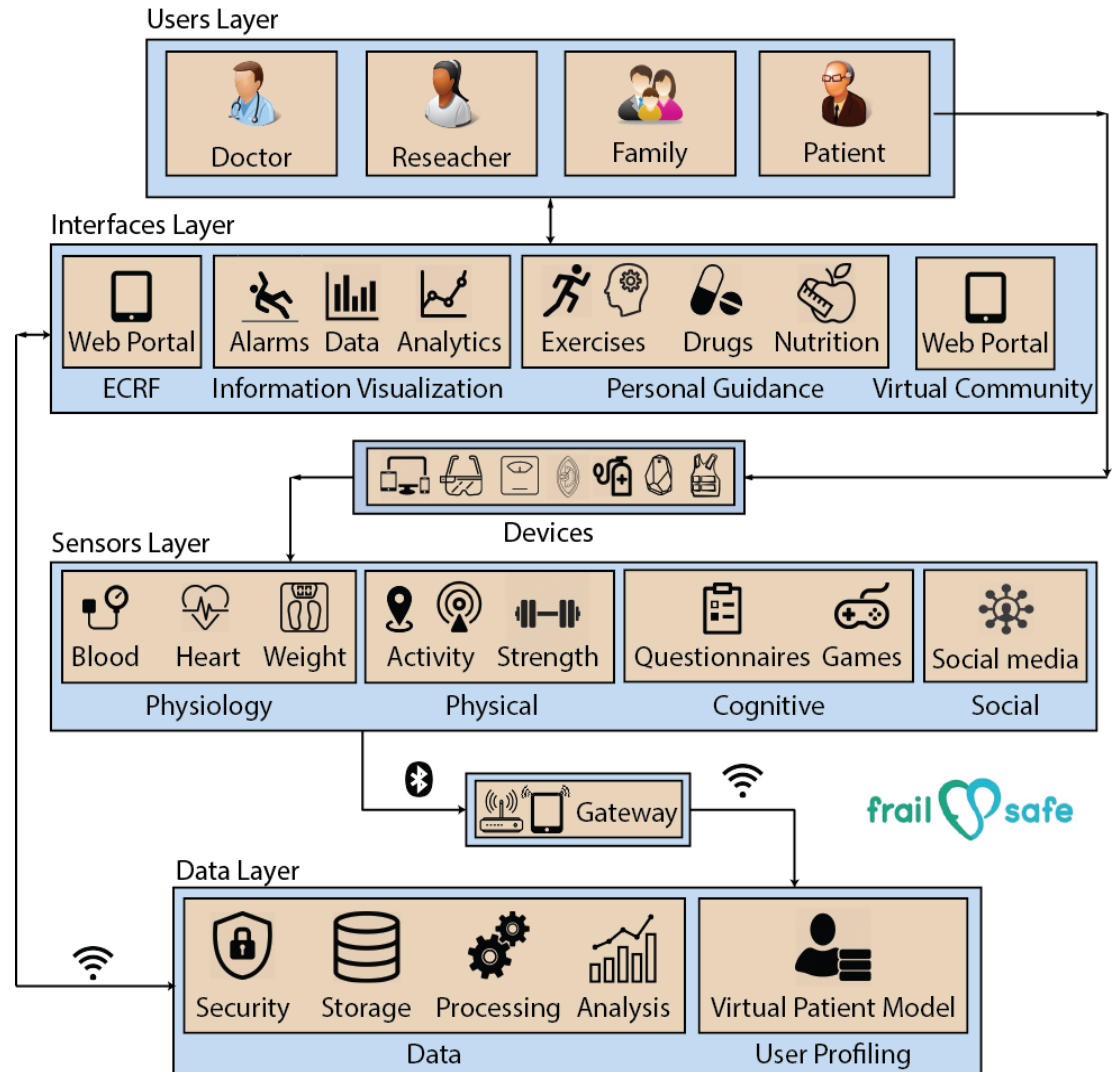
Technological

- **IT modules** implemented
- 2 releases of preliminary **integrated system**



System elements and features

- **indoor** and **outdoor** monitoring
- **smart garment**
- **mobile** and **augmented reality** games
- **dynamically personalized model** of the person
- **big-data analysis** and **hypothesis testing** tools



Outcomes



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

- a **real life sensing and intervention platform** offering physiological reserve and external challenges
- **Quantitative and qualitative measures of frailty** used to predict short and long-term outcome and risk of frailty
- a **digital patient model of frailty** sensitive to several dynamic parameters, including physiological, behavioural and contextual

“Keywords” of the project results:

- **PREVENTION**
- **AGEING AT HOME**
- **SAVING FOR PUBLIC SECTOR**
- **PERSONALIZED MEDICINE**



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Seeking collaboration



On several topics we are seeking of confrontation with similar projects and stakeholders:

- Data **Privacy/Security and IT** best practices and GDPR compliance issues
- **Medical objectives** and in particular on data analysis of the collected data and methods
- **Standardization issues** in particularly concerning the crossing of IT and ageing
- **Exploitation** of results and possible **evolution** of the project itself



Project partners



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS

University of Patras
GREECE



Smartex, S.R.L.
ITALY



MATERIA GROUP
CARE - NURSING - REHABILITATION

AgeCare Ltd
CYPRUS



BRAINSTORM

BrainStorm Multimedia
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**University Hospital (CHU) of
Nancy and INSERM**
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More information



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**Thank you for your
attention!**

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