IN LIFE Project Consortium
www.inlife-project.eu

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# *Ageing better IN real LIFE!*

*Technology for supporting older adults living in community settings*

## IN LIFE PROJECT & BUSINESS OPPORTUNITIES

Societies in Europe are ageing, with the cohort of "the very old" growing at a faster pace than any other age segment of the EU's population. According to Eurostat, the share of those aged 80 years or above will double in the next decades. As many studies show, already now the market for connected wellbeing and healthcare devices and services is rapidly growing, especially in the USA, but also in Europe, India and China.

If well designed and deployed appropriately, technology can be a precious ally in supporting the elderly, help prolong independent living and/or complement the services provided by formal and informal carers. Well-designed ICT solutions thus allow older adults to stay active and healthy, socially connected and facilitate integrated and cost-effective care.

The IN LIFE project has developed technology based assistive solutions in different areas of independence for older adults with mild cognitive impairment and different stages of dementia, an increasing market. The aim of the project was to test how innovative and existing flexible ICT solutions can assist older citizens with cognitive impairment in organising, carrying out and completing everyday tasks (such as home activities, communication, health maintenance, travel, mobility and socialisation tasks) and how ICT solutions can help them to stay safe and feel independent, values equally important for their families.

All solutions have been tested over three years on six pilot sites in Greece, Slovenia, Spain, Sweden, The Netherlands, and the UK with users with cognitive impairment living in their own homes or in sheltered homes. Precious feedback has been captured and some of the solutions are on the market, others are ready to be commercialised or to be integrated with other applications

*The IN LIFE platform provides a comprehensive and flexible way to address elderly's needs, as it groups a wide range of ICT solutions, each of which can serve a different set of end-users and apply a distinct business model.*

Clara Faulí, Open Evidence

### HORIZON 2020

## Be aware that….

*There is often a lack of digital and eHealth literacy among the users and carers, although this barrier is rapidly overtaken by time.*

*ICT solutions for this market segment need to be designed in a way that they can be easily understood and used by the elderly.*

*Efficient and ongoing training is needed to ensure the correct handling of the technology, so post-sales support has to be taken into account in any business plan.*

*Forget about "One jacket fits all". Solutions will need to be customised and personalised in order to satisfy the client.*

## OPPORTUNITIES

With an increasing number of older adults showing cognitive decline, the need for technology based assistive solutions is growing by the day, both in formal and informal care settings. Companies who are interested in taping into this market are invited:

- To build on the experience gained in the IN LIFE project, to use the developed tools and services and to deploy them on large scale.
- To develop tools and services (further) and to make them available through the IN LIFE platform which can serve as central marketplace for AAL solutions.
- To develop dedicated hardware which will allow the direct integration of the project tools, vetted through 3 years of end-user testing.
- To find business and collaboration partners within and through the IN LIFE consortium.
- To use the collected information on relevant standards and best practices to ensure interoperability with other tools and systems and facilitate development for large-scale deployment.

## OVERVIEW OF PRODUCTS & SERVICES and RESPONSIBLE PARTNER

|   | Tool | Type of Tool | Functions | Partner |
|---|---|---|---|---|
|   | IN LIFE Platform | On-line platform | Platform supporting and integrating all IN LIFE tools and other AAL solutions | CERTH/ITI, |
| **Independence** | Daily Functions assistant | Android App | Supporting activities in daily living  (automatized via costumisable NFC tags). | UPM |
|   | Guardian Angel | Android App + sensors | Vital signs monitoring to detect critical situations. Alert with GPS location. | CERTH INAB |
|   | Activity monitoring | Android App + sensors | A rule-based module to detect activity, critical situations and risks. | CERTH INAB |
|   | Web-based exercising | Online training | An online training programme for the home environment while connected with care professional. | RRD |
|   | SOCIABLE | ICT Platform | Cognitive training.tool With multi-touch interfaces and mixed reality activities. | BYTE |
|   | eDoorman | Tablet with security application | It tracks apartments' entries and exits, detects safety-breach situations and sends notifications | JSI |
|   | Fall detection | Wearable wristband | Fall detection system with alarm function. It also monitors daily activities | JSI |
|   | CIRCA | Web-based | A communication support system for people with dementia. | UoS |
|   | CIRCUS | Web-based | An interactive leisure system that provides activity and entertainment. | UoS |
|   | Socialisation support | Web-based (CIRCUS) | An augmentative and alternative communication module for face-to-face and remote communicating. | VGR-DART |
| **Travel** | Driving ability assessment tools | Paper + Web service | A driving ability assessment tool based on a questionnaire and driving session with instructor. | CERTH HIT |
|   | MLS Talk&Drive | Android App | Routing services that uses the user's own speech commands | MLS |
|   | Mis rutas (Public transport support) | Android App | On route assistance and navigation | CRTM |
| **Carers** | Care planning & monitoring tool | Web portal and Android App | Scheduling, recording and data sharing regarding care contacts. | JSI/ Doktor24 |
|   | Teleconsultation | Web-based | Visual communication tool for patients and professionals. | RRD |
|   | Patient monitoring | Web portal | Patient monitoring by regularly asking simple questions. Rapid visual feedback. | RRD |
|   | Virtual training tool | Web based | Serious games for cognitive skills (re)education. | VIRTUALWARE |

## General  IN LIFE contacts

Project co-ordinator: Dr. Maria Fernanda Cabrera, Polytechnic University of Madrid, mf.cabrera (at) upm.es

Project manager: Dr. Maria Panou, Hellenic Institute of Transport, mpanou (at) certh.gr

IN LIFE platform: Nick Kaklanis (CERTH ITI), nkak (at) iti.gr

Tool related business models:  Francisco Lupiáñez-Villanueva, Open Evidence, flupianez (at) open-evidence.com

For tool specific contacts and other information , please visit the website: www.inlife-project.eu