



## Ubiquitous iNteroperable Care for Ageing People



# Press release

Increasingly fast aging population is set to challenge health and care systems. Current care models are proving to be inappropriate and unsustainable. This situation is clearly calling for new care & assistance paradigms.

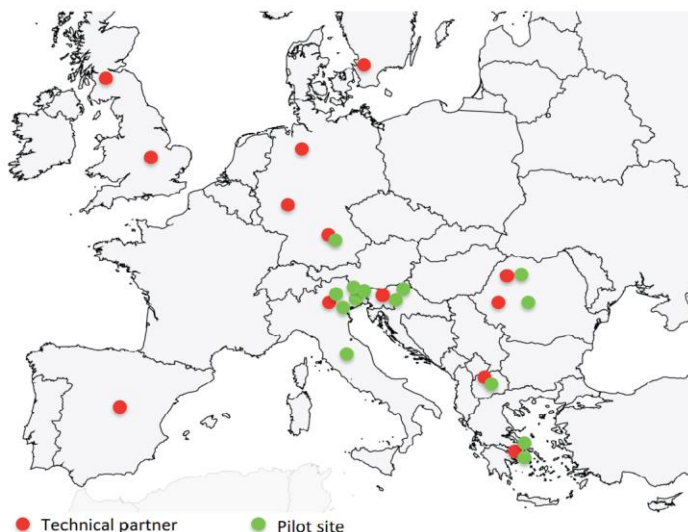
The **UNCAP** project (Ubiquitous iNteroperable Care for Ageing People) will address such a fast-evolving scenario through the development of an **open, scalable and privacy-savvy ICT infrastructure** designed to help aging people (including those with mild cognitive impairments) live independently and with dignity.

In particular, it will leverage on an ecosystem of biosensors and indoor & outdoor localisation solutions to deliver an **infrastructure capable to continuously monitor and assist users in a non-invasive way**.

Furthermore, **UNCAP** will allow accurate **monitoring of user's state** (physical & cognitive), and also creating a range of brand new services designed **to stimulate healthier lifestyle and more active aging process**.

To this extent, the ultimate goal of is to extend the duration of **high-quality life** of aging, frail, and cognitive impaired citizens by helping them achieve **higher autonomy, independence, and dignity**.

To do so, **UNCAP** uses state-of-art **physical/cognitive assessment tools** together with **technologies to locate objects, devices and users** within indoor/outdoor spaces, to **continuously monitor users** in a non-invasive way and to assist them in case alert conditions are detected.



**UNCAP involves 23 partners** (including several pilot user partners) from 9 European countries (Italy, United Kingdom, Slovenia, Romania, Greece, Germany, Spain, Sweden, and Macedonia).



The **main goals of the project** are to:



- 1) **Improve effectiveness of the health care processes** through more effective evaluation processes during the hospital-hospice recovery.
- 2) **Enhance home care treatment and prevention**, in order to delay cognitive impairment of elderly and possibly postpone the recovery.
- 3) **Support more independent living and improve quality of life** of cognitively impaired aging users.

## TECHNICAL SECTION

**UNCAP** develops a product suite for formal and informal care environments made of:

- 1) the **UNCAP BOX** (an Android consumer device connected to TVs);
- 2) the **UNCAP App** for both users and caregivers;
- 3) the **UNCAP CLOUD**, delivering scalable care services;
- 4) the **UNCAP certification suite**, to help software and hardware manufacturers assess compliancy with standards.



The achievements of **UNCAP** will be assessed in the context of several pilots located in private homes, rehabilitation centres, daily nursing facilities and houses etc. in various EU countries, with the involvement of a large number of users and caregivers (ensuring statistical significance) within real operational scenarios for a duration of 12 months.



low-tech informal care (private home) scenario



moving patients from specialised care facilities to home



high-tech informal care (private home) or formal care settings (nursing home)



Long Term Care (LTC) scenario

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