



Ubiquitous iNteroperable Care for Ageing People

www.uncap.eu

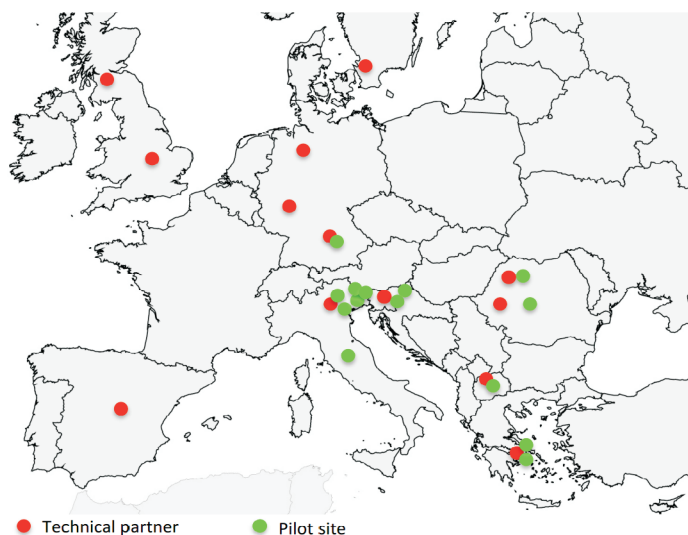


Increasingly fast aging population is set to challenge health and care systems. Current care models are proving to be inappropriate and unsustainable. This situation is clearly calling for new care & assistance paradigms.

UNCAP 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, **UNCAP** will leverage on an **interoperable 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 **UNCAP** 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**.



The project is co-financed by the EU through the Horizon 2020 programme, and it involves 23 partners (including several pilot user partners) from 9 European countries (Italy, United Kingdom, Slovenia, Romania, Greece, Germany, Sweden, Spain, Macedonia).



The main goals of **UNCAP** are:

- 1 **Improve effectiveness of the health care processes recovery** through more effective evaluation processes during the hospital-hospice.
- 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.



This project has received funding from the European Union's Horizon 2020 research and innovation programme - Societal Challenge 1 (DIG CONNECT/H) under grant agreement No 642555.

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.

Indeed, the **technical solutions** will be extensively piloted for a total of 24 months (made of two sets of 12 months), within 14 sites, across six countries, carried on in real operational scenarios (instrumented apartments, nursing homes, elderly care centers and private homes), involving a statistically significant number, almost a thousand, between final users and caregivers, which have been selected for their diversity in order to cover a wide spectrum of practices and care models.

Low-tech informal care (private home) scenario.

Thanks to the use of the UNCAP “starter kit,” made of the UNCAP BOX connected to the TV, an IP camera for video conferencing and video-based tracking of the user, plus a one-year subscription to the UNCAP CLOUD service, patients will be monitored at home.



Moving patients from specialised care facilities to home scenario.

Thanks to the monitoring of patients by the installed UNCAP BOXes, it will be possible to move patients at home and anyhow follow their recovering.



High-tech informal care (private home) or formal care settings (nursing home) scenario.

UNCAP-compatible sensors for measurement of blood glucose and/or blood oxygen levels, and the UNCAP-compatible sensor floor for identifying if someone has fallen, are used for better support assistance at home.



Long Term Care (LTC) scenario.

The UNCAP CLOUD services will allow relatives and medical staff to access and update clinical folder of patients and to monitor their position within the hospice safe area.



www.uncap.eu



Project Office
C/o Trilogis Srl, Via F. Zeni 8 38068
Rovereto, ITALY

Phone: +39 0461 1788032
Fax: +39 0461 1788033
email: info@uncap.eu
web: www.uncap.eu

Follow us on
LinkedIn

