

PARTNER SEARCH ICT-EU-SMCP-8

01 dicembre 2017

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Ricerca partner dalla Spagna.

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<Reference n.: ICT-EU-SMCP-8>

<Deadline: 15/07/2008>

<Programme: IIT - AAL - Ambient Assisted Living Joint Programme>

<Project Title: Innovation and development of new technologies for tele-monitoring the health and>

<Financial Scheme: Progetti in collaborazione - Small or Medium>

<Description: Call Identifier: AAL-2008-1

BACKGROUND

The demographic and epidemiologic revolutions have lead to an increase of dependent older adults affected by a chronic condition. Ostearticular and cardiovascular disease are the most frequent illness affecting older adults and limiting the realization of day-to day activities. Dependency causes different shortmedium

and long-term negative consequences at individual, family, community, society and financial level that need optimum intervention.

Main problems related to dependent elderly persons are 1) the prevention, control and self-management of the chronic illness for hindering the deterioration and worsening of the illness by the physician, the elderly and the informal caregiver. Another problem is 2) the lack and loose of autonomy regarding several instrumental and basic daily activities such as to move around inside and outside the house, to do

household works, to care of him/herself and of their illnesses. The care from an informal caregivers cause burden and limits the promotion and maintaining autonomy and independency of the dependent persons
The situation to take care of a dependent elderly person leads to problems in the care at home, the institutionalization of the person in nursing homes, social isolation of the older adults, long-term hospitalization, influencing negatively on the independence, autonomy, welfare and quality of life of the elderly and their caregivers.

One solution is to monitor remotely the daily activities and health indicators of the dependent older adults by the physician and the informal caregivers, giving feedback also to the older adults on their own situation and progress and preventing and informing on risky situations.

OBJECTIVES

The general objective of this project is to develop an ICT system to improve the prevention, control and self management of the chronic illness and the autonomy of dependent elderly people affected by an osteoarticular and cardiovascular disease.

This ICT system combines in a unique scheme a health monitoring and communication system in real time together with a geo-localisation and movement detection system. Concretely, specific objectives of this project are:

- To monitor remotely the health and the daily activities indicators of the dependent older adults by the physician and their informal caregivers.
- To collect biometrical data by the health professional during 24hours/day, in any kind of place and situation of the dependent elderly patient.
- To give a daily and remote feedback to the older dependent adults on their current state of health and functional capacity as well as on the progress made.
- To prevent and informing remotely, in any moment of the day and in any place on health risky situation to the patient, the health professional and the informal caregiver.
- To improve the mobility and daily activities performance of the patients as well as the social relationships of dependent older adults and their caregivers.

ACTIVITIES

WP 1. Definition of the health and daily activities performance needs of the patients.

WP 2. Definition of the information record system for the health professionals, the caregivers and the patients.

WP 3. Study and selection of the technological needs of health telemonitoring, geolocalisation and communication systems.

WP 4. Preparation and development of the prototype.

WP 5. Prototype tests.

WP 6. Marketing study and development of the business plan.

WP 7. Management of the project.

WP 8. Dissemination and exploitation of the results.

RELEVANCE

This is an innovative solution due that different ICTs are integrated in a unique system and give feedback to the elderly, the health professional and the informal caregivers. Concretely:

From the technological perspective.

1.- This is a light and mobile user device, composed by sensors (biometrics, fall, emergency, localisation, etc.) and by a communication system that allow to send information on the health state of the patient in real time in any place and situation.

2. - It is composed by a monitoring service where position, health indicators and risky/emergency situations (fall, etc) are recorded, informed and shown in a map.

From the service perspective.

3.- These ICT allow to favour a) the monitoring of the patient by the physician (or health professional) during his/her daily life in real time and to collect biometrical

data in another life situations than in the surgery, b) to monitor and localise the relative and risky situations for the informal caregivers as well as an immediate action in case of emergency and c) improve the autonomy and independent living for the dependent elderly person and for their caregivers promoting their social relationships. >

<Organisation Type: PMI >

<Partner Sought: LOOKING FOR PARTNERS mainly from:

- Health care centres.
- Social and health care associations.
- Health care administrations.
- SMEs dedicated to the health and social care sector