

## THE PROJECT

NACODEAL's main objective is to generate a portable device in which an Augmented Reality module will be integrated and will create friendly guides, so that its users will be capable of performing their daily activities and access to online services that are relevant for them.



Eindhoven, AAL Forum 2012

## DATA:

Starting Date: **October 2011**

Duration: **30 months**

NACODEAL is a project co-funded by AAL Joint Programme, Call 3 2010

Placing on the market: **2014**

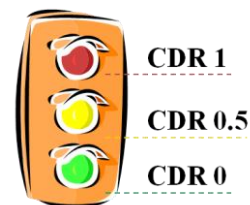
<http://www.nacodeal.eu/en/>

## WHO ARE THE NACODEAL END USERS?

NACODEAL aims at providing a smart system to support elderly people, especially end-users with mild and temporary memory problems.

During the content specifications analysis of the NACODEAL services, 3 user categories have been identified, through a clinical classification method: Clinical Dementia Rating scale (CDR scale); precisely, the first 3 levels, *normal dementia* (CDR0), *questionable dementia* (CDR0.5) and *mild dementia* (CDR1).

The elderly belonging to the first category (CDR0) can independently access to all services designed for NACODEAL system; they will need, at most, the normal technical assistance that requires a person with digital divide. The seniors who belong to the second level of the scale (CDR0.5), instead, can use many applications uploaded on the NACODEAL device in independent way, but for some of them they might need an external support (familiar, friend, assistant, nurse, doctor) able to facilitate their interaction with it. Users belonging to the last category considered (CDR1) will need more assistance during the use of NACODEAL device because of their lower cognitive autonomy, but probably they will be the ones who will benefit more of the NACODEAL services, in terms of stimulation of their cognitive abilities and preservation/delay of further memory losses.



## AAL JOINT PROGRAMME:

The AAL JP is a funding programme that aims to create better condition of life for the older adults and to strengthen the industrial opportunities in Europe through the use of information and communication technology (ICT).

It carries out its mandate through the funding of across-national projects (at least three countries involved) that involves small and medium enterprises (SME), research bodies and user's organizations (representing the older adults)



Parma, Foritaal 2012

## USER VALIDATION: THE NACODEAL PROJECT IS REALLY GETTING GOING

The **user validation** represents the project core stage, fundamental to understand the real impact of NACODEAL on final users. It foresees the possibility for the real end-user to test, to try, to use and, therefore, to assess the device, represented by a first prototype.

The pilots will be conducted in France and Italy through two Test Performance phases starting from May up to December 2013. During the 1<sup>st</sup> testing stage, the developers “fine tune” the NACODEAL prototype with a control group of elderly, in order to adapt the system on the user needs and characteristics (a kind of trial). The 2<sup>nd</sup> session will test the device in real scenarios with end-users living in facilities and own home, in order to assess and verify the acceptance, the accessibility, the usability as well as the effectiveness of the NACODEAL system.

Throughout the validation all activities will be constantly and carefully supervised and monitored by researchers and by qualified social carers (assistants, nurses, psychologist, etc.), in order to ensure the safeguard of the users, in terms of ethical issues, privacy and sensitive data protection.



## CONTACTS:



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