



# CUARDIAN ANGEL II (CARA II)

AAL-2019-6-56-CP

Deliverable 6.2 – Papers to scientific or end-user or AAL Conferences

**F2S2**



**SD-Insights**  
Improve driving performance



Center for  
Human-Computer Interaction  
University of Salzburg



**kbo-pcob**



## Project identification

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ZonMw

## Project Consortium

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# 1 CARA II Project Overview

Results based on the participation of over 1,500 end-users during the preceding CARA-I project illustrated that car mobility is a very important factor for seniors' freedom and independency. To this effect, seniors showed expressive interest in possible solutions for problems they experience as car drivers. Accordingly, the follow-up project CARA-II aims to further develop the solutions presented in CARA-I and keep safe driving accessible for seniors, which should assist in maintaining their self-reliance and their active lifestyle, as well as support their caregivers.

## 1.1 Aim of CARA II

Within 18 months, CARA-II will develop several products under the CARA Platform umbrella. The products should generate the following added values to seniors: keep driving safely, reduce stress, keep a low insurance premium and save fuel. And above all: keep driving comfortably.

In order to achieve this objectives CARA II will:

1. significantly increase end-user involvement by engaging the three on-board end-user organisations, to execute large-scale field tests
2. move from the BM to a fully validated integral business plan and deals
3. develop advanced technology supporting senior mobility at TRL-8

## 1.2 CARA II Approach

- In a first step, the driver behaviour awareness and the interest in the CARA II products should be raised and improved through the 'CARA selftest', that will be available via the CARA II Platform.
- The iterative design approach with four test iterations over an 18-month period will guarantee a continued close contact and a testing with large end user involvement.
- By the end of the project, the CARA II platform is intended to provide both a project information for partners and experts and the functioning prototypes 'CARA MyCoach' (gives driving feedback) and 'CARA MyRoad' (enables personalised safe navigation) for seniors and relatives.

## 2 Target groups

In order to direct the dissemination resources efficiently the CARA II target groups – using the AAL definitions – can be clustered as follows:

### 2.1 Primary End-Users

Primary end-users are defined as persons, who actually will use and benefit from CARA II products.

### 2.2 Secondary End-Users

Secondary end-users are defined as persons or organisations, which are directly in contact with a primary end-user.

- Family members
- Friends
- Neighbours
- Care organisations and their representatives

### 2.3 Tertiary End-Users

Tertiary end-users are defined as institutions and private or public organisations that are not directly in contact with the CARA II products, but their services could contribute in enabling them. This group includes both stakeholders and investors.

- Regional governments and ministries
- Driver's licencing institutes (e.g. CBR, GOCA, etc.)
- Automotive tiers (e.g. V-tron, Volvo, Toyota, etc.)
- Road Safety Institutes (e.g. SWOV, VSV, VIAS, etc.)
- End-user organisations (e.g. S-Plus, etc.)
- Insurances and insurance brokers (e.g. De Groot Coevorden, ABW, Achmea, FVF, etc.)
- Marketing specialists (e.g. Route50Plus, etc.)
- Business Angel Networks and Accelerator Programs (e.g. Seedcamp, BeBan, YES!Delft, etc.)

### 2.4 CARA II Project Partners

The CARA-II consortium is a well-balanced consortium with businesses, (research) institutes and end-user organisations. All partners have clearly defined roles within the project and will be responsible for distributing relevant information to their network.

### 3 Scientific dissemination activities

#### 3.1 Planned according to the DoW in the dissemination plan

All partners committed themselves to participate in national or international conferences, that deal with research, which has a respective relation to the project contents. It was intended, that each scientific partner could submit at least two to three oral or poster presentation at conferences or relevant events.

For scientific dissemination activities each scientific partner intended to submit at least one to two articles to relevant journals or magazines. Furthermore, all other partners are invited to publish in journals and magazines as well.

#### 3.2 Carried out activities

Due to COVID-19 restrictions most relevant conferences and fairs in 2020 and 2021 were cancelled or postponed to after the project end. This resulted in a reduced possibility of scientific project dissemination.

The following scientific dissemination activities were carried out.

Table 1: Scientific dissemination

Scientific dissemination activities	Date	Status	Responsible Partner
ITU Forum	19/02/2020	Presentation - -- CuARDian Angel- Session – Accessible Europe innovative solution to create a more digitally inclusive world	F2S2
Forum für Verkehrssicherheit, Munich, Germany	6-7/03/2020	CARA II was presented and discussed bilaterally	KFV
Automotive UI, virtual conference	21-22/09/2020	CARA II was presented and discussed with conference participants (virtual booth)	PLUS
Sammelband “Aktives Altern”, Springer Verlag	to be published in 2021	Book chapter - <i>Driving assistance systems to maintain personal mobility: A contribution of human-computer interaction to active ageing</i> (in German)	PLUS
Humanist, Human Perspective in an Evolving Transport aera, Rhode Island, Greece	Postponed to 26-27/10/2021	Abstract – <i>Enhancing the safety of elderly drivers by a tailored feedback system</i> – not accepted	KFV
7th International Conference on Traffic and Transport Psychology (ICTTP), Gothenburg, Sweden	Postponed to 23-25/08/2022	Abstract – Creating a safer driving context for senior citizens – accepted	F2S2
DEKRA konferencję dotyczącą bezpieczeństwa w ruchu drogowym osób starszych (Conference on road safety for older people)	02/09/2021	Presentation - CARA II	F2S2
Automotive UI, virtual conference	09-14/09 2021	CARA II will be presented and discussed with conference participants (virtual booth)	PLUS

The European Week of Active and Healthy Ageing 2021 (AAL)	18-21/10/2021	Abstract – <i>CuARdian Angel II</i> – submitted	F2S2
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