



# GUARDIAN

The social robot companion to support homecare nurses  
GUARDIAN

## D5.5 Dissemination report

<b>Project acronym:</b>	GUARDIAN
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<b>Deliverable Name :</b>	Dissemination report
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<b>Due date of deliverable :</b>	M12/M19
<b>Actual submission date :</b>	M19
<b>Author(s):</b>	Henk Herman Nap
<b>Lead partner for this deliverable :</b>	Vilans
<b>Contributing partners :</b>	VIL

## Versioning and contribution history

Version	Description	Comments
0.1	Vilans	First template in M6
0.2	Vilans	Updated in M12
1.0	Vilans	Updated/Check 2021

## Deliverable process schedule

No	Process step	Responsible	Timing	Comments
0.1	First Draft	Vilans	M6	First template
0.2	Update	Vilans	M12	Updated
1.0	Updates	Vilans	M19	Updates in 2021 (HH Nap)
1.1	Iterative		End of 2021	

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## 1. Overview of Dissemination Activities

Activity	Date	Medium and reference	Indicative
		(press, event,	<b>coverage</b>
		newsletter,	
		webpage, etc.)	
<a href="https://guardian-aal.eu/">https://guardian-aal.eu/</a>	March 2020	Guardian Web-site (continuous updates)	Reach approx.. 1000 people
<a href="https://www.vilans.org/item/easing-the-caregivers-burden-with-the-guardian-care-robot/">https://www.vilans.org/item/easing-the-caregivers-burden-with-the-guardian-care-robot/</a>	March 2020	Article on webpage	Reach approx.. 4.000 people
<a href="https://www.vilans.org/item/a-european-aal-project-guardian/">https://www.vilans.org/item/a-european-aal-project-guardian/</a>	March 2020	Article on webpage	Reach approx.. 4.000 people
Article on:	9-3-2020	Article on webpage	Reach approx. 500.000 people
<a href="https://www.vilans.nl/artikelen/interview-mantelzorg-op-afstand-door-zorgrobot-guardian">https://www.vilans.nl/artikelen/interview-mantelzorg-op-afstand-door-zorgrobot-guardian</a>			
<a href="https://www.vilans.org/item/guardian-enhancing-the-autonomy-of-older-people-respecting-privacy/">https://www.vilans.org/item/guardian-enhancing-the-autonomy-of-older-people-respecting-privacy/</a>	10-3-2020	Article on webpage	Approx. 4.000 people
Article on:	10-3-2020	Article on webpage	Reach 100-500.000 people
<a href="https://www.icthealth.nl/nieuws/mantelzorg-op-afstand-door-zorgrobot-guardian/">https://www.icthealth.nl/nieuws/mantelzorg-op-afstand-door-zorgrobot-guardian/</a>			

<a href="https://www.linkedin.com/feed/update/urn%3AII%3Aactivity%3A6656264334454378496/?actorCompanyId=10492229">https://www.linkedin.com/feed/update/urn%3AII%3Aactivity%3A6656264334454378496/?actorCompanyId=10492229</a>	5-4-2020	LinkedIn	>400 people
<a href="https://www.radiolac.ch/actualite/le-monde-de-demain-un-robot-social-en-projet-aux-hug/">https://www.radiolac.ch/actualite/le-monde-de-demain-un-robot-social-en-projet-aux-hug/</a>	18-5-2020	Radio Online	Reach approx. 100-500.000 people
<a href="https://www.tue.nl/en/our-university/calendar-and-events/30-06-2020-ai-cafe-first-edition/">https://www.tue.nl/en/our-university/calendar-and-events/30-06-2020-ai-cafe-first-edition/</a>	30-6-2020	AI café first edition	Reach approx. 250 people
<a href="https://www.vilans.org/item/care-robot-guardian-in-the-spotlight-on-swiss-television-station-rtv/">https://www.vilans.org/item/care-robot-guardian-in-the-spotlight-on-swiss-television-station-rtv/</a>	aug-20	Newsitem	>4.000 people
<a href="https://www.sciencedirect.com/science/article/pii/S1877050920317130">https://www.sciencedirect.com/science/article/pii/S1877050920317130</a>	15-8-2020	Scientific Paper	Reach Worldwide


<a href="https://twitter.com/RadioTéléSuisse/status/1296025363445760001">https://twitter.com/RadioTéléSuisse/status/1296025363445760001</a>	19-8-2020	Twitter + Video/TV	Reach approx. 200.000 people
<a href="https://twitter.com/Hopitax_unige/status/1297146752227856384">https://twitter.com/Hopitax_unige/status/1297146752227856384</a>	22-8-2020	Twitter + Video/TV	Reach approx.. 30.000 people
<a href="https://www.vilans.org/it/m/guardian-enhancing-the-autonomy-of-older-people-respecting-privacy/">https://www.vilans.org/it/m/guardian-enhancing-the-autonomy-of-older-people-respecting-privacy/</a>	19-9-2020	Online Blog / Web-site	Reach 500.000 people
Online presentation on data- and AI-driven technologies for Dutch AI Coalition workgroup on Patient and Client participation	12-10-2020	Online presentation	Reach 30 people
Online presentation at International Forum on Senior Care Science and Innovation (SCSI) Beijing 2020 (Henk Herman Nap)	20-10-2020	Event	>10.000 people
<a href="https://www.sciencedirect.com/science/article/pii/S1877050920317130">https://www.sciencedirect.com/science/article/pii/S1877050920317130</a>	5-10-2020	Scientific Paper	Reach Worldwide
<a href="https://www.generations-plus.ch/?q=magazine/actualit%C3%A9s/soci%C3%A9t%C3%A9/solitude-un-robot-pour-futur-compagnon%E2%80%89">https://www.generations-plus.ch/?q=magazine/actualit%C3%A9s/soci%C3%A9t%C3%A9/solitude-un-robot-pour-futur-compagnon%E2%80%89</a>	7-10-2020	Online magazine	
Online presentation at International Gerontechnology Conference (Dirk Lukkien, Hendrik Buimer, Henk Herman Nap)	8-10-2020	Event	>1.000 people
Online presentation at MIMTT2020, the 2nd EU-China Health Summit (Henk Herman Nap)	22-10-2020	Event	>5.000 people
Online presentation at MIMTT2020, the 2nd EU-China Health Summit (Peter Ruijten, TU/e)	22-10-2020	Event	>5.000 people
Online presentation at NVLF Jaarcongres 2020 - Panel (Henk Herman Nap)	30-10-2020	Event	Approx.. 50 people
<a href="https://www.vilans.org/it/m/a-social-robot-can-be-of-great-use-in-times-of-a-pandemic/">https://www.vilans.org/it/m/a-social-robot-can-be-of-great-use-in-times-of-a-pandemic/</a>	11-11-2020	Blog Online Web-site	>4.000 people

Online presentation at Gerontech and Innovation Expo cum Summit (GIES) 2020 (Henk Herman Nap)	18-11-2020	Event	>5.000 people
Blended presentation at Congres Ouderenzorg Tech (Dirk Lukkien, Hendrik Buimer, Sandra Suijkerbuijk, Henk Herman Nap)	19-11-2020	Event	100-200 people
Online Key-Note at International symposium on Long-term care and Dementia Care in Taiwan (Henk Herman Nap)	5-12-2020	Event	300 people on-site
<a href="https://www.healthvalley.nl/events/hvtv-is-robotica-de-toekomst-in-de-zorg">https://www.healthvalley.nl/events/hvtv-is-robotica-de-toekomst-in-de-zorg</a>	11-12-2020	Online Event / TV	Reach approx.. 300 people
<a href="https://www.vilans.nl/artikelen/zorggroep-noordwest-veluwe-aan-de-slag-met-guardian">https://www.vilans.nl/artikelen/zorggroep-noordwest-veluwe-aan-de-slag-met-guardian</a>	19-4-2021	Article on webpage	Reach approx. 500.000 people
<a href="https://www.tue.nl/en/news/news-overview/19-04-2021-vilans-and-tue-are-developing-an-advanced-care-robot-as-part-of-the-international-guardian-project/">https://www.tue.nl/en/news/news-overview/19-04-2021-vilans-and-tue-are-developing-an-advanced-care-robot-as-part-of-the-international-guardian-project/</a>	19-4-2021	Article on webpage	Reach
<b>Validation and accuracy estimation of a novel measurement system based on a mobile robot for human detection in indoor environment</b>	22-4-2021	Article ( under review)	Reach
Analysis and development of a robot on board sensors network to localize people in indoor living environment	29-10-2020	MSc thesis	Medium
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<b>Evaluation of the accuracy of an audio signal processing algorithm in supporting the interaction between humans and robots</b>	On going	Msc thesis	Medium
Sharper night	24-9-2021	Event	Reach Worldwide
<a href="https://www.sharper-night.it/">https://www.sharper-night.it/</a>			
<a href="https://znwv.sharepoint.com/sites/home/_layouts/15/search.aspx/siteall?q=guardian">https://znwv.sharepoint.com/sites/home/_layouts/15/search.aspx/siteall?q=guardian</a>	19-4-2021	Article on webpage	600 people (internal organisation)
<b>The Importance of Smartphone Connectivity in Quality of Life</b>	1-6-2021	(Book chapter, accepted)	Reach Worldwide
<b>A Replicable Method For Modeling with Smartphone Application Usage Record</b>	1-9-2021	Article ( in-progress)	Reach Worldwide
<b>Less Annoying: Managing smartphone apps user QoE expectations</b>	1-9-2021	Article ( in-progress)	Reach Worldwide

<a href="https://anderswerkenindezorg.nl/">https://anderswerkenindezorg.nl/</a>	15-7-2021	Event, presentation about care robots	>100
<u>Writing of an article on GUARDIAN's requirement, methodology and tests for the MIE Conference</u>	up to come (August-September) Deadline: November 2021	Article to submit, if accepted it will lead to a presentation of the paper at the European conference MIE	Reach approx. 200 people
<u>International Symposium on Long-Term care and Dementia Care</u>	30-11-2020	Event / online presentation	>300
<u>Workshop Impuls voor de Zorg</u>	8-2-2021	Event / online presentation	100
<u>JAIN presentation NL (Final)</u>	29-4-201	Event / online presentation	>1000
<u>ACAP presentation Gerontechnology (Hong Kong)</u>	27-5-2021	Event / online presentation	>1500
<u>Collega Academie Zorg</u>	3-6-2021	Event / online presentation	20 (Directors & Professors)
<u>Workshop Ons Tweede Thuis</u>	28-6-2021	Event / Workshop	25 (care organization)
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-			



## 2. Some screen dumps from online publications



QoL Lab mQoL Living Lab News Jobs Take QoL Survey Join a Study Contact


QoL Group > Research >  
2020-2022: European AAL "Guardian: The Social Robot Companion to Support  
Homecare Nurses"

Project [website](#)

### GUARDIAN: The Social Robot Companion to Support Homecare Nurses

European Ambient Assisted Living project "The Social Robot Companion to Support Homecare Nurses" (AAL-GUARDIAN) (AAL-2019-6-120-CP) (2020-2022).

With a decreasing workforce of care professionals and to support an active and positive working life of informal carers, there is a need for assistive technologies at home. Not only to support the seniors in need of care, but also to support the caregivers. The GUARDIAN project introduces a social companion, which aims to be of direct benefit for three groups of end-users.




NEWS AND EVENTS News overview Media relations PhD theses summaries

#### Vilans and TU/e are developing an advanced care robot as part of the international Guardian project.

APRIL 29, 2023


Vilans researcher and coordinator Henk Herman Nap: "With the Guardian robot, the informal caregiver knows from a distance where his or her neighbor has fallen and can then - by driving the robot there - establish a speech image connection."



Informal caregivers ('mantelzorgers', in Dutch) find it increasingly difficult to combine their work and care tasks. If you add the growing shortages in healthcare, it is clear that something has to be done. The international Guardian research project aims to develop a care robot to ease this societal issue.

Guardian allows to monitor a client or loved one remotely. Nap: "With Guardian we want to develop a robot for coaching, monitoring and social contact. The robot will also allow the district nurse or informal carer to keep an eye on his or her client or relative from a distance. We are aiming at care professionals and informal carers who look after elderly people living at home."

[Link to the interview](#) in Dutch





Jessica Rochat is a specialist in human-machine interaction and works at Geneva University Hospitals (HUG). The Radio Télévision Suisse (RTS) interviewed her on August 18, 2020. Jessica: 'It's still not common for people to interact with a robot. That's why it's very important that we assess the needs of the end users: older people living at home.'

Jessica Rochat is also a PhD student in psychology and head of the Evalab team, at the Medical Information Sciences Division of HUG. The Evalab team focuses on conception, design and evaluation of health technology. Jessica: 'As one of the European partners, we are participating in the innovative Guardian project because there is still a lot of research to conduct regarding the likeability of robot-based solutions. This likeability is a key factor in

## ← Tweet



sara casaccia @sara\_casaccia · 11 dec. 2020

The work of our UNIVPM research team @DIISM\_UNIVPM for GUARDIAN project detailed in this interview: [vilans.org/item/a-social-robot/](https://vilans.org/item/a-social-robot/)

Visit also the project website 🌐 [guardian-aal.eu](https://guardian-aal.eu)

@AALProgramme



A social robot can be of great use in times of a pandemic - Vilans  
'In providing care services, a social robot like Guardian can limit the trips to hospital and the GP for older persons and their informal carers. This ...  
🔗 [vilans.org](https://vilans.org)



The aim of the Guardian project is to develop a robot that supports seniors and caregivers. Vilans researcher and coordinator of the project Dr. Henk Herman Nap: 'With the Guardian robot, the informal carer will know from a distance where his loved one has fallen, then he can direct the robot to that location and establish a speech-image connection via the robot.'

<https://www.vilans.org/item/easing-the-caregivers-burden-with-the-guardian-care-robot/>



Guardian is a three-year project that started on the 25th of February, 2020. Coordinator Dr. [Henk Herman Nap](#) and researcher [Dirk Lukkien](#) from Vilans, share an update and discuss the role of responsible innovation. 'We will innovate responsibly. Therefore it is essential to reflect and be constantly aware of the choices we make in the development process.'

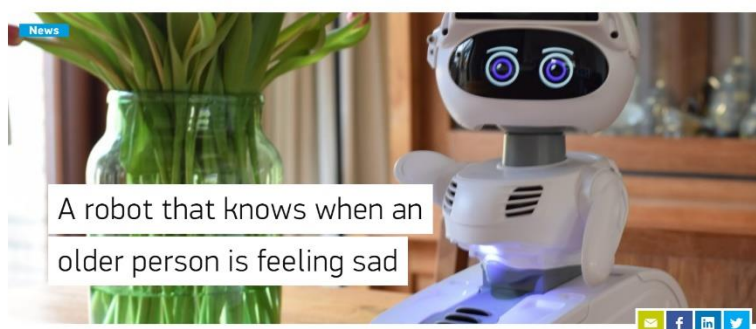
<https://www.vilans.org/item/guardian-enhancing-the-autonomy-of-older-people-respecting-privacy/>



The University Politecnica delle Marche (UNIVPM) in Italy is involved in, among others, the technological development of social robot Guardian. Researcher Sara Casaccia: 'In providing care services, a social robot like Guardian can limit the trips to hospital and the GP for older persons and their informal carers. This is beneficial in times of a pandemic'.

Casaccia: 'Guardian can be the eyes and ears of the older person in providing information about him to carers. The aim of UNIVPM is to develop different skills and functionalities of the robot. We are working on sensors "on board" or integrated into the robot. So that the robot can identify where the older person is in the room and interact with the user. This means less worrying for the informal caregiver who will receive information, for instance,

<https://www.vilans.org/item/a-social-robot-can-be-of-great-use-in-times-of-a-pandemic/>



'In order to support caregivers, we want the Guardian care robot to be able to detect the feelings of an older person', says Alexandre de Masi, PhD Student of the University of Geneva who is involved in the research. 'With Artificial Intelligence (AI) the robot will improve the interpretation of emotions over time.'

His grandparents will turn ninety in a couple of years and are a strong motivation for his work. De Masi: 'It would be wonderful if they can live in their home as long as possible. As involved researchers, we all have to ask ourselves this question: "How can I help my parents or grandparents in the future?"

<https://www.vilans.org/item/a-robot-that-knows-when-an-older-person-is-feeling-sad/>