



ANNUAL PROGRESS REPORT
 – LIVING WELL –

Please send this report ELECTRONICALLY to the Central Management Unit (CMU) as well as a copy to the National Contact Persons (NCPs) of the coordinator and project partners

The coordinator of the project must submit this report within 60 calendar days after the end of each calendar year, on behalf of the consortium.

If you have any additional question, please contact the AAL CMU at CMU@aal-europe.eu, or your NCP (see details on www.aal-europe.eu/aal-ncp)

Report date	28/02/2019
Reported period	This report covers the period from 01/2018 to 31/12/2018
Report No.	This is the second annual report of the project

PROJECT	
Project full title	Living Well with Anne
Project acronym	Living Well
Project No.	AAL-2016-102
Project Website	www.livingwellwithanne.eu
Project duration	<ul style="list-style-type: none"> • Starting date: 01/06/2017 • Termination date: 31/05/2020
Coordinator's name and details	Full name: Ellen Steenmeijer E-mail address: e.steenmeijer@anne4care.nl Telephone number: +31 6 82785654

PROJECT PARTNERS			
No.	PARTNER ORGANISATION NAME	PARTNER ORG. ACRONYM	AAL NATIONAL FUNDING AGENCY
1 (coord.)	Virtual Assistant BV	VIR	ZonMw
2	Windesheim University of Applied Sciences	WIN	ZonMw
3	De Parabool	DPL	ZonMw
4	National Institute of Health and Science on Aging	INR	Ministry of Health (MoH) (Ministero della Salute)
5	Lucerne University of Applied Sciences and Art/iHomeLab	IHL	State Secretariat for Education, Research and Innovation (SERI)
6	Switzerland Innovation Park Biel/Bienne AG	SIP	State Secretariat for Education, Research and Innovation (SERI)
7	Stiftung Hëllef Doheem	SHD	Fond National de la Recherche(FNR)

1. ADMINISTRATIVE PROJECT PROGRESS

Report below any changes in administrative aspects of the project, excluding all financial aspects.

CHANGE IN	NO	YES	IF YES: REMARKS/EXPLANATIONS
<i>Duration of the project</i>	X		
<i>Consortium composition</i>	X		
<i>Project staff members</i>		X	THE COORDINATOR OF THE PROJECT (VIRTASK) HAS BEEN CHANGED: HERMAN SLAGMAN HAS LEFT, ELLEN STEENMEIJER (VIRTASK) TOOK OVER AS COORDINATOR
<i>Other</i>	X		

2. deliverables submitted and milestones achieved during the reported period

Please list below the deliverables and milestones, using the same numbering as specified in the description of work.

In case of deviations from the description of work (work plan) regarding delivery dates, achievement of milestones or changes in planned outputs, please give details, and indicate whether and to whom (AAL NFA/NCP) the changes have been communicated.

ALL CHANGES HAVE BEEN COMMUNICATED AND EXPLAINED FOR THE MTR AND HAVE BEEN APPROVED IN THE RAPPORT OF THE MTR COMMITTEE

Deliverable	Due date	responsible partner	Delivery date	Remarks/Explanations
D.1.2	aug 17	VIR	nov 18	<i>This was a second version, all the changes have been explained in this deliverable. the Risk register will be revised again and reported in the final report</i>
D.1.3	23/02/2018	VIR	23/02/2018	<i>Periodic status report has been published on the projects' website</i>

D.2.1	aug 18 (iterated)	WIN	Feb 2019	<i>D.1.2 and D.2.2 are integrated in one single deliverable. Accidentally a draft version was delivered for the MTR. The final version is included with this annual report. Delay is due to a total new testing methodology as was explained in the MTR and has been approved by the reviewers of the MTR</i>
D.2.2	dec 17	WIN	-	<i>canceled (merged with D.1.2)</i>
D.2.3	dec 17	INC	-	<i>canceled, since D.2.1, D3.1 and D3.2 cover this content</i>
D.2.4	dec 17	WIN	-	<i>canceled, is covered in D. 5.1 (in conjunction with D 2.1)</i>
D.3.1	april+oct 2018	IHL	nov 2018	<i>Documenting the technical concepts for the complete 'new' Anne ('Anne next')</i>
D.3.2	april+oct 2018	IHL	nov 2018	

D.4.1	apr 18 (iterated)	VIR	jul 18	<i>The first prototype was the Anne we've used in the AAL project MLMW; the second was the so-called 'Anne flex' (especially made for the 'protected environment tests') ; the third ('Anne next') will be delivered in feb 19</i>
D.4.2	apr 18 (iterated)	VIR	jul 18	<i>has been published on the projects' website dec 2018</i>
D.5.1	jul 18	INR	Jan 19	<i>second version (sept 17) was accidently delivered in the MTR. The final version is included with this annual report.</i>
D.5.2	aug 17	INR	nov 18	<i>because of the new test methodology (extra protected environment test) this Deliverable has to be changed and the changes were discussed in the review meeting</i>

D. 5.3	aug 17	INR	postponed	<i>Deliverable 5.3, report of the user trials and field evaluation, can't be delivered as planned, because of the change of test phase 2 and the two remaining user field trials that have to be described in D5.3 will start in March 2019.</i>
D.6.1	aug 17 (iterated)	SIP	May 18	<i>The exploitation plan is part of D6.4 (business plan)</i>
D.6.2	aug 17 (iterated)	SIP	nov 18	<i>Report documenting a full patent search.</i>
D.6.3	apr 18 (iterated)	SIP	nov 18	<i>The website and Facebook page are online with quantitative analysis in clear metrics.</i>

D. 6.4	apr 18 (iterated)	SIP	nov 18	<i>Business plan including exploitation plan. Italian and Luxembourg Markets where not included in the version handed in to the reviewers , but has been described now and will be in the final report.</i>
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MILESTONE	DUE DATE	RESPONSIBLE PARTNER	ACHIEVEMENT DATE	REMARKS/EXPLANATIONS
M.2	NOV 2017	WIN/INC	MAR 2018	<i>END-USER REQUIREMENTS AND INITIAL FIELD TEST (FOCUS GROUPS)</i>
M.3	APR 2018	IHL	APR 2018	<i>SYSTEM DESIGN AND SPECIFICATION</i>
M.4	APR 2018	IHL/VIR/INC	APR 2018	<i>1ST FIELD TRIALS CONDUCTED AND EVALUATED. THESE ARE THE 'PROTECTED ENVIRONMENT TEST', STARTED IN APRIL 2018 AND WILL CONTINUE REPEATEDLY TILL THE END OF THE PROJECT</i> <i>THE PROTOTYPE THAT WAS BUILT BY VIR FOR THIS PROTECTED ENVIRONMENT TESTS WAS DEMONSTRATED AT THE MTR.</i>

3. SCIENTIFIC/TECHNICAL PROJECT PROGRESS TO DATE

Please check appropriate box:

The project is in line with (or) deviates from the valid description of work (version/date:)

In the case of deviation, please explain how and why:

WP1:

'The initial DOW was changed and presented at the MTR to CMU and the reviewers. The new DOW was accepted in the MTR-report. Motivation of changes are:

After intense discussion in the Focus groups with professional and family cares (as proxy to the end users), we found that the existing Anne needed to be radically adapted if we were to meet the needs as expressed in those focus groups. We thus decided to totally rebuild Anne into a new prototype: Anne Next.

We've also concluded that we wanted to investigate how people in a more progressed state of dementia react to Anne; what functions of Anne they can use and until what stage. For that we've developed a new type of testing: 'the protected environment tests' and have built a special prototype framework of Anne in which we can test – in a very rapid and flexible manner – specific functions without having to code and integrate them completely into the software (so called Anne Flex).

These changes are reflected in the WP's 2, 3, 4 and 5.

WP2:

In order to show the new flow of testing and making it easier to read, we have decided to integrate D2.2 into D2.1. The results of the Focus Groups and Protected Environment tests, described within D2.1, were transmitted directly to the technical Partners as part of our co-production process. The latter used this information to adjust/reprogram Anne. Their work is described in D3.1 System and Architecture specification and D3.2 End User Acceptance and Adaptation Specification. In order to avoid unnecessary duplication, it was decided not to write a separate D2.3 deliverables. Thus, D2.1 will need to be read in conjunction with D3.1 and D3.2. D2.4 Trials and evaluation requirements is already covered in D5.1 Field Trial Concept which also needs to be read in conjunction with D2.1.

WP3:

The detailed architecture and technical specification of the whole system with all functional and non-functional requirements and security aspects, were pushed back some months, but were ready for the MTR.

WP 4: *We have added to the Deliverable 4.1 the prototype of the Anne we have used in the 'protected environment tests', so we presented not one but two prototypes. The 'Anne next' will be rolled out in March 2019.*

WP5: *Deliverable 5.3 'report of the user trials and field evaluation' can't be delivered as planned, because of the change of test phase 2 and the two remaining user field trials that have to be described in D5.3 will start in February 2019. Note: The outcome of test phase 1 will be described in WP2.*

WP6: *In WP6 the exploitation plan is a part of the Business Plan (D6.4).*

Provide a summary of developments since the last report, including:

- The performance of the project consortium
- Technical achievements
- End-user services

The performance of the project consortium

The consortium works very well together. We really strive to evaluate to what extent “Anne” can assist and support a person with dementia, contribute to their quality of life and thereby also reduce caregiver stress and potentially delay the need for residential care. Although the original intention has been to focus only on those with Mild Cognitive Impairment, the pilot now also plans to test a prototype of Anne with those with more advanced dementia.

We stimulate each other and are open for exchanging ideas. For example, we were able to use the output of the focus groups of the end-user organizations directly for the Business Development innovation sprints. We also came up with the idea to present our ‘lessons learned’ in how to get people (users) to ‘embrace’ your project in a workshop on the AAL congress in Bilbao. A real team effort in which everyone played a role.

Technical achievements

As mentioned above we have built a new Anne: Anne next and extra special prototype framework called : Anne flex. Stability, modularity and privacy are core priorities of the technical development of Anne Next. In the MTR we demonstrated the Anne Next (in comparison with the ‘old’ Anne) and the Anne Flex. We have also explained how NLP and classification are used to develop a very flexible (but private!) system by which future prototypes of Anne should be able to extract meaning from end users, even where syntax is incorrect (as is often the case for people living with dementia).

This meant extra work, however, we have achieved good progress and were able to limit delays and stayed well on track, both in time as in budget.

End-user services

The end-user organizations, the researchers of Windesheim and the developers of Virtask and IHL (protected environment test) worked well together in the test phases:

Test phase 1: The ‘End-user requirements and initial field trial’ took place in the form of Focus Groups consisting of professional and informal carers in Luxembourg and Italy. In the Netherlands the Parabool started a Focus Group of professional carers and 12 end users used the existing Anne for several months to give the professional carers feedback.

Test phase 2: The first user field trail (milestone 4) has been replaced by ‘the protected environment tests’. These tests started in the late spring of 2018 and are on a small but regular base and will continue during the project on and off. We can include the findings into the production of the software on an ongoing basis. Additionally, we evaluate how people in a more advanced stage of dementia are able to handle IT equipment and work with Anne.

Test phase 3 and 4: The two remaining user field tests are scheduled to start in February/March 2019 as originally planned.

SIP and VIR have worked closely together in the innovation sprints for the Business Development. The Business Plan will be worked on during the whole duration of the project. We will include the end-user organizations of the different countries more. Especially their knowledge of their national markets.

All parties have worked on dissemination of the project.

How many consortium meetings were held during the period covered by this report?

By skype: 25 stakeholder meetings, 25 technical meetings, 12 Business Development meetings, occasionally meetings between research and end user organisations.

2 consortium meetings in person: in Ancona and in Bilbao

4. IMPACT AND AWARENESS ACTIVITIES

PLEASE INDICATE IF THE PROJECT WILL PRODUCE/ACHIEVE OR HAS PRODUCED/ACHIEVED ANYTHING OF SPECIAL INTEREST FOR THE AAL JP (E.G. A PROJECT EVENT, PRESS RELEASES, PUBLICATIONS, PATENTS, DEMONSTRATORS, ETC.).

Project participant responsible (indicate country)	Activity	Date	Medium and reference (press, event, newsletter, webpage, etc.)	Indicative coverage
SIP (CH)	Article in <i>Chambre d'économie publique du jura bernois</i> journal	February 2019	Journal Translated in French, German and English	More than 800 members
INR (IT), IHL(CH), SHD (LU)	Paper for presentation at the 10th International Conference on Applied Human Factors and Ergonomics (AHFE 2019): " <i>The design adaptation of the virtual assistant Anne for moderated dementia patients and their formal caregivers in protected environment tests</i> "	January 2019	Publication	All visitors to the 10th International Conference on Applied Human Factors and Ergonomics (AHFE 2019) in Washington
IHL (CH)	Project presentation during exhibition "Messe Zukunft Alter" Luzern, Switzerland	30/11-2/12/2018	Presentation in a fair	About 500 attendants
DPL (NL)	Visit of members of the municipality Raalte at de Parabool; presenting Anne and information about the project	30/11/2018	Location of the Parabool	10 visitors
SIP (CH)	Event from "Altern in Biel"	27/11/2018	Workshop/	40 people

	and pro senectute at SIP BB (ICA), presenting Anne and Workshop about dementia		Event	attended the workshop
WIN (NL)	Presentation Proceeding for conference	November 2018	Conference Goodtechs2018 Bologna	30 visitors
WIN (NL), INR (IT), SHD (LU), SIP (CH)	Proceeding for conference	November 2018	Proceedings of the 4th EAI International Conference on Smart Objects and Technologies for Social Good	600 downloads (2018)
SHD (LU)	Article in doHEEM informéeirt	September 2018	SHD Customer Newsletter	, Newsletter 10'000 copies distributed
INR (IT)	KUM Festival Ancona flyer distribution and demo of the system	19-21/10/2018	Event	about 100 visitors to the booth
INR (IT)	Presentation of Anne during tv show "Tutto Salute"	22-09-2018	TV show	about 800.000 viewers
INR (IT)	European Researchers' night 2018	28/09/2018	Event	Boost for the city community at Ancona
DPL (NL)	Facebook page: message about AAL forum 2018 Bilbao	28/09/2018	Social media, Facebook	100 visitors of the page
ALL	Embrace! How do you get elderly customers to embrace your IOT solution? Workshop at AAL Forum 2018 in Bilbao	26/09/2018	Workshop/Event	35 people attended the workshop
SIP (CH)	Facebook Page	Sept 2018	Social Media, Facebook	Visitors of the page
VIR (NL)	'open house' (2 days)	Sept/2018	Real-life event	80 people attended
VIR (NL)	Personal presentation	Sept/2018	Meeting of IT persons in hospitals	20
DPL (NL)	Dutch video about the	12/07/2018	Social Media,	Account of de

	project		Facebook	Parabool: 18 people liked it, 7 people shared it.
DPL (NL)	De Paragraaf: article with information about the project	07/06/2018	Magazine for Parabool professionals	Almost 400 readers.
VIR (NL), SIP (CH)	Official Leaflet 1.0	30/04/2018	Leaflet	1.000 leaflets have been distributed
DPL (NL)	Presentation at Cleantech Tomorrow. A business event with an extensive range of tech information and presentations.	24/04/2018	Presentation and Social Media, Facebook	More than 1500 visitors at the event.
VIR (NL)	Personal presentation	March/2018	Presentation in hospital in Amsterdam (OLVZ)	4 people
VIR (NL)	e-mail and information to GP's	Febr/2018	Introducing Anne to GP's in the Netherlands	30 GP's
VIR (NL)	Power Point presentation	Jan 2018	To be used in Focus groups	30
VIR (NL)	Short Lifestyle movie (RTL4)	31/01/2018	Movie	Proximate of 10.000 viewers (tv and on line)
DPL (NL)	Article "Steeds meer zelf doen met Anne"	30/01/2018	Article	500 visitors at the website
VIR (NL), DPL (NL)	Article „ In het huwelijk met een Avatar“	24/11/2017	Social Media, LinkedIn	Account of Ellen Steenmeijer, 2000 people read it, 10 times 'interesting' Facebook de Parabool, 50 people liked it.
VIR (NL)	Article "Virtuele Anne helpt herinneren" in a	22/11/2017	Dutch regional	Readers of the paper 80.000

	Dutch regional newspaper		Newspaper	
VIR (NL)	Article “Virtuele Anne helpt mensen met hersenletsel” in a Dutch regional newspaper	10/10/2017	Dutch regional Newspaper	Readers of the paper 80.000
IHL (CH)	Presented AAL Conference Coimbra	6-8/09/2017	Leaflet Event	Information dissemination for interested people and organizations
SIP (CH)	Started Living Well homepage	15/09/2017	Homepage	Information dissemination for project-partners, AAL and interested people and organizations
VIR (NL)	Publication in newspapers	15/08/2017	Press release	Information Dissemination for local interested people and organizations
SHD (LU)	Regular posting about Living Well	Since August 2017	SHD Facebook	Almost 3000 followers
SHD (LU)	Living well page on the SHD homepage (French and German versions)	Since August 2017 updated into a special Innovation section since September 2018	SHD website	http://www.shd.lu/online/www/content/who/2197/2202/FRE/index.html
SHD (LU)	Press release	31/08/2017	email	Main media outlets in Luxembourg (written press, radio + TV)
VIR (NL)	Article “Toekomst zorg start in Deventer” in a regional Dutch newspaper	26/07/2017	Dutch regional Newspaper	Readers of the paper 80.000
IHL (CH)	Presentation Frühjahrstagung Telemedizin Dusseldorf	10/05/2017	Event	200 Visitors of the event

	(D)			
VIR (NL)	Article “Technologie helpt bij zorg” article about a self-determined life for older people in a Dutch newspaper	20/03/2017	Daily newspaper in the Netherlands with the widest circulation	Readers of the paper 80.000

5. OTHER COMMENTS

Report below any other issue or comment (optional)

(your text here)

DO NOT FORGET TO FORWARD ALL UPDATES OF OFFICIAL PROJECT DOCUMENTS (E.G. DESCRIPTION OF WORK, CONSORTIUM AGREEMENT, ETC.) TO THE AAL CENTRAL MANAGEMENT UNIT AND NCP OF THE COORDINATOR AND PROJECT PARTNERS.

Two deliverables, D2.1 and D 5.1, have been (accidentally) sent in as drafts at our MTR and will be sent in as final versions together with this annual report, as will the complete revised version of the DoW.

6. HUMAN RESOURCES REPORT

PROJECT PERSON EFFORT DURING THE REPORTING PERIOD

PARTNER ORG. ACRONYM	Actual effort in person/ months for the reporting period	Planned effort in person/ months for the reporting period	Remarks
1 VIR	41 PM	34 PM	We had an underspend in 2017 (5) and extra work in 2018
2 WIN	5.5 PM	5 PM	
3 DPL	11 PM	12 PM	
4 INR	17PM	17PM	
5 IHL	18.4PM	14PM	Catch up from year 2017. Now in line with planning
6 SIP	13 PM	13 PM	
7 SHD	5.85 PM	6.45 PM	
TOTAL	111.75 PM	101.45 PM	

Please add more lines if required

ADDITIONAL INFORMATION

Please check appropriate box:

The financial progress of the project deviates from the partner's Grant Agreements & Work Packages plans (personal efforts, other costs, etc)?

In case of deviation, please explain how and why:

Since we've build a new Anne (Anne next) and have added an additional testing method (Protected environment test) for which we've build the Anne flex, VIR has an overspend now. They had an underspend in 2017 and they expect to spend less in 2019. IHL had an underspend in 2017 and is now in line with planning. PBL and SHD have a small underspend because the field tests resources have been moved to 2019 (were replaced by the less time consuming protected environment test). They expect to spend more in 2019. INR had to do pre-work in 2018 for the field test that will start soon in 2019 (questionnaires etc.), so they are in line with their planning. So are the other parties.

None of the parties foresee financial difficulties.

Have you encountered or do you foresee any financial difficulties for the project realisation (e.g. payments, additional costs, other)?

no

Do you want to make any other comments in relation to the financial aspects of the project?

no