

POSEIDON

PersOnalized Smart Environments to increase Inclusion of people with DOWn's syNdrome

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POSEIDON Third Dissemination Report

November 2015 - December 2016

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Project Coordinator: Karde AS, Norway



Overview

During the last 14 months of development, the POSEIDON Partners have provided dissemination information and materials to raise awareness across user groups and scientists about the possibilities of POSEIDON helping to integrate people with Down syndrome in our society. The main objective of the project is to exploit ICT as an instrument to increase the quality of life and support a more independent life for people with Down syndrome.

Dissemination activity has been via traditional and digital outlets: conferences, social media, printed journals, training events, industry seminars, POSEIDON workshops, questionnaires, one-to-one assessments, pilots etc.

In year 3, the project has focused on finalizing the prototypes in Pilot 2 and modifying these based on experiences from Pilot 2. For scientific dissemination, we have explored several potential areas of innovation that are in the scope of POSEIDON.

Activities from the partners are noted in the tables in this document. The dissemination activities are structured according to:

- Scientific publications
- Scientific presentations
- Information material and meetings
- Pilots and workshops
- Blogposts and other web activities
- Contributions to public reports

The activities are sorted on time per category.

Some papers will be presented after the end of the project.

CATEGORY: SCIENTIFIC PUBLICATIONS

DATE	ACTIVITY TYPE	CONTENT	TARGET	PARTNER
December, 2015	Paper in Ambient Intelligence and Smart Environments Series 20, IOS Press 2015.	Recent Advances in Ambient Assisted Living - Bridging Assistive Technologies, eHealth and Personalized Health Care.	International audience.	Middlesex University (Juan Carlos Augusto).
January, 2016.	Conference paper.	CapTap: Combining capacitive gesture recognition and acoustic touch detection.	International audience.	Fraunhofer (Andreas Braun, Silvia Rus).
May, 2016	Magazine article.	Regular progress report on latest developments within Poseidon Project.	18,000 members of the DSA UK.	DSA UK.
June, 2016	Short paper in IE`16.	Money Handling Training – Applications for persons with Down Syndrome.	International audience.	Eva Schulze (BIS).
July, 2016	Article in Elsevier.	Engineering context-aware systems and applications: A survey.	International audience.	Middlesex University (Juan Carlos Augusto).
December 1-3, 2016	Article in Proceedings of the Int. Conf. on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion (DSAI'16), ACM Digital Library, Vila Real, Portugal.	Co-creation of Smart Technology with (and for) People with Special Needs.	Academics (mainly Computer Science researchers).	Middlesex University (Juan Carlos Augusto, Dean Kramer)
December, 2016	To appear in Universal	The User-centred Intelligent Environments	International audience.	Middlesex University

	Access in the Information Society, Springer. 2017.	Development Process as a Guide to Co-create Smart Technology for People with Special Needs.		(Juan Carlos Augusto, D. Kramer).
December, 2016	To Appear in Proceedings WISHWell'16, London.	POSEIDON – Personalized Smart Environments to Increase Inclusion of People with Down Syndrome – Results of the first and the extended pilot study.	Academics.	BIS (Eva Schulze, Anne Engler).
December, 2016	Paper submitted to Disability and Health Journal.	Experiences on the Development and Evaluation of AAL. Competencies of people with Down syndrome and how to support them to increase their independence and autonomy.	Academics.	BIS (Eva Schulze, Anne Engler).

CATEGORY: SCIENTIFIC PRESENTATIONS

DATE	ACTIVITY TYPE	CONTENT	TARGET	PARTNER
2016-2017	MSc on computer Science	Development Framework developed in POSEIDON used to teach in Block on Ubiquitous Computing as part of "Module Advanced Topics in CS".	MSc students at Middlesex University, London.	Middlesex University (Juan Carlos Augusto).
March 3, 2016	Ruhr-Universität Bochum. Medical lecture (ground seminar).	How can a person with Down syndrome be independent? Short presentation of POSEIDON. Flyers available.	Around 150 medical students.	Arbeitskreis Down Syndrome (Deutschland).
April 20-21, 2016	Presentation at Zukunft Lebensräume 2016	Presentation and flyers at booth	Researchers, Professionals, Developers.	Fraunhofer.
April 21, 2016	Contribution AAL-Konferenz Zukunft Lebensräume.	POSEIDON – Technische Unterstützung für Menschen mit Down Syndrome: Ergebnisse der ersten Pilot-Phase.	Researchers, Professionals, Developers.	BIS (Eva Schulze).
April 22, 2016	Presentation at the University of Aachen.	Down Syndrome, the new early option of diagnostic and the consequences of this. Including a presentation about POSEIDON. Flyers and video included in the presentation.	Around 90 students in medical genetics.	Arbeitskreis Down Syndrome (Deutschland).
June 1, 2016	University of Bochum. Medical lecture (ground seminar).	Powerpoint presentation about how to become independent as a person with Down syndrome. Video of pilot 1. Flyers available.	Around 70 students.	Arbeitskreis Down Syndrome (Deutschland).
June 10, 2016	University of Aachen,	Powerpoint presentation about how to	Around 120 students.	Arbeitskreis Down

	medical genetics.	become independent as a person with Down syndrome. Video of Pilot 1. Flyers available.		Syndrome (Deutschland).
June 17, 2016	Invited keynote at Co-creation in Ambient Assisted Living Projects, part of "Made in Brunel Talks", Tower Wharf, in London.	'Technology-led and Human-centered Solutions for the Ageing Population'.	Academics.	Middlesex University (Juan Carlos Augusto)
June 23-24, 2016	Presentation at iWoar 2016.	Presentation about POSEIDON.	Researchers, Professionals, Developers.	Fraunhofer.
July 12, 2016	Invited keynote at WISHWell'16.	Workshop on Intelligent Environments Supporting Healthcare and Well-being	Academics (mainly Computer Science researchers).	BIS (Eva Schulze).
July 24-29, 2016	HCII 2016 Conference.	Presentation about POSEIDON.	Researchers, Professionals, Developers.	Fraunhofer.
August 23, 2016	Presentation Universal Design 2016. <i>Learning from the past, designing for the future.</i>	Presentation about personalisation in POSEIDON.	Around 30 people. Academics, researchers and other professionals.	Karde AS (Riitta Hellman).
September 12, 2016	Keynote at Wishwell Conference, in London.	Support for Independent Living.	Researchers, Professionals, Developers.	BIS (Eva Schulze).
September 14-16, 2016	Presentation at Intelligent Environments 2016.	Presentation about POSEIDON.	Researchers, Professionals, Developers.	Fraunhofer.

October 7, 2016	Fachhochschule Bethel, pedagogic students, in Bielefeld.	Presentation of Pilot 2 and feedbacks within a powerpoint presentation about Down syndrome. Video of Pilot 2. Trying out apps on smartphones. Flyers available.	Around 50 students.	Arbeitskreis Down Syndrome (Deutschland).
November 5, 2015	Invited keynote at the 1st International Conference on ICT for Ageing Well and e-Health (ICT4AgeingWell), Lisbon	Developing User-Centric AAL Systems.	Academics.	Middlesex University (Juan Carlos Augusto)
November 11, 2015	Presentation at "The Habilitation Conference 2015", in Oslo.	The presentation was called "ICT as a tool for more independence". Several projects conducted by Karde AS was presented, POSEIDON for about 10 minutes. Flyers available.	Habilitation conference for health professionals. Around 100 participants.	Karde AS (Gro Marit Rødevand).
December 1, 2016	Presentation at Computer Graphics Abend 2016.	System demonstration about POSEIDON.	Professionals, developers.	Fraunhofer.
December 1-3, 2016	Presentation during Int. Conf. on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion (DSAI'16), ACM Digital Library, Vila Real, Portugal.	Co-creation of Smart Technology with (and for) People with Special Needs.	Academics (mainly Computer Science researchers).	Middlesex University (Juan Carlos Augusto, Dean Kramer).

December 5, 2016	Ambient Intelligence lecture at TU Darmstadt.	Presentation about POSEIDON at lecture.	Students.	Fraunhofer.
December 9, 2015	Presentation at Berufskolleg Betel.	What is POSEIDON about? Short powerpoint presentation.	32 students studying social service.	Arbeitskreis Down Syndrome (Deutschland).

CATEGORY: INFORMATION MATERIAL AND MEETINGS

DATE	ACTIVITY TYPE	CONTENT	TARGET	PARTNER
November, 2015	Meeting with HFT.	Training provided to social care provider who support adults with Down's syndrome, where an outline of the functionality of Poseidon was provided.	National Social Care Provider, working across UK.	DSA UK.
January 6, 2016	New Year Rezeption Commissioner for the disabled (Berlin).	Individual conversations. Information about POSEIDON goals. Flyers available.	Around 60 participants of different organisations.	Arbeitskreis Down Syndrome (Deutschland).
January 16, 2016	Feedback Group in Mainz.	Testing with paper prototype. Pilot 1 – smartphone calendar and navigation. Conversations about the status of the project.	5 young persons with Down Syndrome.	Arbeitskreis Down Syndrome (Deutschland).
February, 2016	Meeting.	Meeting with Marian McGowan Corporate and Partner Manager at Middlesex University to discuss potential market for Poseidon.	Academic institution UK.	DSA UK.
February 10, 2016	Fachsymposium zum Pflegestärkungsgese II, in Bielefeld.	Information desk, face-to-face talks during breaks. Flyer and roll up available.	Around 150 participants.	Arbeitskreis Down Syndrome (Deutschland).
February 17, 2016	Advisory Committee Meeting in Darmstadt.	Presenting the POSEIDON project and get feedback from the AC.	Advisory Committee.	The consortium.

February 17, 2016	Report Advisory Committee meeting	Present the POSEIDON project to the Advisory Committee. Hence ethics, privacy and personalisation, Poseidon services, Poseidon framework and to get feedback from the AC.	The Advisory Committee.	The consortium.
February 26, 2016	Exhibition start "All you need is love" from and with people with Down syndrome in Barntrup.	Information desk. Flyers and roll up available.	Around 70 visitors.	Arbeitskreis Down Syndrome (Deutschland).
March, 2016	Questionnaire.	To assess the benefits if contextual awareness for one of the Poseidon apps sent via postal questionnaires and survey monkey.	Family and carers of people with Down syndrome.	DSA UK.
March 12, 2016	Parents meeting point in Erfurt.	Update of POSEIDON status.	22 families.	Arbeitskreis Down Syndrome (Deutschland).
March 21, 2016	World Down Syndrome Day. Different activities in Bielefeld, Mainz, Erfurt, Stuttgart, Aachen and Wurzburg.	Information desks with flyers.	Family and carers of people with Down syndrome.	Arbeitskreis Down Syndrome (Deutschland).
April, 2016	Roadshow.	To promote benefits of being involved with Poseidon UK Pilot 2.	Families living in Wales (UK).	DSA UK.
April, 2016	Conference.	Bi-yearly conference for parents and professionals. Conference stand where also Poseidon was described among other activities.	400 + participants.	NNDS (Bjørn Næss).

April 3, 2016	"Open-door-meeting" at Down Syndrome Association.	Information desk and video clips. Flyers and roll up at the stand.	60 visitors.	Arbeitskreis Down Syndrome (Deutschland).
April 7-9, 2016	The National Conference on Down syndrome in Norway, 2016.	General presentation of the POSEIDON project.	Members of the NNDS network and professionals (750 participants).	NNDS (Lars Erik Brustad).
April 7-9, 2016	The National Conference on Down syndrome in Norway, 2016.	Exhibition stand with roll up and flyers.	750 participants, both persons with Down syndrome, parents and professionals.	Karde AS.
April 29, 2016	Third conference of "Selbstlife".	Information desk, video clips and individual conversations. Flyers and roll up at the stand.	Around 200 people from all over Germany working in different organisations of people with disabilities.	Arbeitskreis Down Syndrome (Deutschland).
May 7, 2016	Infodesk.	People with Down syndrome between school and work Symposium "How to make the change", in Nurnberg. Flyers and roll up available.	Around 250 participants from all over Germany.	Arbeitskreis Down Syndrome (Deutschland).
May 8, 2016	Infodesk.	"Roots and wings. My child with a handicap is growing up", in Frankfurt. Flyers and roll up available.	Around 80 mothers.	Arbeitskreis Down Syndrome (Deutschland).

August, 2016	Information meeting.	Information meeting for representatives from the local Down syndrome associations in Norway. The theme of the meeting was organizational changes. POSEIDON was described as one of the activities that NNDS is involved in.	16 representatives for local Down syndrome associations.	NNDS (Bjørn Næss).
September, 2016	Meeting with potential software developer.	Discussion with potential commercial partner who designs apps for people with a learning disability.	Ian Storey.	DSA UK.
September 5, 2016	Presentation at a seminar for sheltered workshops and interest organization, ASVL, in Oslo.	Presentation about ICT for persons with intellectual disabilities. Flyers available.	Around 50 participants.	Karde AS.
October, 2016	Meeting with Social Care providers.	To discuss potential application of Poseidon within a supported living setting.	Scotts Project Trust.	DSA UK.
October 11, 2016	EIT Health pitch presentation.	Pitch presentation to EIT Health members.	Industry, researchers.	Fraunhofer.
October 29, 2016	Parents round table, in Mainz.	Presentation of Pilot 2 and feedback. Video of Pilot 2. Trying out apps on smartphones.	10 families.	Arbeitskreis Down Syndrome (Deutschland).
November, 2016	Exhibition.	Learning Disability Wales AGM held in Cardiff, UK information provided to audience of 200+ professionals working in learning disability services.	Health, education, social care and Third Sector providers.	DSA UK.
November, 2016	Discussion with family carer.	Family carer interested in application of Poseidon for her son.	Family carer interested in application of Poseidon	DSA UK.

			for her son.	
November, 2016	Discussion with affiliated charity working in South West England.	Gathering more information for application of Poseidon in design of new build social care provider in Bristol.	Penny Cutbill.	DSA UK.
November 3, 2016	Parents meeting, in Erfurt.	Update of POSEIDON activities. Video of Pilot 1. Flyers available.	25 families.	Arbeitskreis Down Syndrome (Deutschland).
November 17-20, 2016	General assembly for the European Down Syndrome Association in Zagreb, Croatia.	Presentation of POSEIDONs ECO-system.	Members of the association, families and professionals.	NNDS (Lars Erik Brustad).
November 22, 2016	Family Sunday, in Bielefeld.	PowerPoint with status of the project. Information desk. Individual conversations. Flyers available.	31 families.	Arbeitskreis Down Syndrome (Deutschland).

CATEGORY: PILOTS AND WORKSHOPS

DATE	ACTIVITY TYPE	CONTENT	TARGET	PARTNER
February 23, 2016	Parents round table in Bielefeld.	Update of the project. Flyers available.	15 families.	Arbeitskreis Down Syndrome (Deutschland).
March 3, 2016	Workshop: Collating primary and secondary users ideas for home navigation. From people with Down syndrome.	Two questionnaires were developed and feedback were given.	Young people with Down syndrome and their carers.	DSA with Unai Alegre.
March 17, 2016	Matchmaking event at EIT Health & Fraunhofer.	Workshop.	Industry, Professionals, Researchers	Fraunhofer.
May, 2016	Pilot 2 in the UK.	Learning and testing the apps.	3 families.	DSA.
May 20, 2016	Parents round table, in Mainz.	Update and outlook to Pilot 2. Trying out apps on the smartphone.	14 families.	Arbeitskreis Down Syndrome (Deutschland).
June 4, 2016	Feedback group, in Mainz.	Preparation for Pilot 2. Trying out apps on the smartphone.	4 young people with Down syndrome.	Arbeitskreis Down Syndrome (Deutschland).
August 7, 2016	Parents round table, in Bielefeld.	Presentation of Pilot 2 and feedback. Video. Trying out the apps on smartphones.	27 families.	Arbeitskreis Down Syndrome

				(Deutschland).
September, 2016	Dissemination conference.	Bringing together of all Poseidon partners and new countries not currently included on project which were : France, Spain and European Down's syndrome Association.	Trisomie 21 Ardennes DSA Spain, EDSA.	DSA UK.
September 4, 2016	"Family Sunday", in Bielefeld.	Presentation of Pilot 2 and feedback. Video of Pilot 2. Trying out the apps on smartphones.	30 families.	Arbeitskreis Down Syndrome (Deutschland).
September 13, 2016	Parents round table, in Erfurt.	Presentation of Pilot 2 and feedback. Video of Pilot 2. Trying out the apps on smartphones.	8 families.	Arbeitskreis Down Syndrome (Deutschland).
October 23-25, 2016	Workshop in Teddington.	The main goals of the workshop was to involve other European countries and to convey the ideas of the POSEIDON project to other potential partners and to present achievements to date and gain feedback on ideas and prototypes.	Four adults with Down syndrome and their families. Two representatives from the European Down Syndrome Association.	DSA, Karde AS.
November 8, 2016	Parents round table, in Bielefeld.	Presentation of Pilot 2 and feedback. Video of Pilot 2. Trying out apps on smartphones.	16 families.	Arbeitskreis Down Syndrome (Deutschland).
November 29, 2015	Extended pilot in Norway.	Testing adjustments of the POSEIDON services, functionality and user interface. (Web for carers, mobile app, home navigation).	Young people with Down syndrome and their carers.	Karde AS.

December 3, 2015	POSEIDON pilot in Torquay.	Testing interactive table and the navigation app.	Our Voice, Our Choice South West, Down2Earth.	DSA.
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CATEGORY: BLOGPOSTS AND OTHER WEB ACTIVITIES

DATE	ACTIVITY TYPE	CONTENT	TARGET	PARTNER
December, 2015	DSA Blog.	Update on project sent to all DSA UK social media subscribers.	Families of children and adults with Down syndrome living in the UK	DSA UK.
December 1, 2015	POSEIDON Blog.	Post about extended pilot in Norway.	Families of children and adults with Down syndrome.	Karde AS.
December 3, 2015	POSEIDON Blog.	Post about the pilot in Torquay.	Families of children and adults with Down syndrome.	Karde AS.
December 3, 2015	DSA Blog.	Post about the pilot in Torquay.	Families of children and adults with Down syndrome living in the UK.	DSA UK.
December 7, 2015	DSA News Post.	Post on recruiting participants to "Willingness to pay" -survey for POSEIDON.	Families of children and adults with Down syndrome living in the UK.	DSA UK.
February, 2016	Website update.	New items on developments within POSEIDON.	Family and carers of people with Down syndrome and the professionals who work with them.	DSA UK

March 2, 2016	DSA News Post.	Post on recruiting participants to fill out questionnaire for the POSEIDON project.	Families of children and adults with Down syndrome living in the UK.	DSA UK.
March 4, 2016	POSEIDON Blog.	Post about the release of “personalisation symbols” for the POSEIDON app.	Families of children and adults with Down syndrome.	Karde AS.
March 5, 2016	POSEIDON Blog.	Post about collating ideas from people with Down syndrome.	Families of children and adults with Down syndrome.	Karde AS.
March 9, 2016	POSEIDON Blog.	Update on project and about the meeting with the Advisory Committee.	Families of children and adults with Down syndrome.	Karde AS.
March 19, 2016	POSEIDON Blog.	Video post from POSEIDON workshops.	Families of children and adults with Down syndrome.	Karde AS.
April 12, 2016	POSEIDON Blog.	Post about POSEIDON activities at the Norwegian Conference for Down syndrome in Oslo.	Families of children and adults with Down syndrome.	Karde AS.
May 24, 2016	POSEIDON Blog.	Post from Pilot 2 in the UK.	Families of children and adults with Down syndrome.	Karde AS.
June, 2016	DSA Blog.	Update on project sent to all DSA UK social media	Families of children and adults with Down syndrome	DSA UK.

		subscribers.	living in the UK.	
June 3, 2016	POSEIDON Blog.	Post on release of accepted papers for POSEIDON partners.	Families of children and adults with Down syndrome.	Karde AS.
August 23, 2016	POSEIDON Blog.	Post on Kardes presentation about POSEIDON at Universal Design 2016 in York.	Families of children and adults with Down syndrome.	Karde AS.
September 6, 2016	POSEIDON Blog.	Post about Pilot 2 in Germany.	Families of children and adults with Down syndrome.	Karde AS.
September 8, 2016	POSEIDON Blog.	Post about Pilot 2 in Norway that was conducted in May and June.	Families of children and adults with Down syndrome.	Karde AS.
October 3, 2016	POSEIDON Blog.	Post on the workshop that was held in Teddington the end of October.	Families of children and adults with Down syndrome.	Karde AS.

CATEGORY: CONTRIBUTIONS TO PUBLIC REPORTS

DATE	ACTIVITY TYPE	CONTENT	TARGET	PARTNER
October, 2016	<p>In October 2016, the Committee for Fundamental Rights for People with Intellectual Disabilities, on behalf of the Ministry of Children and Equality, published an Official Norwegian Report NOU 2017:17 On equal terms (in Norwegian: "På lik linje", the report is only available in Norwegian).</p> <p>Karde contributed with interviews with the Committee.</p>	<p>The committee proposes eight effort to realize the fundamental rights of individuals with intellectual disabilities. The efforts shall ensure that human rights are safeguarded and political objectives realized for people with intellectual disabilities, on an equal basis with others. The eight efforts shall ensure: 1) self-determination and legal protection of individual rights, 2) inclusive and equal education, 3) work for all, 4) good health and care, 5) own home, 6) expertise and knowledge, 7) coordinated services, and 8) targeted management.</p> <p>(https://www.regjeringen.no/no/dokumenter/nou-2016-17/id2513222/)</p>	Norwegian audience.	Karde AS.

June, 2016	<p>In June 2016, the Norwegian National Centre for eHealth Research, on behalf of the Norwegian Directorate of eHealth, published a survey on existing welfare technology pilots in the Nordic countries for children and young people with disabilities (title in Norwegian: “Kunnskapsoppsummering: Eksisterende velferdsteknologiutprøvinger i Norden for barn og unge med funksjonsnedsettelse”, the report is only available in Norwegian).</p> <p>14 pilots are listed, two of them are from Karde and one of them is POSEIDON.</p>	<p>Public Welfare Technology Report</p> <p>http://ehealthresearch.no/files/documents/Prosjektrapporter/NSE-rapport_2016-02_Kunnskapsoppsummering-eksisterende_vf-teknologiutprovinger_i_norden_for_barn_og_unge_med_funksjonsnedsettelse.pdf</p>	Norwegian audience.	Karde AS.
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