



[Website](#)

- Criteria for open platform in AHA and AAL domains which HAAL complies with:
- Open Source
 - Open Standards Based
 - Shared Common Information Models
 - Federatable
 - Vendor and Technology Neutral
 - Supports Open Data
 - Open APIs
 - Open Usage

AHA Experts' Voices: Ms Sara Casaccia & Mr Henk...

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Business Overview

HAAL (HeAlthy Ageing eco-system for peopLe with dementia) is a collaborative project involving Dutch and international partners within the Active and Assisted Living programme (AAL). The aim is to support people with dementia, their loved ones and care professionals during the different stages of dementia by deploying multiple care and well-being technologies in an AAL bundle.

The goal of the HAAL platform is to integrate a specific set of products and services developed in past projects, into a system able to target and evolve with people with dementia (PWD) through the whole course of the disease. The Netherlands, Taiwan, and Italy combine their strength in co-creation, evaluation and sharing their experiences supporting dementia care by state-of-the-art AAL bundles. Within HAAL, every country will put forward several AAL solutions that have been proven effective within existing eco-systems or AAL projects.

A pre-requisite is that these AAL solutions are interoperable. Every ecosystem will adopt at least one successful solution from another country, resulting in a package of AAL solutions per country supported by a HAAL cloud-based system and mobile application.

Mission & Goals



Across Europe and beyond, various eco-systems support dementia-friendly municipalities with AAL services to empower clients, informal carers, and care professionals. With the HAAL project, The Netherlands, Taiwan, Denmark, and Austria combine their strengths and share their experiences in supporting dementia care by state-of-the-art AAL bundles. Within HAAL, every country will put forward 3 AAL solutions that have been proven effective within existing eco-systems. A pre-requisite is that these AAL solutions are interoperable (e.g, via UniversAAL).

Every eco-system will adopt at least one successful solution from another country that will fit the ecosystem's demand, resulting in a package of 6 AAL (care technologies; social platforms, etc.) solutions per country. The AAL solutions should cover the various stages of dementia care, from cognitive problems to MCI to late stages of dementia. In addition, the AAL solutions should support both clients as well as (in)formal carers. AAL solutions should be a best practice with a relatively high TRL (6-9), could be marketed by a scale-up, should be open for integration, high potential, etc. In The Netherlands, the municipality of Helmond will further scale up the Compaan (tablet with social services), Sensara (lifestyle monitoring) and Tinybots (Medicine dispenser) within their eco-system to strengthen a dementia-friendly municipality. The bundle of Dutch AAL solutions will be strengthened by a minimum of one complementary and context valuable AAL solution from the other 3 eco-systems (Taipei, Aarhus & Vienna). In Taiwan, the municipality of Taipei will provide 2 of the 3 solutions from Taiwan (if people agree). The first one is "AIoT senior care bedroom".

The second one is "WhizToys for combined physical activity and cognitive training". Both solutions are already deployed in Banciao veteran dementia nursing home for field trial. In addition, National Cheng Kung University can provide physical rehabilitation & training for people with Met opmerkingen [NHH1]: The Taiwanese consortium will consist of AAL partners receiving funding, but also partners that receive funding outside the AAL scheme.

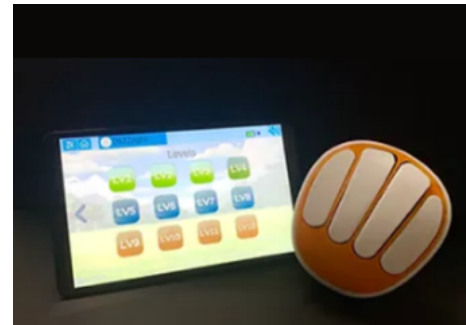
[Learn more about HAAL platform](#)

Technical Applications



WhizToys

WhizToys is composed of motion-sensing floor tiles. Older adults will participate in different cognitive games, such as music, numbers, colors, spelling, etc., simply by walking and stepping on WhizToys tiles.



Tipr

Tipr, an interesting exergame for our fingers and brain. The force sensors record data used to generate different games and evaluate hand functions. Playing with Tipr can improve our hand dexterity, cognitive function, and quality of life!



WhizPad

Motion-sensing mattress

- has 5*6 sensing areas
- sleep posture detection
- three steps leave bed alert

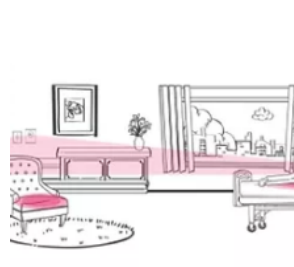
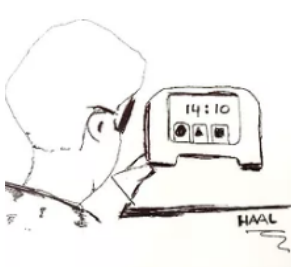
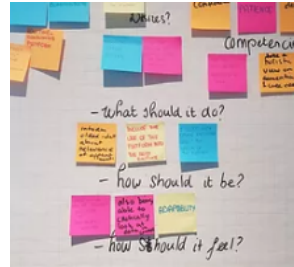
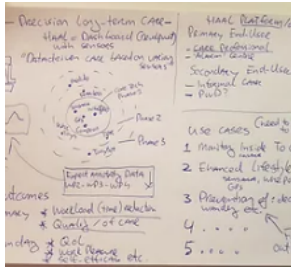
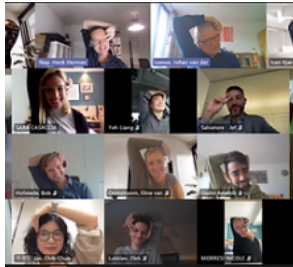
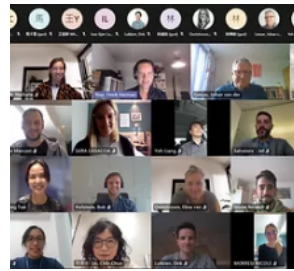


WhizTouchGame

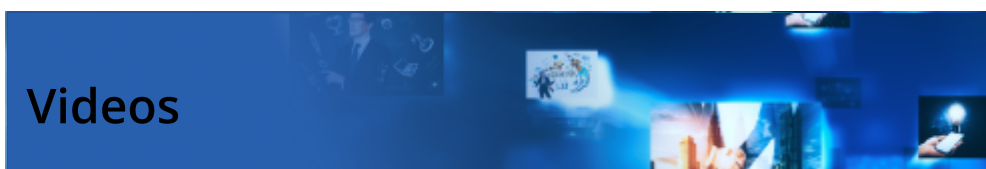
Use visual and sound to guide the user to play the game by pressing. Training and game methods are not limited and can be set according to the player's situation.

[Learn more about HAAL applications](#)

Gallery



Videos



2019 12 20 阿嬤玩採樟榔



2020 07 21 大愛新聞English subti...



AR mPETS



2020 11 27 WhizTouch video

