



DR 1.6: Reusable design specifications and ontology for self-management support

PAL consortium

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The PAL project applied the Socio-Cognitive Engineering (SCE) methodology for the human-centered design and test of the Personal Assistant for a healthy Lifestyle (PAL) project. SCE involves iterative design-test cycles, with involvement of all stakeholders (particularly the children with T1DM, their parents and Health-Care Professionals). The design rationale is explicitly captured to advance (situated) theory construction and re-usability. The development process consists of obtaining a sound *foundation*, creating a *specification* with its design rationale and conducting appropriate complementary *evaluations*, and underpinning these three components with understandable *ontologies*. The SCE Tool records the development outcomes for maintenance and sharing. PAL deliverable DR 1.6 provides the corresponding SCE-outcomes, to be accessed via: <https://confluence.ewi.tudelft.nl/display/PALsCE/Home+page+PAL+Socio-Cognitive+Engineering>

Confluence


PAL SCE

Home page PAL Socio-Cognitive Engineering

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This **Socio-Cognitive Engineering (SCE)** space provides an overview of the *foundation, specification* and *evaluation* of the Personal Assistant for a healthy Lifestyle (PAL), i.e. the "design rationale", which has been developed in the PAL-project (www.pal4u.eu).

The project **aim** was to develop a system that will assist the child, health-care professional and parent to advance the self-management of children with type 1 diabetes aged 7 – 14, so that an adequate shared patient-caregiver responsibility for child's diabetes regimen is established before adolescence.

This 4 year project involved the *research partners* TNO (NL), DFKI (GER), FCSR (IT), Imperial (UK) and Delft University of Technology (NL), the *hospitals* Gelderse Vallei and Meander Medical Center (NL), the *Diabetics Associations* of Netherlands and Italy, and *SME's* Mixel (IT) and Produxi (NL).

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