

eVIDA

Information for European partners

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eVIDA Research group

eVIDA Research Group, a research group within the University of Deusto Engineering Faculty, is an experienced, dynamic and diverse team of telecommunications, electronics and software engineers, physicists, mathematicians and psychologists. Founded in 2002, the group is committed to research on and development of ICT-based tools, systems and interventions for psychological, social and physical health. Over the last decade, eVIDA have established close working relationships with key local stakeholders including hospitals, charities, other research groups and ICT companies.

eVIDA conduct applied research in two main areas. In the field of ICTs for Well-Being, eVIDA research, design, develop and test tools and systems which enable disabled people and the elderly to live more independent lives. eVIDA is currently involved in creating apps and devices for informal learning and informal learning follow-up services, programmes for person-centred care, and various tele-medicine and tele-monitoring systems. Work in this area has included applied research aimed at assisting groups such as people with intellectual disabilities, people with autism, people with visual impairments, people with hearing impairments, and people with multiple sclerosis. In the field of health, eVIDA specialise in creating diagnostic tools and systems and interventions for people with health problems such as skin and lung cancer, laryngectomy, epilepsy, migraines, dyslexia and bed sores. This work is based on long term research in the processing of: speech,

ECG, EMG and EEG signals, and MRI (colon and lung cancer, articulatory description...), neuro fMRI, dermoscopy, pressure ulcers and stroboscopy images.

eVIDA group has extensive previous experience in both national and international projects. The results of its research and its application have been published in over sixty scientific articles in international journals and books and have been presented over than 150 international scientific conferences. eVIDA has been awarded with the University of Deusto-Banco Santander Research Award in 2007, the ONCE Euskadi-Solidarios Research Award in 2007 and Best Paper Award in the CGAMES'09 International Conference. The lead researcher and members of the research team form the eVIDA research team, recognized by the Basque Government since 2010. This team is part of various research networks such as the European Network of Livings Labs (ENoLL) under the name "Life Living Lab (L3Lab)" and the "Red de Espacios Sociales de Innovación (ESdI)" under the name "LS2TECH".