EUVETUS: to Support Patient-Health Care System Relationship of the Elderly and Impaired at Home

Regional Program STIC-AmSud2023 Project (execution 2024-2025)

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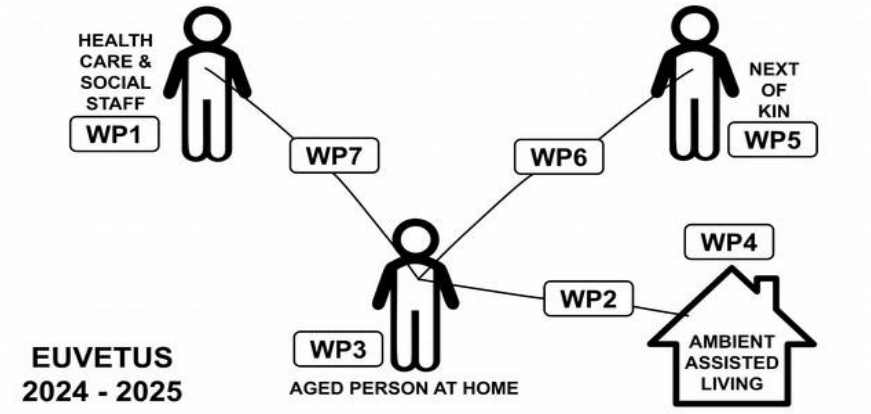
The EUVETUS international group is concerned about the ways technology can help to ease isolated lives, to reduce hazards and to better human relationships, among them the physician-patient relationship. Highly interdisciplinary, our group is active in cutting edge technology research and is prepared to develop adapted techniques to be implemented in coming decades to address the living conditions of populations in old age. The project goals are (WP work package):

● Develop original technologies to be used during the extended lives of persons living in institutions or at home

● Address the dichotomy between wearables sensors, which are generally resisted by aged people, and ambient sensors, which are technically challenging. Both complementary approaches used for promoting health and remote care while respecting the autonomy of older people.

● Enhance the ability to maintain independence at home for a longer time and reduce or minimize reliance on caregivers; alleviate the challenges faced by individuals in these circumstances.

● Tackle ethical considerations and data privacy issues related to wearables and within the ambient assisted living scheme.



Abstract Present epidemiology of the world population includes the increase of large shares of aged persons living in decreasing conditions of autonomy. A major challenge of our modern societies is to take care of persons with a wide variety of disabilities in a growing number of institutions or at home. Persons are also concerned by the way their lives will come to an end, which is a very important aspect of our changing global approach to life. Health systems are not prepared neither staff wise nor economically nor from the public policies point of view, to cope with large populations of aged persons with the present personnel and budgets. Our group has reflected on this global problem and has looked into possible ways technology can help to ease isolated lives, to reduce hazards and to better human relationships, among them the physician-patient relationship. Highly interdisciplinary, our group is active in cutting edge technology research and is prepared to develop adapted techniques to be implemented in coming decades to address the living conditions of populations in old age.