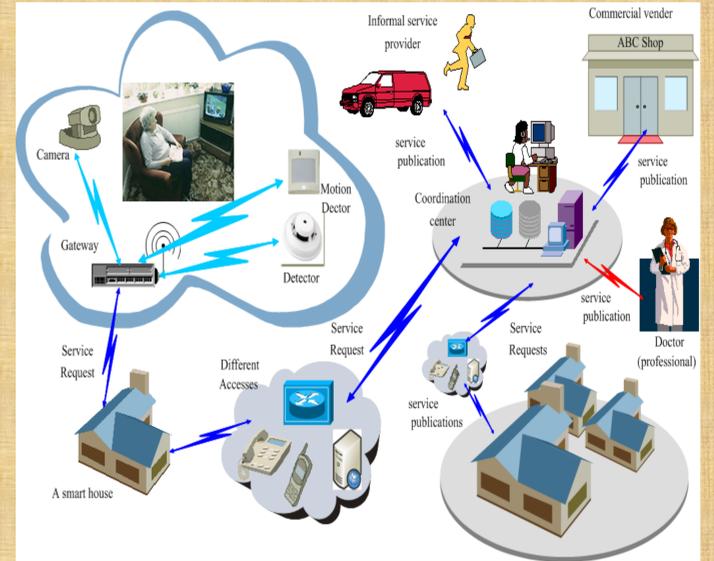


SELSERV

Platform for smarter health organization

Description

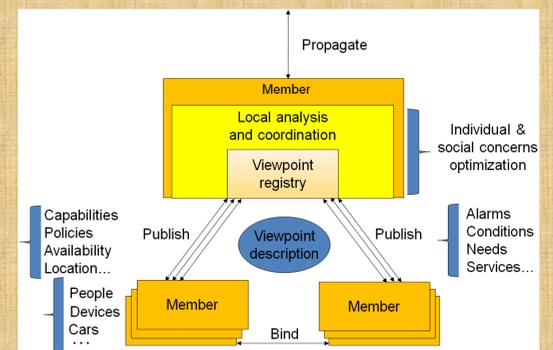
Diabetes is one of major public health problems in Morocco, which cause early mortality of patients and increase healthcare costs. Therefore, this disease requires special improvement of healthcare organizations and services offered to the population so as to enhance the comfort of patients and reduce the treatment costs. These patients are suffering from current healthcare services since it is based on manual monitoring and heavy control processes that prevent most of them to follow daily control and maintain an up-to-date state of the progress of their disease. Therefore, software tools for good disease control and self-monitoring of blood glucose and dietary/activities measures are required. SELSERV proposes a platform that allow continuous monitoring of patient care by combining complex event processing (CEP) and service-oriented communities (SOC) techniques.



Objectives

The aim of SELSERV is to develop a novel software platform for the definition of diabetes telecare services. Main objectives are:

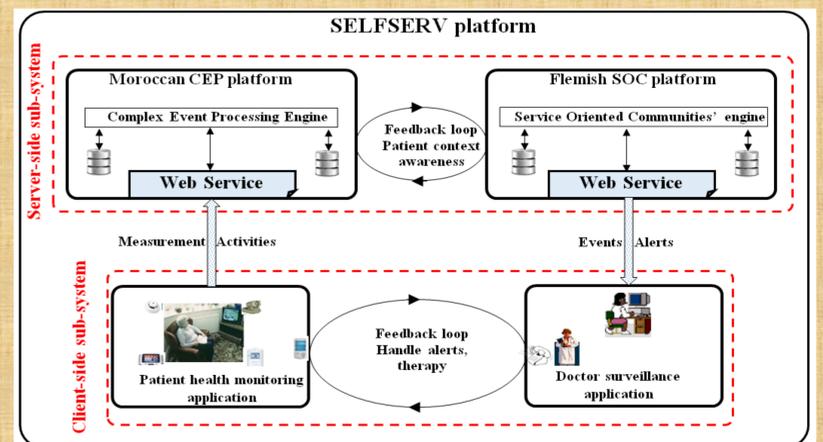
- **Objective 1:** develop a “self-service” model offered by the service-oriented communities.
- **Objective 2:** develop adaptive control features offered by complex event processing.
- **Objective 3:** set-up small-scale real-testing scenarios to assess its efficiency and cost-effectiveness.



Outcomes

SELSERV intends to demonstrate the potential of socio-technical approaches to the organization of ambient assistance services. This will be achieved by developing a software tool for the management of an “ecosystem of care” based on telecare services. The main outcome of the project is a web service middleware structured into two levels:

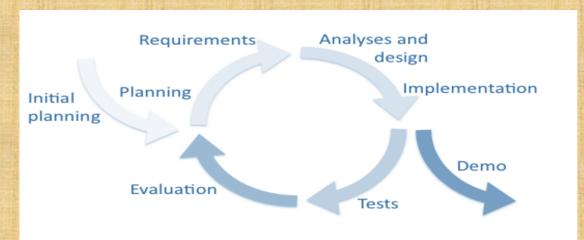
- **Outcome 1:** monitoring people’s health in their houses.
- **Outcome 2:** a cloud of informal carers consisting of relatives, neighbors, and volunteers.



Overall strategy

The project is divided into three main tasks:

- **Task 1:** specification and coding of interfaces between the CEP and SoC platforms.
- **Task 2:** identification and coding of target diabetes telecare scenarios
- **Task 3:** small-scale deployment and testing



Partners



Contacts