

What is?

HeartCycle is a European integrated project (IP), part of the sphere of 'Personalised Health Systems' of the 7th Marco Program for research, of the European Commission. The HeartCycle consortium is coordinated by Philips (a leader in electronic care systems) and includes experts in textiles, ICT, and support systems for user decision and interaction.

Objectives

The objective of the HeartCycle project is to extend the concept of the management system for chronic disease developed in the MyHeart project, and apply it to specific groups of patients with the emphasis on improving the adherence of the patient to the medication and change in lifestyle.

For who?

- An internal loop, the patient's loop, which interacts directly with him to provide daily treatment. Amongst other things it will show the progress in health, including the adherence to and efficacy of the treatment. If the patient is motivated, the degree of compliance on his part (ie strict adherence to the treatment) will go up and his health will improve. This loop is connected to the information systems in the relevant hospital to guarantee top personalised care.
- An external loop, that of the professional, which involves the medical staff and which controls the cycle of patient care. This loop allows the healthcare professionals to monitor the condition of each patient as well as evaluate the response to the therapy prescribed, in such a way as to create personalised healthcare plans and detect possible deterioration in health (heart problems, for example) which may require immediate medical intervention.

ITACA-TSB in HeartCycle

ITACA takes part in the project HeartCycle through the following tasks:

- Leadership in the coordination between the scientific part (the partners with medical profile and those with a more academic profile) and the technological part (those partners who develop and set up the use cases on the project context)
- Definition and obtaining of the required permissions for executing clinical studies which allow validating the developed services
- Leadership in the definition and development of the services focus on professional users (doctors, nurses, welfare agents, etc) in each one of the three main use cases.
- Coordination of the technical integration between the patients oriented services and the professional oriented services, by means of the definition and development of the communication interfaces between both of them.

www.heartcycle.eu