

Innovation Plans SERGAS Hospital 2050 and Innova Saúde



April 2012

Plans definition: Main features

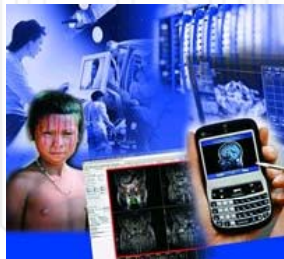
Main features of the plans



- The Plans are established through an agreement with the Ministry of Economy and Competitiveness in which SERGAS is the beneficiary of a public grant provided by the FEDER funds in the frame of the R&D Operational Plan to benefit companies, Technological fund 2007-2013.
- All of them are health innovation plans with private companies involved in their development, through the use of the Public Innovative Purchase as a R&D bolstering tool for the companies and in the frame of the open innovation model promoted by SERGAS.
- Professionals and patients are meant to be the stars, participating in the design of the plans, their development and their evaluation.

Innova Saúde objectives

Innova Saúde objectives



- **PATIENT-CENTRED Healthcare**

Developing new offshore tools (telehealth, telemonitoring, 2.0 websites for patients,...) in order to avoid unnecessary admissions and overwhelming of hospital services and at the same time favour a fast communication and access.

- **SAFE AND FAST Healthcare**

Reduce professional human mistakes as much as possible by developing intelligent information and communication systems.

- **INTELLIGENT Healthcare**

Change healthcare structure in order to ensure an optimal delivery of quality and safe services.

H2050 Objectives



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The hospital of the future must be a safe hospital. Patient's safety, key point of the healthcare quality, has become very relevant over the last years for patients and their families, who desire to feel safe and confident with the health cares received, and for managers and professionals, who want to offer a safe, effective and efficient assistance.

The hospital of the future has to be a green hospital, which includes programs of efficient use of water and energy, integral management of solid and liquid waste as well as a correct management of chemical substances among other, apart from the fulfillment of the current environmental and health regulation

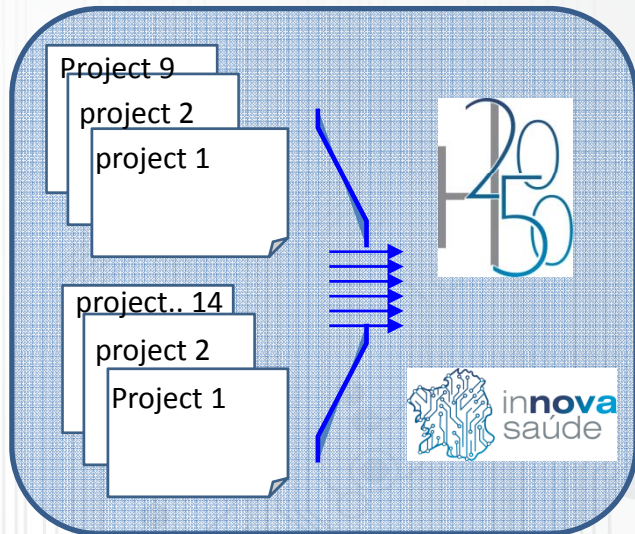
The hospital of the future has to be a sustainable and efficient hospital. It has to be integrated into the environment it is located, that feeds and supplies it, always taking into account these relationships as if it were an ecosystem.

Finally, the hospital of the future has to be an open hospital to the rational use and evaluator of new technologies. It has to be a meeting point, an innovation space where all actors converge around users

Plan definition

2011

2015



Indicators

- Plans must provide :
 - ✓ A solution to a care problem.
 - ✓ Provide a product or a new care model applicable and exploitable.
- **All the management units of the healthcare centers are meant to take part in the plans.**

- Expected investment in the Public Innovative Purchase: 19.368.136 €
- Participant companies: 55
- Expected employments created (directly and indirectly): 1.250
- Executed innovation plans: 23.

Project details



1. **Mobile diagnostic-therapeutic healthcare point.**
2. **Medical imaging centre**
3. **Hospital at home**
4. **Multi-specialty telecare products**
5. **Digital home. accessibility to healthcare services**
6. **Patient expert in 2.0. innovation and active information for patients**
7. **Smart multilevel alert system**
8. **Advanced medical simulation centre**
9. **Computer-aided diagnosis systems**
10. **Professional 3.0**
11. **Innovation space for healthcare services**
12. **Integrated information and management system for clinical end epidemiological data for research**
13. **Transfer of the results of research and innovative healthcare projects**
14. **integrated system for digitalisation, indexation, custody and management of clinical information**



1. **Smart management system in emergency services**
2. **Integrated traceability system for patients and resources**
3. **Hospital robotics**
4. **Self-sustainable hospital**
5. **New his 2050. integrated patient management system**
6. **Smart ward**
7. **Experimental hospitalization h2050**
8. **Secure digital hospital**
9. **Preservation of clinical information**