



Scenario, Enabling Technologies, Shared Enablers

Suitable scenarios should have the following characteristics:

- A set of **networked hospitals covering different areas** of a region
- Coexistence of **rural areas and metropolitan areas**
- Possibility of **sharing medical facilities** and health professionals **time and expertise**
- Test scenario where **most citizens may have a broadband connection**
- Ecosystem of **ICT companies and research centers (BIOTech+ICT)**

Use case will require, among others, **technology supporting**:

- **Real-time broadband communications** concerned about **privacy, safety and confidentiality**
- Storage and handling of **multimedia content**
- **Identity** management and **access control**
- Personalized **specific medical devices** aware of **use contexts** and **user preferences**
- **Multimodal-multilingual** interactive user interfaces
- Information codifying and exchanging **standards** (both medical and technological)

Enablers related with **human interaction, storage and handling of multimedia content** and **real-time broadband communications** will be shared with other use cases, but **could not be proven in a better environment** that the e-Health environment as health and wellbeing is, probably, the first global need.





Large Scale Testing Needs, eHealth Ecosystem

Necessary and sufficient conditions of Large Scale Testing Scenarios:

- A set of **connected reference hospitals**, rural hospitals and primary health centers, where telemedicine provides a sustainable approach to medical diagnosis and treatment
- Hospitals where health specialists are continuously connected to patients and other health professionals through **new generation interfaces to share resources and knowledge**
- Primary urban and rural health centers where information systems allow a **perfect communication with patients, no matter age, language or culture**
- Information systems **highly standardized, integrated with other hospitals** at national and European levels
- Involved Health and ICT professionals not only aware of **international standardization efforts** but active participants in standardization groups so advances quickly reach society

The ecosystem:

- Public and private **infrastructures** with potential to globally connect citizens with health professionals (at home, at work...)
- **Private companies** capable of giving health services not only at health centers, specially those services related to highly prevalent chronic diseases or well-being.
- **Support of public authorities** capable of building or modifying policies, convinced of the benefits of e-Health, conscious that it is the only way of achieving long-term sustainability of Public Health Systems and aimed to foster the e-Health realization.



Role of Asturias in the FI-PPP



The Principality of Asturias:

- Has a set of hospitals connected by a last generation broadband network
- Running projects related to teledermatology/teleophthalmology at rural areas
- The HUCA, a paperless hospital with IT systems among the most moderns of Europe
- Public and private broadband facilities to connect citizens with health centers and hospitals
- A set of private companies and tech. centers researching and investing on e-Health solutions
- Health professionals very active at different standardization levels (i.e. Asturias is to define the Electronic Clinical History at national level)

We can also contribute the commitment of the Government of the Principality of Asturias who, according to the Asturias Health Services Modernization plan (EDESIS), will invest in the convergence of research on Biosanitary, Health and ICT disciplines, the development of eHealth and the acquisition of hi-tech equipment of proved efficacy to treat prevalent diseases.

In summary,

Asturias can offer Infrastructures, Experience and Commitment

