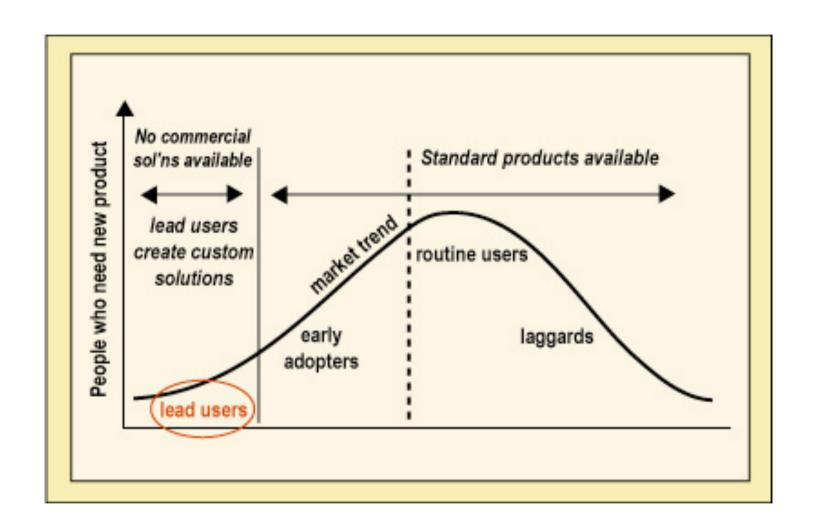
Social Spaces for Research and Innovation as organizations for innovation based on user engagement



- Introduction
- Social Spaces for Research and Innovation (SSRI)
- CISVI Project
- Examples of challenges addressed by SSRI
- Conclusions

SSRI: Introduction



Democratizing Innovation. Erich Von Hippel. 2005

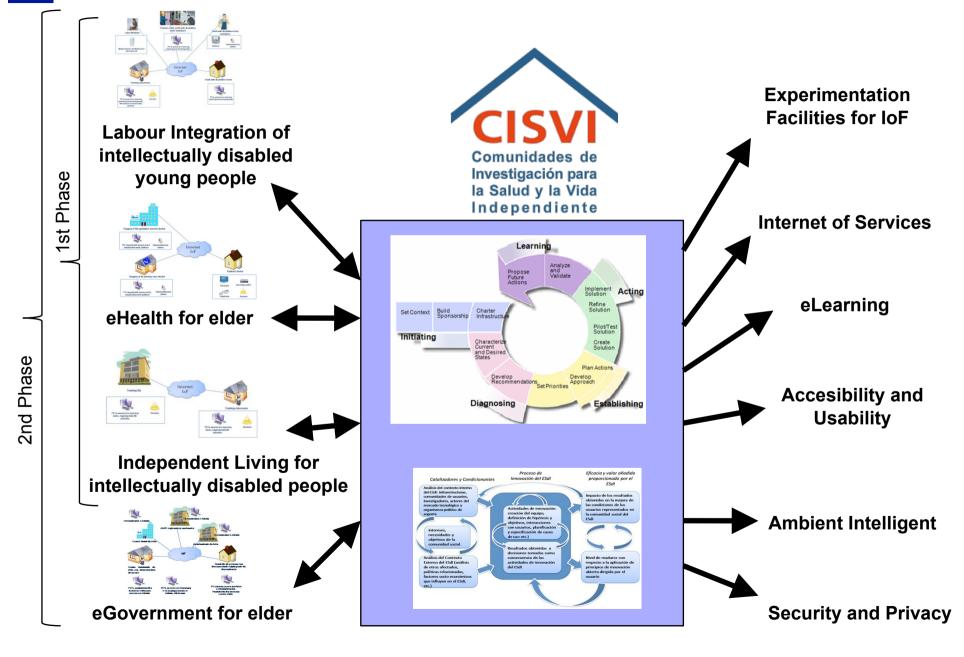


Social Spaces For Research and Innovation

- Research and innovation infrastructure
- Considering the five pillars of innovation processes
- Driven by end-users restrictions, needs and strategic objectives
- End-users are actively implied in all the stages of the innovation chain, including the co-creation of new products and services
- Sustainable beyond the funding of a specific R&D project

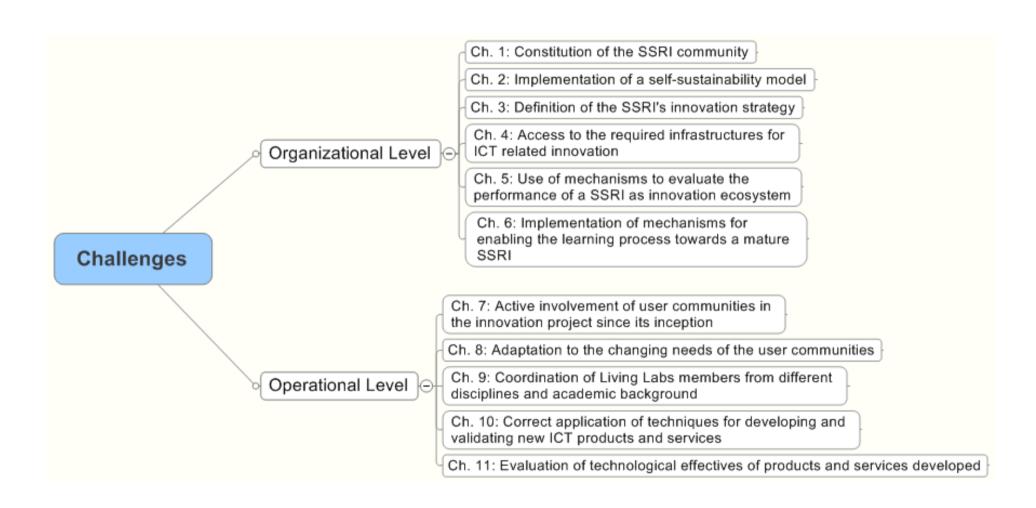


SSRI: CISVI Project





SSRI: Examples of challenges to be addressed





SSRI: Constitution of the SSRI Community

Aquí poner el vídeo de ABLA



Technological Providers

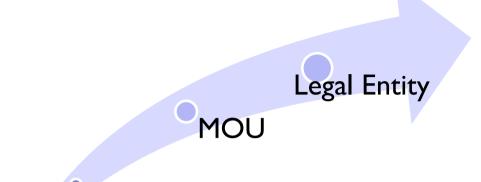
Aquí poner un foto de EXPO Zaragoza

Aquí poner el vídeo de discusión de la arquitectura

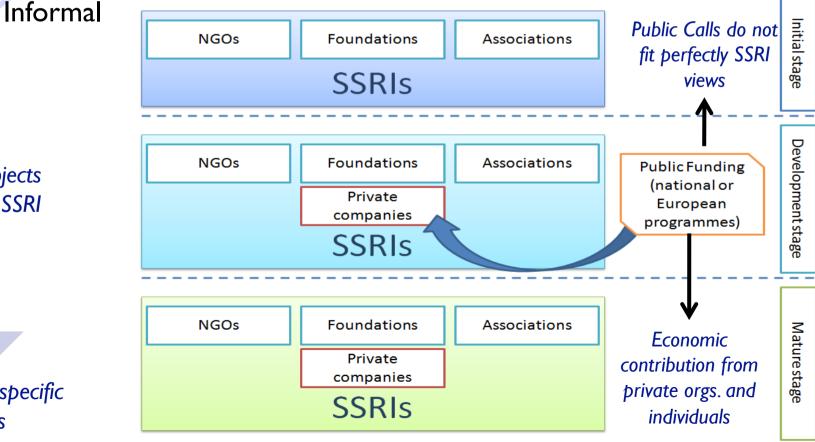
End-Users Organizations

Research Organizations Public Administrations

SSRI: Self-sustainability model



- Decission Making Process
- Intellectual Property Rights
- Openness to other participants
- Management of resources
- Management of ethics and legal aspects

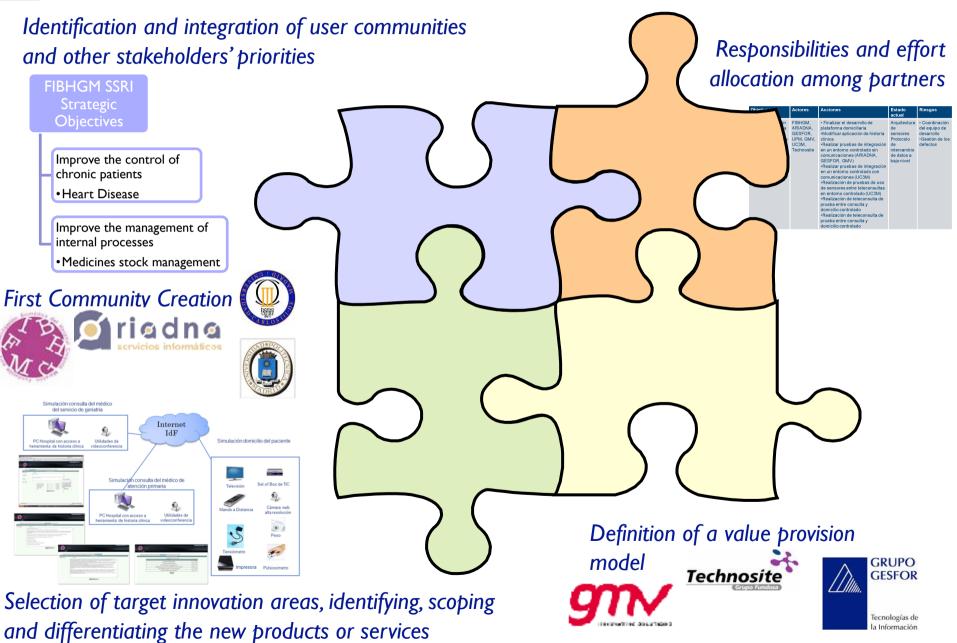


Funded Projects Creating a SSRI

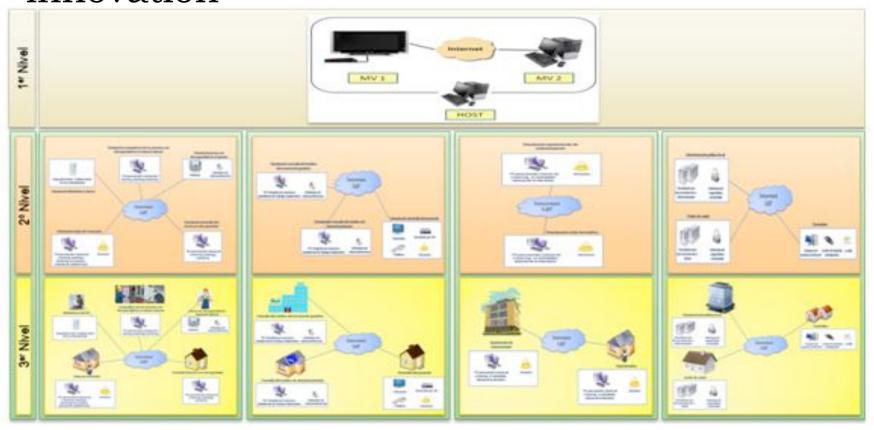
SSRI funding specific projects



SSRI: Shared innovation strategy



SSRI: Access to infrastructures for ICT related innovation



Controlled environment available and regularly used by several projects

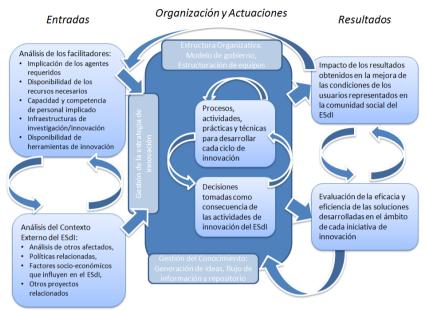


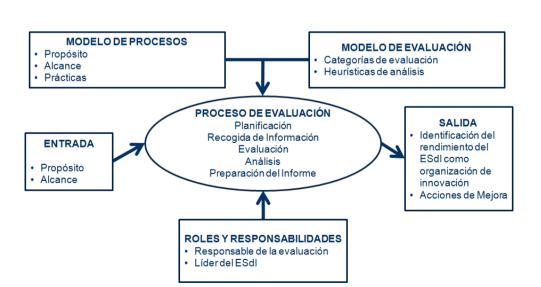
Aquí poner el vídeo de una prueba domiciliaria

Stable network of uncontrolled environments



SSRI: Evaluation of the Innovation Organization





Aquí poner el vídeo de la evaluación del ESdI de ATADES

Informe de Evaluación del ESdI de Zaragoza (Octubre 2009 - Marzo 2010)

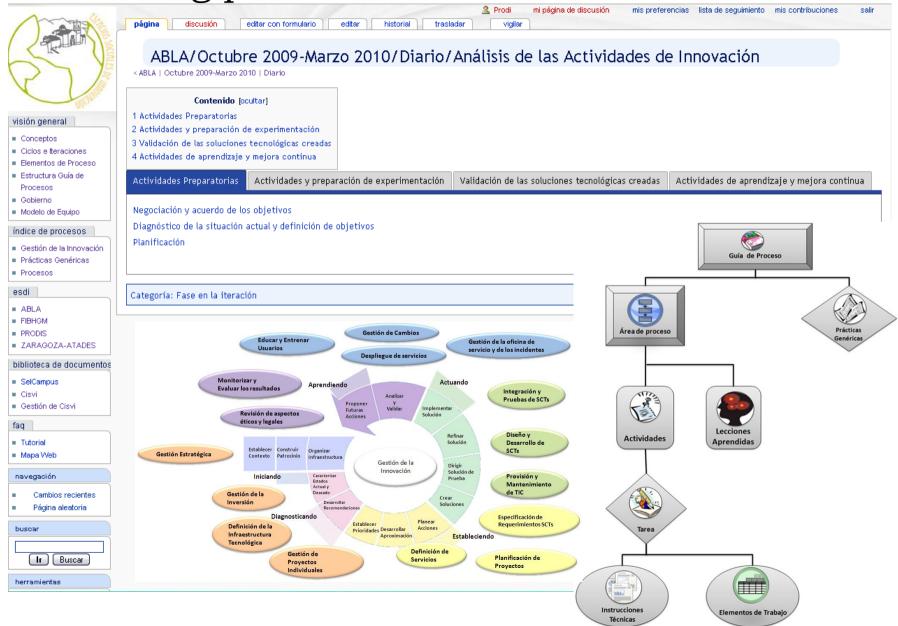
1. Alcance del ESdI de vida independiente domiciliaria impulsada por el Ayuntamiento de Zaragoza

El propósito principal de este ESdI consiste en investigar y proporcionar soluciones TIC, basadas en distintas áreas tecnológicas de la denominada "internet del futuro", que permitan fomentar la vida independiente domiciliaria.

La necesidad de la creación del espacio social de investigación de ESdI de Vida independiente domiciliaria está determinada por los siguientes factores:

- La población de edad avanzada está creciendo en toda Europa a niveles en los que los servicios sociales orientados hacia ellos pueden ser saturados (insuficientes residencias, ambulatorios, personal especializado,...). En el año 2020 en Aragón puede alcanzarse un 30% de mayores de 65 años, en la actualidad alcanza ya el 21%, siendo de las regiones de mayor tasa de toda la Unión Europea.
- En nuestro país la ley de autonomía personal y atención a la dependencia puede llegar a ser de aplicación inviable por el aumento de costes que puede provocar el aumento de la población afectada.
- · Los avances y atenciones médicas han provocado a su vez un incremento de las

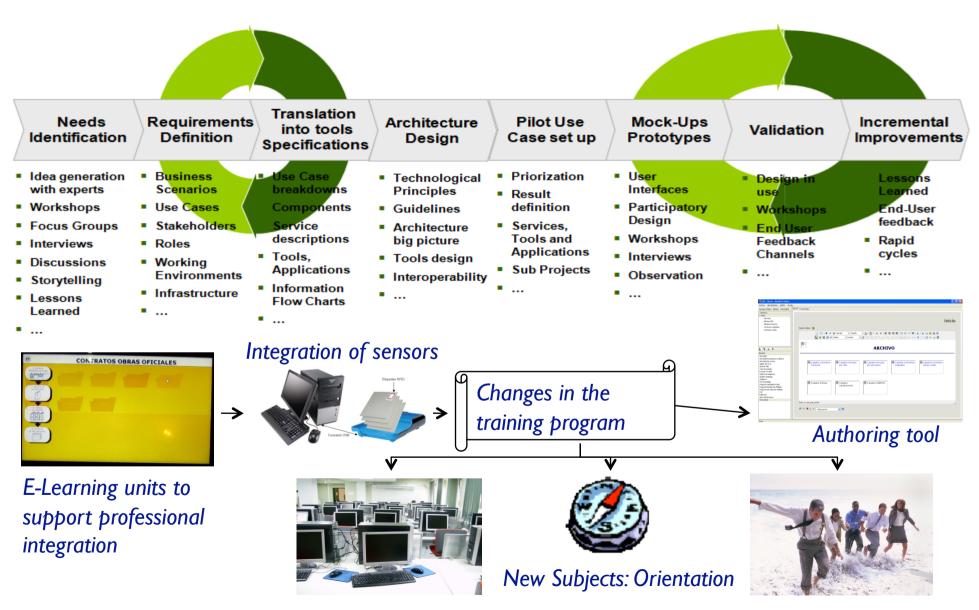
SSRI: Mechanisms enabling the continuous learning process



SSRI: End-user engagement since the inception phase

Validation in Needs Conceptual **Prototypes Evaluation** controlled uncontrolled Specification Design environment environment Colocar diversos vídeos Wider dissemination de la participación de usuarios en el proyecto Support emergent behavior Practice what vou preach Use examples from elsewhere Wider dissemination Turn early Disseminate users into experiences trainers Create stakeholder Train early users and platform followers Acquire high level support Create early Transfer early users into evangelists group **Identify** early movers Differences in personal capabilities and culture. Show example Abstraction capabilities during the first stages benefits **Identify** The need of mediators to involve some communities critical area **Discuss** The management of expectatives generated by prototypes scenarios Availability of research infrastructures with monitoring capabilities Availability to involve in many testing and trial activities More fundong required for wide scale validation activities

SSRI: Continuous adaptation to the changing needs



New Subjects: Informatics

Adapted organization model



SSRI: Collaboration of members from different disciplines and background



Lack of common understanding of goals and requirements assigned to the team.

Difficulties in communication among different team members.



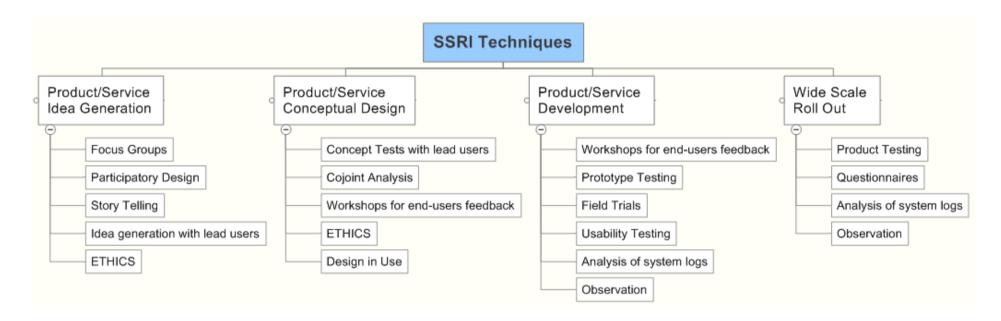
Differences between technical processes, priorities and the associated skills and abilities.



Ineffective management of shared knowledge.

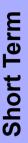


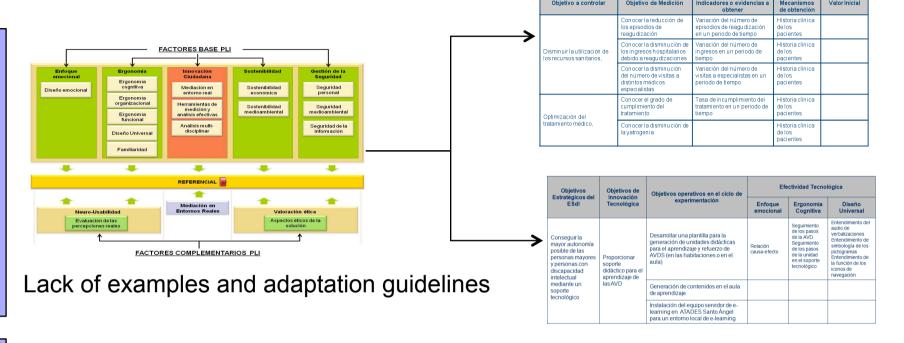
SSRI: Correct application of techniques for development and validation purposes



Buscar algunas fotos de estas técnicas en el ámbito del proyecto

SSRI: Evaluation of technological effectiveness





Long Term



Important adaptatition to each case is required

SSRI: Conclusions

- SSRIs are pragmatic approaches to implement open and user driven innovation.
- This type of approach contributes to obtain successful AAL products and services, especially for physical or intellectually disabled.
- CISVI project aims to apply SSRI concept for researching and innovating technological solutions (including e-learning technologies) for e-health and independent living.
- CISVI provides a methodological approach for open and user driven innovation

Software Engineering Lab

Responsible: Javier García Guzmán e-mail: jgarciag@inf.uc3m.es_

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