

Greater social cohesion in the Central Europe area may be attained through activities in several sectors, telemedicine among them. Cooperation with international partners and regional forerunners and facilitation of transnational cooperation through health, may lead to innovative and shared solutions in the field of telemedicine, thus contributing to geographical integration among the involved regions. The deployment, testing and adoption of scalable and portable e-health instruments at regional/local level becomes a priority for health services providers.

SPES project implements tele-health and entertainment platform in 4 cities: Ferrara, Vienna, Brno and Kosice, focusing on the following diseases dementia, handicapped people, respiratory problems and social exclusion.

SPES proposal aims at transferring the approach and results achieved in the implementation of the OLDES. project. The OLDES project (Older People's e-services at home, [www.oldes.eu](http://www.oldes.eu)) funded by the EU 6th Framework Programme, has developed a new technological solution, designed to ease the life of older people in their homes, by creating a platform able to provide the elderly an easy to use entertainment and health care platform. OLDES platform is based on low cost pc and "friendly" graphical user interface, providing the patient with a user entertainment system interacting with the call centre through a central server and a telemedicine system, collecting medical data through sensors deployed at the patients' home.

Patients will have the opportunity to exploit an easy-to-use telemedicine solution, lowering their displacement costs and the time necessary for going to the care service providers (hospitals, grand physicians, medial centres) and reaching, at the same time, dispersed population on the territory of the pilot.

[www.spes-project.eu](http://www.spes-project.eu)

## Project Partners

**ENEA - Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile** / [www.enea.it](http://www.enea.it)

**Provincia di Ferrara** / [www.provincia.fe.it](http://www.provincia.fe.it)

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**CETIC** / [www.cetic.be](http://www.cetic.be)

## Associated Partners

**Municipality of Brno** / [www.brno.cz](http://www.brno.cz)

**Caritas Archdioceses of Vienna**

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## Pilots

SPES project implements tele-health and entertainment platform in 4 cities: Ferrara, Vienna, Brno and Kosice.

**The Ferrara pilot (Italy)** is targeted to the patients affected by chronic respiratory failure, requiring long-term oxygen therapy and non-invasive mechanical ventilation who are already followed by pneumologists for periodical clinical controls. The aim is to provide patients suffering from breathing problems with a system that can remotely monitor their health status using saturimeter and several other non-invasive medical devices in order to enable more efficient use of medical aids and a more efficient organization of the healthcare service provided by medical staff. Complementary medical web application will allow clinicians and all the other stakeholders involved to access patients' data and report clinical considerations.

**The Vienna pilot (Austria)** endeavours to find tailor-made solutions for persons with dementia who face health risks and who are prone to accidents because they tend to get lost on the street, etc. Such persons often have to move to inpatient care, although they would prefer to continue their self-determined lives in their private homes. Their families are overburdened by constantly having to look after their disoriented relatives.

Another user group requiring mobile application will be that of the **Boskovice pilot (Czech Republic)** that will be focused on 40 mobility impaired clients of a non-governmental organization DEEP. The DEEPs' clients are often illiterate in the field of assistive devices and monitoring services including e-health concept. Therefore, as the first step, courses and appropriate training will be provided in a range of registered social services motivating seniors and

disabled persons in the field of communication services, education, social and professional integration. DEEP team will select 40 clients that will take part in the SPES pilot testing of services bases on monitoring through sensors and detectors – these clients will be located predominantly in the city of Brno in the Czech Republic.

The **Kosice pilot (Slovakia)** will be devoted to the problems related to the social aspects of technology development. The main aim will be to ensure means that can improve social inclusion of older people through suitable ICT solutions designed and developed within SPES project. The older persons will be able to enrich their daily routine by various communication and social features for spending leisure or mediating psychological support. The offered solution will be based on detailed analyses of existing opportunities, requirements and expectations from target group of seniors who will be offered a chance to remain in contact with their relatives, neighbors or some other people with similar hobbies or health problems. The pilot locality will contain small flats or senior house under responsibility of Municipality of Košice. The user-friendly environment will offer interesting functionalities for stimulation of interactions between or with older persons as discussion forum, personal or group instant messaging, emails and virtual meetings.



### Project Partners:

