



HoCare
Interreg Europe



European Union
European Regional
Development Fund

**“Development of sustainable capacity of the
center for applied technology related to
health”**

MStefan1

Good practice: PROJECT

Country: Bulgaria

Generation of innovation by addressing unmet needs identified
by formal and informal providers of healthcare

27 January, 2017 | 1st International thematic workshop - Madeira

Diapozitiv 1

MStefan1 either PROJECT or MANAGEMENT OF OP or STRATEGIC FOCUS OF OP
stefan.michal; 13.1.2017

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PROBLEM

- applied research centers in Bulgaria face serious limitations in their activities due to **lack of funding to expand** the extent of the research programs of applied nature.
- **not enough funds for investments in modern equipment**, or for upgrade existing infrastructure **to optimize the technology** to carry out research and development.
- major constraint to the continued expansion of the innovation center in the direction of remote and mobile monitoring - **the need for technological equipment**

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SOLUTION

As a result of project activities:

- **the center provides opportunities for the realization of cloud services**
- **it became the basis for building a network of virtual laboratories for remote monitoring. The use of mobile devices is allowing access to information and equipment to implement the principle 24/7, which is crucial for the effectiveness of continuous monitoring in home care**
- **The Center created capacity for continuing education nationally in the field of providing distance monitoring of health in home care.**
- **The Center became the focal point for regional innovation events attracting academia professionals and business.**

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- **annual scientific conferences «Innovation & Business for academia, high-tech business, and organizations involved in healthcare services**
- **the thematic orientation is towards the creation of innovative tools, services, and solutions in support of healthcare activities, improving the quality of life of patients with special needs, and facilitating the activities of organizations that provide support to patients in their homes as well as to their families**
- **the Center facilitates the process of pilot generation of new products, processes and services by cooperation of academia, clinics and SMEs.**

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IMPACT

- **The Applied Technology in Health center carries out interdisciplinary research and technology development activities that consolidate knowledge accumulated in the areas of healthcare, telemedicine, information and communication technology.**
- **Environment to create high-tech tools and services in support of the prevention, diagnostics, and treatment of diseases with pronounced social significance. The main efforts are focused on the development of advanced methods for breast cancer diagnostics, technological support to the diagnostics of the Alzheimer’s disease, the detection of negative emotional states and neurological disorder.**
- **The Center coordinates and supports national and international projects, and MStefan4es training courses, workshops, and scientific eventss, stress level assessment etc**

Diapozitiv 5

MStefan4 stefan.michal; 13.1.2017

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- an opportunity to create a center supporting the development of e-health within the structure of the University and in partnership with other universities and businesses that provide services in the field of non-hospital care.
- links the three key factors needed to build a dynamic economic model, sustainable development and jobs - education, research and innovation, according to the National Roadmap for scientific infrastructure (in Bulgaria)
- the center offers open access of scientists, scientific groups and partners from universities, medical centers and the private sector with the aim of developing joint projects in the field of home care.

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TRANSFERABILITY

- OP: possible to get financed via selected OP programmes
- Other countries: easy transfer to other countries based on involvement of quadruple-helix stakeholders
- Home care: could be applied also specifically for home care innovations, with applied technologies for health being replaced e.g. by applied technologies in home care

SOURCE OF FUNDING

- OPIC (2007-2013)



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**Silvia Stumpf,
BAA, Bulgaria**

Interactive working group: Transferable projects: Businesses

Questions welcome

