



Project: „SMART MEDICINE“



Project title: SMART MEDICINE (SMART_MED)

Project Partners:

LB: Dimitrovgrad Municipality, Bulgaria

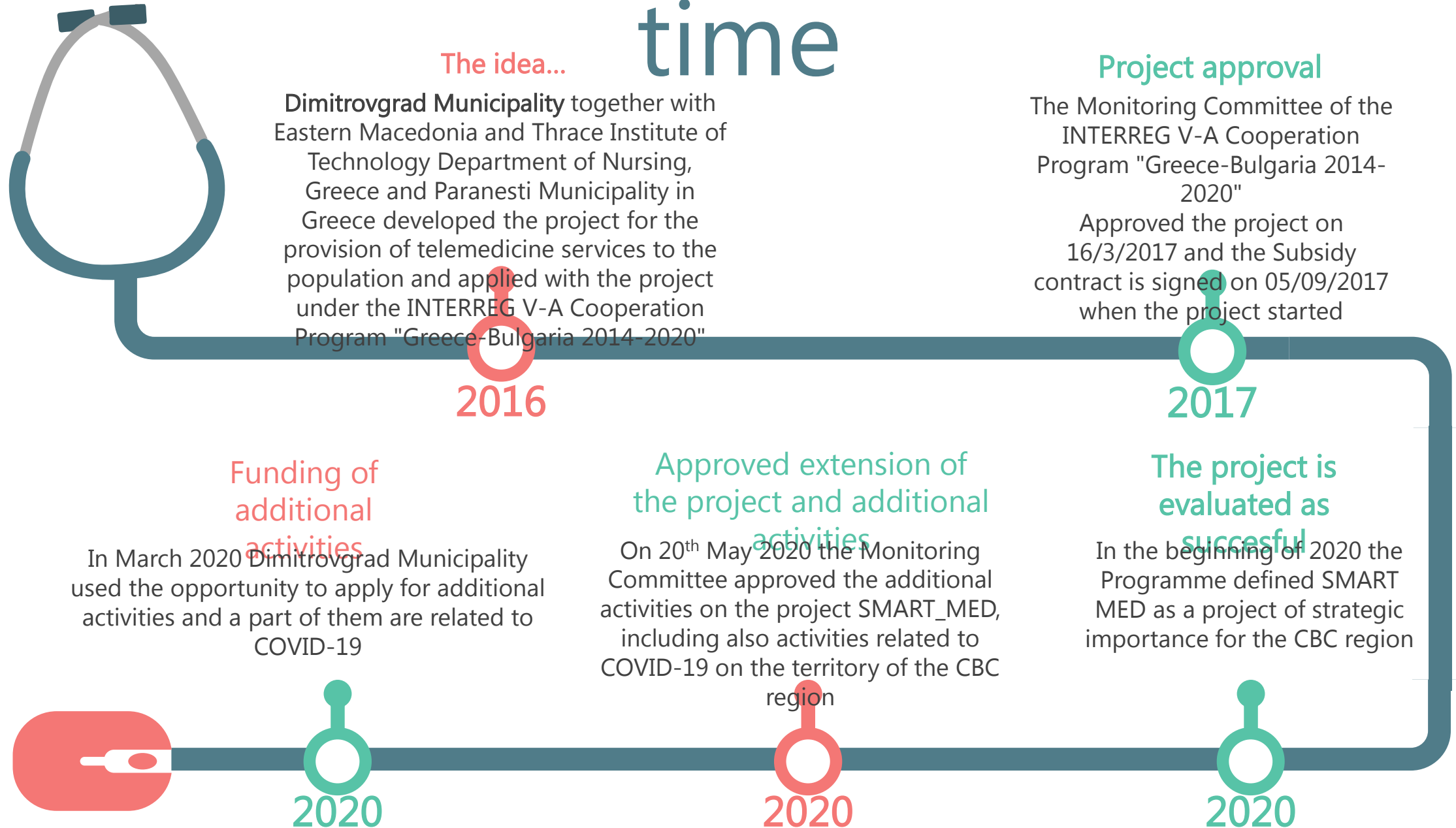
PB2: REASEARCH ACCOUNT OF INTERNATIONAL UNIVERSITY OF
GREECE (former: Eastern Macedonia and Thrace Institute of Technology
Department of Nursing, Greece)

PB3: Paranesti Municipality Legal Entity of Social Solidarity, Pre-school
and Education

Priority Axis: 4. A Socially Inclusive Cross-Border Area

Investment Priority: 9a. Investing in health and social infrastructure which
contribute to national, regional and local development, reducing inequalities in
terms of health status, promoting social inclusion through improved access to
social, cultural and recreational services and the transition from institutional to
community-based services.

Project SMART_MED during the time



Overall Objective:



To invest in health infrastructure which contributes to regional and local development, reducing inequalities in terms of health status.

The purpose of the Project is to improve the effectiveness of the primary health care system and indirectly manage to provide better health coverage to deprived communities decongesting hospitals service volumes and increase overall health care capacity and responsiveness.



THE CHALLENGE



Building an open telemedicine platform for mobile medical examination rooms, capable of accommodating any kind of standards-based medical instruments and integrating it with Electronic Medical Records systems



THE SOLUTION

SMART_MED Project enables hospital-type medical examination just anyplace with a cellular or fixed Internet connection. Combining any IoT medical devices with the latest medical and information technology innovations. SMART_MED provides Dimitrovgrad, Didymoteicho and Paranesti new service delivery options as well as radical cost savings. Conceptually, the solution imitates a medical examination room in a clinic or hospital, the key difference being both the patient and the doctor can be anywhere in the world, teleconferencing in real time. The patient is attended by a nurse who acts the 'doctors' hands', physically operating medical instruments e.g. a stethoscope, a heart monitor, a blood pressure monitor, an ultrasound scanner, a glucose-level meter or a laparoscope set. In fact, any digital medical device can be used as long as it can transfer data over a USB, Wi-Fi or Bluetooth to a laptop, a tablet or even a smartphone.



THE BENEFITS

THE BENEFITS

a leap in medical examination availability and quality, especially for small communities and rural areas

more patients served with existing budget and resources
productivity gains and reduced cost per patient

reduced waiting times, public service obligation fulfilled

lower risk and cost from early diagnosis and treatment

better service for chronic conditions and the elderly
avoiding unnecessary patient transportation and related cost



The project provides:

Purchasing and equipping a mobile medical center. Hardware system for remote medical examinations and software system for health records will be purchased .

Equipment for patients in a mobile center for medical examinations at the municipalities of Dimitrovgrad, Paranesti and Didymoteicho



ДИМИТРОВГРАД



Deliverables:

WP1: Management and Coordination



The project will be managed by external experts;
An administrator and an accountant in the administration of LP will be appointed;
3 Partners' meetings will be organized in Dimitrovgrad, 2 in Didymoteicho, and 1 in Paranesti;
Tender procedure development for the external expertise issues will be assigned to an external company.

Deliverables:

WP2: Communication and Dissemination



Organize Initial Press conference in BG (Dimitrovgrad)
Organize Final Press conference in GR (Didymoteicho)
20 publications in local and regional media in BG and GR presenting information about the Programme as well as about the progress of the Project
Development and dissemination of 1000 brochures about the project; 2000 brochures presenting TELEMEDICINE services; 10 000 brochures on healthcare and prevention of socially significant diseases;
3 Boards of gratitude with the Logo placed in a visible locations in the facilities of the partners
Final Project Conference on Projects' results and Telemedicine Healthcare Services



Deliverables:

WP3: Local Telemedicine Center for Specialized Primary Health Care

- Development of joint strategic plan for providing telemedicine in Dimitrovgrad, Didymoteicho and Paranești
- Supply of equipment for Equipped mobile station for hard to reach villages in the municipalities of Dimitrovgrad, Didymoteicho and Paranești
- Know-how exchange and training of the medical staff of the newly created facilities. Members of the team will be trained appropriately in order to be able to deliver specialized PHC on site but also a large part of their services (preventive health services, diagnostic pre-assessment, guidance, prescription services, etc.) at their homes of typically excluded people, including people with disability and/or reduced mobility, elderly with chronic conditions, poor families, Roma citizens, etc. Training for the population is also planned through issuing of leaflets and information materials that will be disseminated among the residents of the partnering areas.
- Develop Joint eHealth data base with information of the residents of Dimitrovgrad, Didymoteicho and Paranești municipalities. The information will be collected during the exams of the Mobile stations, stored on a "cloud" and will be accessible by General Practitioners and medical professionals through username and a password owned by every person. This information could be used by medical professionals whenever it is needed to be done concerning a certain patient. Data protection issues also need to be addressed in respect to the use of cloud computing infrastructures and services for health and wellbeing data processing.
- Bg Gr Conference on: How Virtual Care Can Improve Access to Quality Healthcare



Deliverables:

WP4: SMART HEALTHCARE

- Pilot PHC Programme for challenged citizens in Dimitrovgrad, Didymoteicho and Paranesti. A 14 month period of pilot operation of the Local center for SPHC is foreseen during the project offering preventive health checks (a) to visitors of the Centers and (b) to remote citizens visited by the Mobile Units. A company will be hired for the provision of the services strictly obeying the de minimis rule. As a pilot action the experiment will be reported in order to improve the service provision and provide sustainability of the project. A contract with MC will be signed.
- Campaigns for prevention of socially significant diseases
- Trans border event on: eHEALTH, TELEMEDICINE AND HEALTH ICT FORUM For Education, Networking and Business
- Research on: How the cross border region has used technology to provide coordinated aging services and home health care for seniors and manage the high costs and ever-changing technologies around remote patient monitoring
- Assessment of the implementation of the project. Case study on the projects' results and the effect for the cross border region. Joint follow-up consumer research.

Deliverables:

WP5: Community-based primary health care initiative (CBPHC)

- Design and develop a CBPHC model. The main objective of the initiative is to progressively shift from the institutional to community-based services in order to decongest hospitals service volumes and increase overall health care capacity and responsiveness. The model will be able to coordinate all health care providers and stakeholders as well as build the necessary CBPHC capacity.
- Development of educational tools that can produce CBPHC capacity to health care stakeholders.
- Training, workshops. Nurses, social workers, pharmacists, dietitians, public health practitioners, physicians and others in a range of community settings including people's homes, healthcare clinics, physicians' offices, public health units, hospices, and workplaces.
- Develop a CBPHC network, which will create the necessary start-up environment for a continuous CBPHC establishment.

Medical equipment

- Truck with a medical VAN
- Patient workstation to perform remote medical examinations of patients;
- ILLUMINATION SYSTEM;
- STETHOSCOPE;
- SPOT LXI VITAL SIGNS MONITOR;
- 12-LEAD PC-BASED ECG;
- ABDOMINAL USB ULTRASOUND PROBE;
- ENT OTOSCOPE;
- Doctors' computer stations;
- Wireless All-In-One Monitoring Devices
- X-ray Digital radiography system
- Software system for remote medical diagnosis and management of patients' medical files

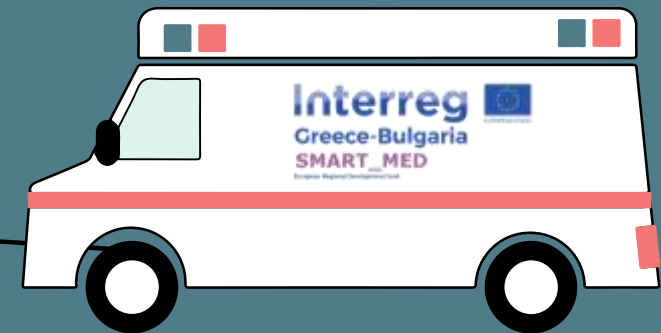


INITIAL BUDGET

	Staff Costs	Office and Administration	Travel and Accommodation	External Expertise and Services	Equipment	Infrastructure and Works	TOTALS
WP 1	9 072,00 €	0,00 €	165,00 €	90 071,80 €	0,00 €	0,00 €	99 308,80 €
WP 2	0,00 €	0,00 €	4 015,00 €	21 970,00 €	0,00 €	0,00 €	25 985,00 €
WP 3	9 621,60 €	0,00 €	620,00 €	47 279,67 €	660 200,00 €	0,00 €	717 721,27 €
WP 4	6 245,60 €	0,00 €	1 040,00 €	250 743,69 €	0,00 €	0,00 €	258 029,29 €
WP 5	27 122,56 €	0,00 €	1 250,00 €	34 100,00 €	0,00 €	0,00 €	62 472,56 €
WP 6	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
TOTALS	52 061,76 €	0,00 €	7 090,00 €	444 165,16 €	660 200,00 €	0,00 €	1 163 516,92 €



Project: „SMART_MEDICINE” – extension...



BUDGET

	Beneficiary	Country	Budget
LB	Dimitrovgrad Municipality	Bulgaria	242 993,00 €
PB 2	REASEARCH ACCOUNT OF INTERNATIONAL UNIVERSITY OF GREECE (former: Eastern Macedonia and Thrace Institute of Technology Department of Nursing, Greece)	Greece	330,00 €
PB 3	Paranesti Municipality Legal Entity of Social Solidarity, Pre-school and Education	Greece	139 340,00 €
TOTAL:			382 663,00 €



The extension includes:

Purchasing a breathing respirator



Purchase of additional hardware and software equipment for the mobile station



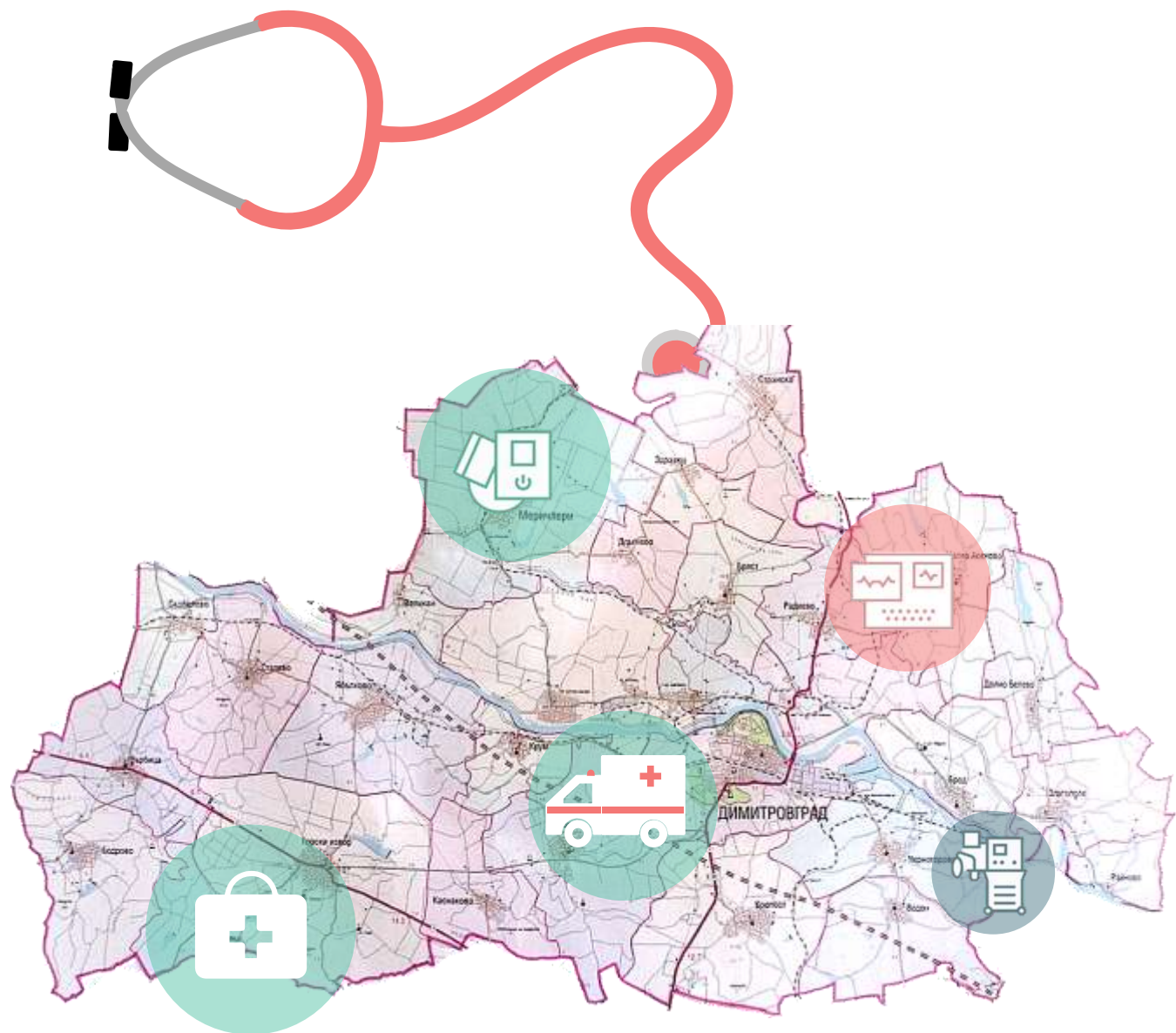
Purchase a mobile digital x-ray



Purchase of patient monitors for continuous monitoring of key vital parameters

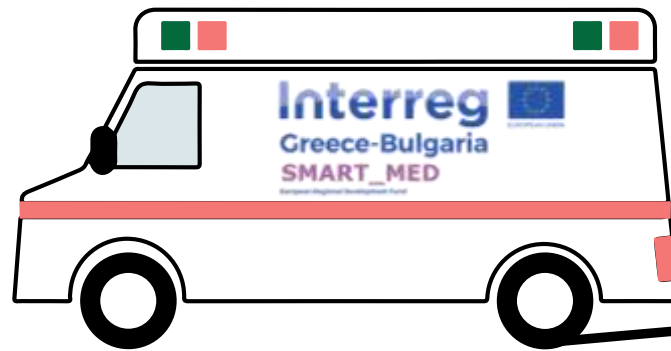


Another 10 months of providing health services to the residents of the villages on the territory of Dimitrovgrad Municipality



ДИМИТРОВГРАД





Thank you for being part of our efforts to be useful to the citizens of Dimitrovgrad Municipality!

ДИМИТРОВГРАД

