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Interreg Europe

European Union
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Development Fund

DELIVERABLE 2.2 - MINI-PILOTS IDENTIFIED, PROTOTYPED AND TESTED

“eHealth Territorial LAB - Local ecosystem as an instrument to scale up innovative local start-ups in eHealth topic”

top-ix

WE DO CONNECTIONS

The **Deliverable 2.2** has been designed to provide an overview of the deployment of pilot activities.

- The most suitable eHealth service to be tested has been identified in the first semesters of the pilot action.

- The test phase has been conducted while considering the following relevant factors:
  - **economic sustainability**
  - **ecosystem readiness**
  - **public sector collaboration**
  - **user's community response**
  - **cooperation between all the involved stakeholders.**

Moreover, attention has been given to:

- assess the conditions allowing the concrete **replicability** of **Biodonostia methodology**
- evaluate the conditions for testing the **prototypes** on the **territorial ecosystem**
- provide beneficiaries with all the necessary **IT tools/devices.**

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OBJECTIVES

- **To improve** the supply of services to people, helping to **contrast the abandonment of territories by local communities**;
- **To enable** the territory with technologies and knowledge so that it can represent an attractive ecosystem to develop **innovative services** matching **needs of local communities**.

ADDED VALUE

- **To demonstrate** the value of a well connected local ecosystem in **eHealth** field;
- **To demonstrate** the importance of a **linkage** between **service providers** and **SMEs**, **sanitary districts, business incubators and municipalities**.

PILOT DEPLOYMENT

WHERE

Susa Valley

Panoramic view of the Susa Valley and of one of the Municipalities involved (Mompantero)

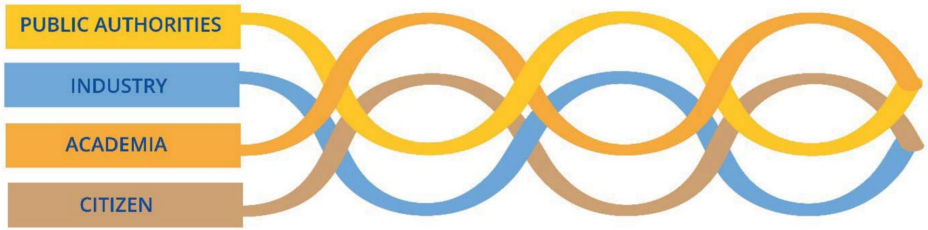
One of the remote and mountainous areas reached by the pilot action. 729 mt above s.l


MONCENISIO
NOVALESA
VENAUS
MOMPANTERO
GIAGLIONE
Col du Mont Cenis
2094
Pointe du Lamet
3504
du Mont Cenis
Variselle
Val Cenischia
Rocciamelone
3538
Lago di Malciaussia
Grand'Uja
2663
Punta Lunel
2772
M. Palon
2965
S. Giorgio
S. Stefano
819
Bar Cenisio
SS 25
Abbazia di Novalesa
831
Villaretto
Punta Mulatera
2543
S. Biagio
595
R. Cenischia
R. Clarea
San Giuseppe
Passeggeri
567
Madonna del Rocciamelone
SUSA ovest
Vicenzo
SUSA
Urbiano
495
Chiodo
San Giuliano
502
Cattedrale di S. Giusto
Area archeologica
SUSA est
Madonna delle Grazie
Foresto
488
RISERVA NATURALE ORRIDO DI FORESTO
Falcemagna
Mole
Pavaglione
CHIANOCCO
BRUZOLO
Campoasciutto
S. Pietro apostolo
548
Castello
Casaforte
S. Giov. Evangelista
Grangia
442
Vindrolere
434
SAN DIDER
BUSSOLENO
449
Crotte
CHIANOCCO
Castello
428
Casaforte
S. Maria Assunta
SS 24
Traduerivi
Coldimosso
S. Giorgio
424
S. Lorenzo
Castello
SS 25
A32
SS 24
Cima Adro Denti
2106
La Maddalena
738
GRAVERE
764
San Giuseppe
Le Ramats
966
S. Andrea
750
S. Maria Assunta
CHIOMONTE
968
1203
Certosa Madonna della Losa
MEANA DI SUSA
691
Saretta
735
MATTIE
Tignai
SAN GIORIO DI SUSA
Malpasso
403
Pianverso
613
Certosa di Banda
S. Maria Assunta
Città
0
1 Km
Ivrea
Vercelli
Susa
Torino
Alessandria
Asti
1
2
3
4

PILOT DEPLOYMENT

WHO

4 HELIX HORIZONTAL PLACE-BASED APPROACH
(as in ecoRIS3 project)



Composition of local ecosystem

- Metropolitan City of Turin
- Municipality of Giaglione
- Municipality of Mompantero
- Municipality of Moncenisio
- Municipality of Novalesa
- Municipality of Venaus
- ASL TO3 - Local Health District
- Con.I.S.A - Social Welfare Consortium
- TOP-IX Consortium

Local stakeholders laid down the basis of mutual cooperation by means of a MEMORANDUM OF UNDERSTANDING

PILOT DEPLOYMENT

WHAT

The **SERVICE** deals with the **monitoring of health and physiological parameters.**

The main **TARGET are self-sufficient elderly people currently non-tracked by institutional social assistance services**.

The **GOAL** is to increase the **ability to identify situations of fragility** and to allow the **preventive identification** of anomalous degeneration in health.

PILOT DEPLOYMENT

HOW TO

- DEFINITION OF THE HEALTH PARAMETERS TO BE MONITORED ✓
- IDENTIFICATION OF TECHNOLOGY PROVIDER ✓
- LOCAL PUBLIC ADMINISTRATION ENGAGEMENT ✓
- LOCAL HEALTH AUTHORITY INVOLVEMENT ✓
- OTHER LOCAL STAKEHOLDERS INVOLVEMENT ✓
- BENEFICIARIES IDENTIFICATION ✓
- PRIVACY ISSUES MANAGEMENT ✓
- CONNECTIVITY ISSUES MANAGEMENT ✓
- MONITORING PLATFORM SET-UP ✓
- MEMORANDUM OF UNDERSTANDING SIGNED ✓
- **FIRST MONITORING May 21st** ✓

IMPLEMENTATION OF THE MONITORING PHASE

HOW TO … Technical Requirements

Backend infrastructure: *the service must collect data from devices and store information in a dedicated database (on premise or in cloud). The system must offer the chance to proper set up rules and profiles for data access.*

API Connection: *The service must offer versatile APIs to manage integration with third parties' services and data consumption. APIs must follow standard best practices and ensure proper security levels.*

Certified medical devices: *the chosen device/service must comply with EU medical devices legislation and namely with the Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices.*

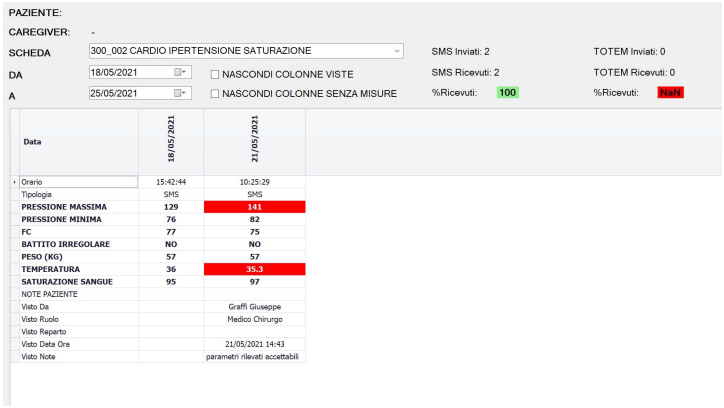
Cost effective and scalability: *the price of the device/service must be compatible with the available budget and it must enable a wider scale adoption for future systematization.*

Privacy and Data Processing: *the service deals with the monitoring of sensitive personal data related to the medical sphere. As such, for the test phase, it will be asked to all the beneficiaries to fill out a specific release.*

MONITORING PHASE

HOW TO … Results

Monitoring Platform



The **general practitioner** has been fitted with a Personal Computer with the monitoring platform installed by the technology provider.

Once beneficiaries send the questionnaire filled out with all the parameters requested, the GP can check them and be sure that fall into the **control threshold**, **monitor** them and **compare** them **over time**.

Thanks to this system GP should be able to **prevent** eventual **worsening** in the **conditions** of patients.

TEST PHASE

HOW TO … Results

Devices delivery and set-up

To properly activate the action it has been crucial to reach the area of the implementation and to see **first-hand** which are the **difficulties** experienced by people living in **remote** and **mountainous areas**.

Participants have been equipped with the necessary **devices** for the **tracking** of the selected **parameters**.

Twice a month participants receive an sms that communicates them they have to detect the parameters and fill in the **questionnaire**.

TEST PHASE

HOW TO … First Results

Web App interface

- Easy to install app for both **Android** and **IOS** devices
- Possibility of using the patient's device
- Internet connection via **WIFI** or **mobile patient subscription**
- Collection of biometric parameters requested by the Specialist Doctor
- Possibility of large-scale dissemination
- Availability of **reports** and **graphs** for Healthcare workers

NEXT STEPS

End of the 3rd semester - 4th semester

- Onboarding of 2 additional families through Application
- Data acquisition (till August 2021)
- Process fine-tuning
- Feedback, from different stakeholders, acquisition

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