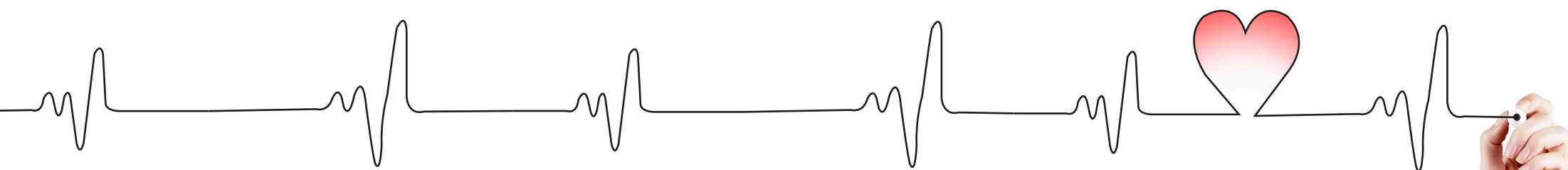


## What is PremoGeoU

Chronic patient-centered system, so that they feel more accompanied and understand the benefits of having their well being monitored by healthcare professionals. Creates an environment that promotes the sharing of information between doctors and their patients, and provides control mechanisms that allow a more active involvement and participation of the patients in the prevention of their own disease.



### SINFIC (entidade promotora):

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✱ Operationalization of the eHealth concept through a web platform, including automatic large-scale collection mechanisms for measurements on multiple clinical parameters.

✱ Integration of data collected through a heterogeneous network of sensors, either at formal or at non-formal environments, with automatic procedures for the registration and analysis of results, individually by chronic patient.

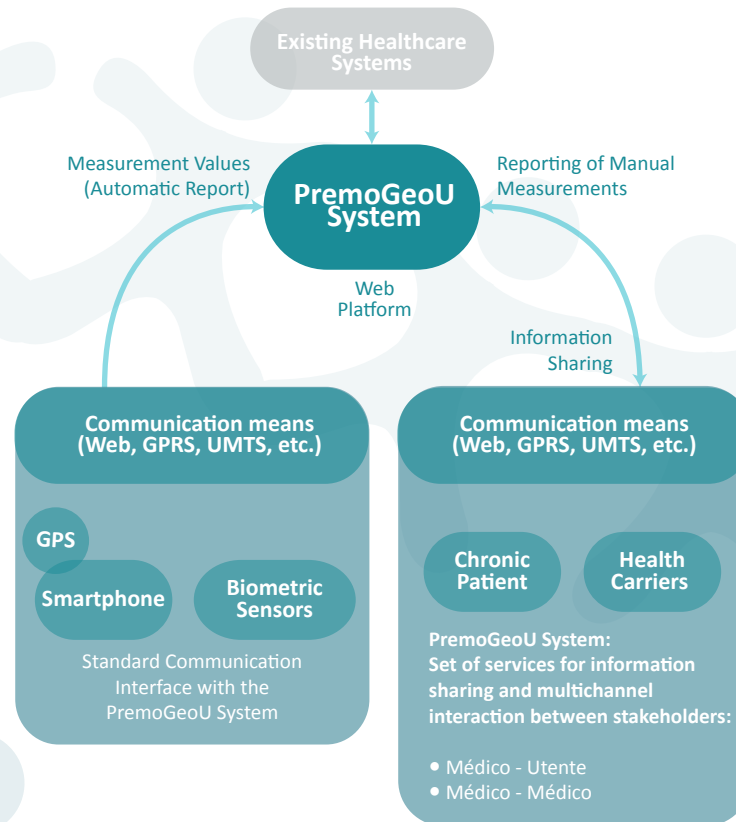


## Benefits for Chronic Patients

- Promotes the acquisition healthier habits and behaviors, thereby contributing to the improvement of general well-being and quality of life;
- Permanent availability of historic information on regular measurements (e.g. weight, cholesterol, blood glucose, blood pressure, etc.) with eventual georeferencing of time and location of each measurement;
- Graphic interface such as matrix dashboards for monitoring and follow-up of the evolution of patient's clinical status;
- Closer and more regular medical follow-up, allowing active participation of patient;
- Allows renewal of prescriptions and/or reception of changes to the monitoring plan, without the need for physical attendance.

## Benefits for Health Carriers

- Service catalogue creates a collaborative environment for sharing information among healthcare professionals;
- Graphical Interface and standardized registration of individual parameter values by patient, dynamic management of new types of sensors;
- Dynamic management of monitoring plans, including changes in parameters and types of sensors;
- Standardized dashboard to follow the evolution of history for measurements taken in formal and non-formal environments and assess risk behaviors of patients;
- Interface for doctor-patient or doctor-doctor interaction, featuring procedures and information sharing policies;
- Metadata to support socio-demographic studies by clinical profile or data analysis (e.g., critical events).



## Platform Technological Characteristics

- Web platform for document and process management, based on SOA (Service Oriented Architecture);
- Technologic independence from Operating Systems and Databases;
- JAVA and J2EE development, with process and event georeferencing.

## Project Main Goals

- Focus on illness prevention with information sharing between healthcare professionals, fostering a more proactive involvement of patients;
- IT tool for regular, georeferenced patient monitoring, compatible with existing solutions for healthcare facilities;
- Differentiates between measurements taken in formal and non-formal environments, with individual processing of data by chronic patient;
- Improvement of notification mechanisms that alert for patient's health status, with screening of false alerts;
- Provides new health services without increases in resources and means, and therefore with lower costs.

## Project Innovative nature

- Monitoring and standardization procedures for the data gathering, recording and analysis of measurements with georeferenced information;
- Service catalogue oriented towards a collaborative environment for information sharing among healthcare professionals, regardless of their location;
- Provision of clinical information with data feed from the readings of the values on clinical parameters, individually by clinical profile of patient;
- Data structure with mechanisms for information sharing with existing IS;
- Adoption and adaptation of the protocol interfaces for the Health sector (e.g. HL7, IEEE11073, ICD 9 / ICD 10, ICNP);
- Algorithms and analysis techniques of spatio-temporal context to support scientific studies.