



Health & ICT Initiative

a partnership with Cap Digital and Medicen Paris Region clusters

CONTEXT AND CHALLENGES

Health has become one of the main concerns of developed societies. This is due to ageing populations, the emergence of new health risks at global level as well as the reform of healthcare systems. In addition, the desire to keep patients at home and to improve the quality of life and care, combined with changes in medical demographics, are key drivers for change.

As a result, it is critical to break new ground in the field of health and medico-social issues by drawing on the opportunities offered by Information and Communication Technologies (ICT). This is the goal of the present initiative in the field of Health & ICT.

There are many industrial and economic challenges associated with the development and deployment of ICT based healthcare solutions. Not only are there issues of competitiveness and how to organize stakeholders, but also challenges linked to safety, acceptability and financing of new e-health services.

In 2009 it became clear to the three Paris Region competitiveness clusters - Cap Digital, Medicen Paris Region and Systematic Paris-Region - that these issues were increasingly mobilizing their communities, and that together they had the skills and technologies to develop and to deploy "e-health" solutions.

Thus the Health & ICT initiative came into being and was organized into a shared road map. This road map has been steering Paris Region's Health & ICT ecosystem since 2009. It has contributed to the development of local stakeholders and led to the launch of a substantial number of major projects for the sector.

PRIORITIES AND PROJECTS

Cap Digital, Medicen Paris Region and Systematic Paris-Region have organised their initiatives and innovation projects into several "Development Axes":

- ▶ Knowledge management
- ▶ Modelling and simulation
- ▶ Digital imaging
- ▶ Medical devices
- ▶ E-health and telemedicine

Between 2009 and 2011, 10 R&D projects were funded as the result of the partnership between the three clusters.

These projects are: 3D-VOR, ADOC, arHOME, e-Thérapie, Intense, Picado, Pramad-2, RéVAD, Street-Lab and Sympad. They represent more than €80 million



STAKEHOLDERS

The Health & ICT initiative consolidates the expertise of the three clusters' ecosystems by first of all bringing together professionals in the field from more than 400 companies and research laboratories.

The initiative also involves the following healthcare-related bodies:

- ▶ The National Reference Centre for Home Healthcare and Independent Living (CNR-Santé)
- ▶ The Paris Region Health Agency
- ▶ The General Council of Industry, Energy and Technology with financial support from:
- ▶ The Ministry of the Economy, Industry and Employment
- ▶ Investissements d'Avenir ("Investing for the Future" government-sponsored programme)
- ▶ Local authorities



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Last minute

FUI13 call for projects

VEADISTA

Veille à distance et alertes intelligentes (Remote monitoring of vital parameters and smart alerts)

VEADISTA objective is to provide technological components including electronic devices and softwares designed for monitoring the vital parameters and for sending alerts to a rescue center. The main stakes are to produce hardware highly acceptable by patients and low-cost enough for a large-scale deployment and to develop free software for inferring diagnosis and for the secure sending of alerts.

Coordinator: ENTR'OUVERT / Partners: CHU of Nice, ENTR'OUVERT, IM2NP Laboratory, INVIA, OBERTHUR, STID.
Call: FUI13 / Global budget: 3,3 M€ / Funding: 1,7 M€.

Projects labelled by the Systems Design and Development Tools WG, with the Health & ICT Visa

INTENSE

The objective of the project is to develop an innovative, communicating implantable neurostimulation electronic platform for the treatment of major diseases. The first targeted applications concerns vagal nerve stimulation for heart failure refractory to medical treatment and severe obesity.

The project aims to create in Europe a new biomedical industrial sector, neurostimulation, a fast growing field, for which France has skills and assets and which represents a strong investment for the future.

Coordinator: SORIN CRM / Partners: 3DPLUS, CEA-LETI, CHU ET UNIVERSITÉ DE RENNES1, HEGP, INRA, INRIA, OBELIA, SORIN CRM.

Call: PSPC / Global budget: 53,3 M€ / Funding: 17,3 M€.

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PICADO

The PICADo project aims to build, experiment and evaluate a multi-pathology homecare platform (domomedicine):

- ▶ Development of a polyvalent infrastructure for homecare
- ▶ Experimentation and evaluation of the clinical, organisationnal and socio-economic value of the demonstrator, to anticipate the technical, human, organisationnal and economical problems of large-scale deployment and build a suited and durable business model.

Coordinator: ALTRAN / Partners: ALTRAN, AXON CABLE, BLUELINEA, FSI, INSERM, UNIVERSITE DE REIMS (OMI-EA 2065), UTT, VOLUNTIS

Call: FUI12 / Global budget: 5,6 M€ / Funding: 2,1 M€.

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