

# Ideal-Ist Success Story

Ideal-Ist – your Worldwide ICT Support Network



*November 2009*

*Ideal-ist*

*Success Story*

*iCARDEA, TURKEY*

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iCARDEA 

*An Intelligent Platform for Personalized Remote  
Monitoring of the Cardiac Patients with Electronic  
Implant Devices*



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## About Ideal-ist

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Ideal-ist is the first and unique quality labelled international ICT partner search network with 13 years experience. The network of Ideal-ist consists of 63 national contact points (NCP) in the area of Information and Communications Technologies. The Consortium members are from EU and Non-EU Countries, including Associated States, Eastern European Partner Countries (EEPC) and Mediterranean Partner Countries (MPC) and Emerging countries like China, Brazil, India and South Africa. Ideal-ist is part funded by the European Commission and supports research organisations and companies worldwide

- to find partners for their project ideas.
- to join projects and
- to find services leading them to success in the 7<sup>th</sup> Framework programme.

Furthermore, the main goal is the enhancement of cooperation between the national NCPs within FP7 and an overall improvement of quality across Europe in the dynamically growing area of ICT.

This is in line with the international cooperation strategy of the European Commission.

## How Did Ideal-ist Help?

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We have heard of Ideal-ist through the Commission Services. We have been already using Ideal-ist services since our FP6 proposals. In every call, we believe in the advantages of publishing our proposal information and requirements in Ideal-ist portal in order to get the qualified and suitable partners from the EU and Associated Countries.

The iCARDEA project has received 19 Expression of Interests. Those were including satisfying information about the organizations that showed interest.

The iCARDEA consortium includes 8 partners from 6 different countries. The consortium includes Software Research and Development and Consultancy Ltd. (Turkey) as coordinator, OFFIS e.V. (Germany), Salzburg Research Forschungsgesellschaft m.b.H (Austria), Foundation for Research and Technology Hellas – Institute of Computer Science (Greece), Salzburger Landeskliniken BetriebsgesmbH (Austria), St. Jude Medical Medizintechnik Ges.m.b.H (Austria), Medtronic Iberica SA (Spain), and Hospital Clinic I Provincial de Barcelona (Spain).



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## *Project Details*

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**iCARDEA** – An Intelligent Platform for Personalized Remote Monitoring of the Cardiac Patients with Electronic Implant Devices | TURKEY | submitted in FP7-2009-ICT-4 Objective ICT-2009.5.1: Personal Health Systems

The proposal is a STREP and received 13.00 of 15.00 point in total by being ranked on position 4 out of 27 for proposals both including IPs and STREPs in topic 5.1. In the ESR of the proposal, evaluators declare that the proposal fits with the call, with a sound concept, and high quality and quantified objectives and the consortium participants are excellent, including major players with international status. Additionally the consortium is mentioned to be very well balanced.

## *What Is the Project About?*

Over the last decade, there has been an exponential growth in the number of cardiac implantable devices, in their electronic and software complexity widening their function and application. However, due to their limited processing capabilities restricted by their size, CIEDs need to be supported with software running on the data centers. Currently, the data center processing is standalone with their custom software and proprietary interfaces.

iCARDEA will expose CIED data through standard interfaces to develop an intelligent platform to semi-automate the follow-up of CIED patients with context-aware, adaptable computer interpretable clinical guideline models. The computer interpretable guideline models to be developed will be designed from re-usable building blocks to facilitate personalization of the patient care and follow-up workflow. The CIED data will be exposed through standard interfaces based on the HL7, ISO/IEEE 11073 standards and the IHE IDCO Profile. EHR interoperability will be achieved by exposing legacy EHR systems through standard HL7 CDA interfaces so that information about patients' medical history such as the non-cardiac conditions denoting contraindications to the proposed therapies can be obtained from the patient EHR data and used in the clinical follow-up workflow. The clinical guidelines will automate the risk assessment and hence support medical professionals by automatically assessing the situations and generating alarms.

iCARDEA will introduce outcome indicators with the related steps of the clinical guidelines to measure the success of the care process so that it can be combined with expert feedback to achieve a closed-loop system. The patients will be empowered with Personal Health Records (PHR) to enable informed and responsible participation in the process and for their education. iCARDEA platform will provide



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comprehensive security and privacy mechanisms and will be validated in a hospital in Austria with CIEDs from two major vendors.

## *Detailed Information on the Project*

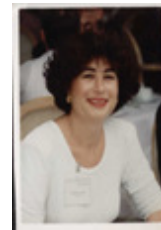
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## *Get more information on the Ideal-ist partner search and ICT support services*

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Website: [www.ideal-ist.net](http://www.ideal-ist.net)

E-mail: [idealist@ffg.at](mailto:idealist@ffg.at)

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