

IDEA Spark Cantabria 2019

Reference #	12965949
Status	Complete
Login Username	sdiez
Login Email	sdiez@ambar.es
Project Title	Technologies and Photonic Devices for Healthy Aging
Short project title (max 20 alpha-numeric characters)	TeDFES
How long have you (or your team) been working on this project?	One year
How many people are on your project team? (Count only those who will be involved in doing the work of the program and/or those you would like included on any email communications from the program. Note that each person will need to submit a registration form; instructions will be provided after this application is submitted.)	3
Applicant name:	Sara Diez del Valle Garzon
Applicant E-mail address (when you submit, a copy of your entry will be sent to this email)	sdiez@ambar.es

Project Description:

Provide a brief overview of your project.

Please comment on the problem you propose to solve and the potential societal impact of solving it. This should be understandable and compelling to someone not skilled in the art.

As we all know, the aging of the population is increasing all around the world, this fact will cause important social and political changes and will force health systems to face an important challenge.

The TeDFES project (Technologies and Photonic Devices for Healthy Aging) aims to advance towards “digital health”, improving supervision, diagnosis and actions in elderly people, both in primary or ambulatory care and in residential areas. Based on the studies made in this project, some critical variables will be monitorized in a patient in order to control their aging. Some of these variables will be Cognitive, Cardiac, Neurological and so on. All the sensors are non-intrusive devices. They will be based on photonic technology and will be registered in a Cloud platform that will carry out an analysis, always from the medical point of view.

Have there been any previous approaches to solving this problem (or answering the question)?

Please describe how your idea is original.

The TeDFES project approach presented will ease the access to an evolving ecosystem, as is the Smart Health one, which is currently growing and expanding its horizons, helping actors and stakeholders involved in it achieve their goals and contributing to standardize the way to interact in these contexts. The use of photonic technology to create a solution is the main novelty since previous approaches focusing in this topic employed different means to provide their answers.

**Tell us something interesting about yourself
(and your team)**

Ambar Telecomunicaciones (Ambar) is a Spanish engineering company specialized in the global integration of communication systems, which focuses its activity on the design, installation and maintenance of convergent solutions within the fields of Data Communications, Unified Communications, Security Systems, Image, Managed Services, ... Among its differential values: Research and development of new products; Global integration of systems tailored to our customers; and a Highly qualified, flexible and dynamic human team.

Mr. Roberto García García obtained his degree in Telecommunications Engineering at the University of Cantabria (2000) and obtained an EMBA degree at the ESIC Business School. Mrs. Eneritz Mandaluniz Abarrategui obtained her degree in Telecommunications Engineering at the University of Cantabria in 2003. Between 2004 and 2006, she obtained her degree in Process Management becoming EOQ Environmental Systems Manager and EOQ Quality Systems Manager and worked as a consultant of Quality, Environmental and Occupational Risks Prevention projects. Mrs. Sara Díez del Valle Garzón obtained her degree in Telecommunications Engineering at the University of Cantabria in 2006.

Why do you want to participate in the program and what do you hope to gain from the program?

The main goal pursued by Ambar taking part of this program is basically obtaining some Trainingtraining that will help the company in the near future, learning techniques that will help to maximize the returns of its project.

In the smart city ecosystem, and specifically in the Smart Health context, the different stakeholders perform a more active role: private sector participation is key in project sustainability; citizens can interact directly to city officials and generate useful data coming from digital footprints, social media, and crowd-sourcing; Governments foster the collaboration of different actors. As the stakeholders of novel ecosystems adopt a different role in the value chain, they are forced to reshape their Business models; therefore, smart cities also raise new business models. Now it's the time to find out if initiatives within the Smart Health framework may also derive novel business models.

Last Update	2019-04-17 11:15:59
Start Time	2019-04-17 05:46:45
Finish Time	2019-04-17 11:15:59
IP	81.47.131.213
Browser	Chrome
OS	Windows
Referrer	https://fs24.formsite.com/MITLinQ/idea_spark_application/form_login.html

Registration for IDEA Spark

Reference #	12966515
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Technologies and Photonic Devices for Healthy Aging (TeDFES)
First Name	Eneritz
Last Name	Mandaluniz Abarategui
Preferred name (for name tags)	TeDFES
Institution or organizational affiliation	AMBAR TELECOMUNICACIONES
Degree	MS
Role in Institution	<ul style="list-style-type: none">• Other:• Employee
City	SANTANDER
Country (if US, enter State)	CANTABRIA
Phone Number	942344468
Email Address	emandaluniz@ambar.es
In what way will you be participating in IDEA Spark?	e-communication access only (not participating)
Last Update	2019-04-17 11:17:02
Start Time	2019-04-17 10:42:14
Finish Time	2019-04-17 11:17:02
IP	81.47.131.213
Browser	Chrome
OS	Windows
Referrer	N/A

Registration for IDEA Spark

Reference #	12966513
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Technologies and Photonic Devices for Healthy Aging (TeDFES)
First Name	Roberto
Last Name	Garcia Garcia
Preferred name (for name tags)	TeDFES
Institution or organizational affiliation	AMBAR TELECOMUNICACIONES
Degree	MBA
Role in Institution	<ul style="list-style-type: none">• Other:• Employee
City	SANTANDER
Country (if US, enter State)	CANTABRIA
Phone Number	942344468
Email Address	rgarcia@ambar.es
In what way will you be participating in IDEA Spark?	e-communication access only (not participating)
Last Update	2019-04-17 11:16:53
Start Time	2019-04-17 10:49:25
Finish Time	2019-04-17 11:16:53
IP	81.47.131.213
Browser	Chrome
OS	Windows
Referrer	N/A

Registration for IDEA Spark

Reference #	12966519
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Technologies and Photonic Devices for Healthy Aging (TeDFES)
First Name	Sara
Last Name	Diez del Valle Garzon
Preferred name (for name tags)	TeDFES
Institution or organizational affiliation	AMBAR TELECOMUNICACIONES
Degree	MS
Role in Institution	<ul style="list-style-type: none">• Other:• Employee
City	SANTANDER
Country (if US, enter State)	CANTABRIA
Phone Number	942344468
Email Address	sdiez@ambar.es
In what way will you be participating in IDEA Spark?	In person
Last Update	2019-04-17 11:17:30
Start Time	2019-04-17 11:17:06
Finish Time	2019-04-17 11:17:30
IP	81.47.131.213
Browser	Chrome
OS	Windows
Referrer	N/A