



**European Research & Innovation Project**  
Innovative climate-control system to extend range of electric vehicles and improve comfort

## Interview with **Federica BOERO**

Researcher at TICASS, Italy

.../... I then proceeded with my studies with a PhD in materials science. I presented my thesis with the title "The study of kesterites as materials for photovoltaic devices" at the end of February 2016. And I started my work in TICASS as young researcher the 1st of April 2016, in a totally different field from my studies. My work is principally focused on the laboratory tests for XERIC and for other smaller projects.

### **W**hat objectives do you have to reach to contribute to the XERIC project? How challenging is it?

I started my work in XERIC project at the beginning of April. I am the responsible of the laboratory tests, but I am supported by a very nice team of experts (Professors Capannelli, Nannei, Isetti and Claudia Cattaneo), who are helping me with everything related to the project!

### **W**hat excites you in the XERIC project?

The XERIC project gives me the opportunity to work in team with experts, and to learn a lot of new things. Furthermore, I really like that XERIC is a "green" project!

### **C**an you please tell us a little bit about yourself?

I studied Chemistry at the University of Genoa, the city where I was born and where I live. During my master degree I investigated the phase diagram of a ternary alloy, in collaboration with the University of Vienna, where I stayed 6 months within the Erasmus programme .../...



### **From your perspective, what is innovative with XERIC?**

XERIC is an innovative project because it introduces a new concept in the climate control systems.

### **On a more general note, what is appealing to you in being a researcher?**

In my opinion, a researcher has the possibility to use his/her brain for trying to change something.

**Thanks for answering my questions  
Federica and all the best for XERIC!**

### **What is TICASS?**

TICASS S.c.r.l stands for Tecnologie innovative per il Controllo Ambientale e lo Sviluppo Sostenibile, i.e, TICASS deals with Innovative Technologies for Environmental Control and Sustainable Development. It is a non-profit Consortium based in Italy, in the Liguria region.

TICASS was created in March 2010 by universities, research organizations, small, medium and large companies to promote, disseminate, transfer and enhance activities of research and technology transfer in the field of energy and environment, with a particular focus on sustainable development and quality of life.

### **Role of TICASS in XERIC**

TICASS is carrying work to design and model the three-fluids-combined membrane contactor (3F-CMC) and XERIC's climate control system. The University of Genoa (UNIGE) co-invented and patented the 3F-CMC. The current development within XERIC's framework is supported by these patents.

**[www.ticass.it](http://www.ticass.it)**

### **XERIC in brief**

**XERIC is a European Research & Innovation Project**

**Start date:**  
1<sup>st</sup> June 2015

**End date:**  
31<sup>st</sup> May 2018

**Number of partners: 8**

**Coordinator:**  
Dr. Eng. S. GAETA  
GVS spa  
Italy

**Programme:**  
H2020-GV-2014

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**[www.xeric.eu](http://www.xeric.eu)**

