

## Digital Single Market

News Article01/02/2014

# Finals of the FI-WARE challenges at Campus Party 2014 Brazil

And the winner is...

The [FI-WARE project](#) [1] and [Campus Party](#) [2] have launched a series of contests, which together will distribute more than 800,000 Euros in prizes. A [first contest](#) [3] was held in September 2013 during Campus Party 2013 Europe in London, where FI-WARE challenged Campuseros to build applications on [FI-Lab](#) [4], a live instance of the FI-WARE technologies available to developers for free experimentation with the technology. The potential of the FI-WARE technologies for smart cities has recently been [demonstrated at Santander](#) [5] (see also the [video](#) [6]).

[Two contests](#) [7] were launched end of October 2013, and they focused on:

- [Smart Cities](#) [8]
- [Smart Business & Industry](#) [9]

Both contests handed out 200,000 Euro in prizes. This happened in two phases:

- In the first phase, contestants needed to send in their ideas. Having a proof of concept deployed in FI-LAB would increase chances. On 20 December 2013, the first phase ended. For both contests, 20 proposals were selected to go to the second phase (the final).
- During [Campus Party Brazil](#) [10] in Sao Paulo (27 January - 2 February 2014), the [finalists](#) [11] further worked on their prototypes and made public demonstrations of their results.

### And the winners in the category "Smart Cities" are:

*Smart Cities, first prize:* FI-Guardian, by Marcos Marconi, Viviane Lessa, Leonan Carvalho and Miquéias Faria, from Brazil

Adverse circumstances such as natural disasters are more and more common worldwide. With advance notice and flexibility, people in intelligent cities are well informed of these risk events, providing for a safer environment. The aim of FI-Guardian is to help intelligent cities become more

resistant, aiding in communication, orientation and warning of adverse circumstances such as natural disasters. The solution consolidates tracking system data, centralising information from different sources, and carrying out customisable and intelligent remote sensor analysis, communicating risk events to citizens before they occur.



See also an [article by Globo](#) [12], a [TV coverage by Globo](#) [13], and an [article by Terra](#) [14] about the winner and its background, including the [2011 floods and mudslides](#) [15] in the state of Rio de Janeiro, which resulted in over 900 deaths. Globo also published an [article](#) [16] about FI-Guardian after the Campus Party.

*Smart Cities, second prize:* Sparky App, by Tenoch Gonzalez Rojas, Dulce Ambrocio Alazañes and Alejandro Santamaria Arza, from Mexico

Finding parking in large cities is a nightmare. The Sparky team is building a mobile application and a hardware device to help parking owners share their spaces while not in use and help drivers find a short or long-term parking place.

*Smart Cities, third prize:* FI-WARE Widgets Smart Hub (Smart Box), by Álvaro Romero Izquierdo, Francisco Javier Herrero Sánchez, Raul Herrero Sánchez, Rubén Ortiz, José Ignacio Dominguez Simón and Daniel Castro García, from Spain.

The main objective is to "sensorise" some cities, obtaining a huge source of useful information that consumers can check from their homes through the television screen and a remote control. This team won the first prize at the FI-WARE hackathon in Santander.

*Smart Cities, Most Innovative App:* Smart App City, by Javier Gurría, Ignacio Gurría, Daniel Menchaca, David Martinez, David García, Malta Aldana, Luis Ascorbe and Miguel Garbayo, from Spain.

*Smart Cities, Young Developer:* Smart Zity, by Alberto Martin Alcubierre, César Álvarez Jiménez, Daniel Prol Martín-Ambrosio, Pepe Vila Bausili and Alejandro Céspedes Vicente.

### **And the winners in the category "Smart Business" are:**

*Smart Business, first prize:* FOODLOOP – Save it all, by Christoph Müller-Dechent and Maria Rosario Trillo-Rivas, from Germany

[FoodLoop](#) [17] offers the food industry supply chain and sustainable optimization solutions. Users can automatically commercialize high-quality fresh products, in real time and with lower prices as expiration dates approach so they can avoid waste and reduce costs. Consumers get offers directly to their mobile phones. The entrepreneurs maximize sales revenue while minimizing the loss of perishable products, and provide more affordable fresh food by offering discounts, special offers, etc....



*Smart Business, second prize:* SmarTaxi, by Federico López, Valeriya Zaytseva and Carlos García, from Spain

[SmarTaxi](#) [18] collects data about the location and condition of the vehicle in real time. The data are stored, processed and reach the driver via the Internet. Thus the driver is able to access and view a "heat map" where the colours indicate the points of greatest concentration of potential customers. The only requirement is that the driver has a smartphone or tablet with Internet connection. The Polytechnic University of Valencia project is intended to provide increased income for taxi drivers and a significant improvement of city services.

*Smart Business, third prize:* Context, by Félix Joel López Salcedo and Julio Manuel García Martín, from Spain

Context is a start-up that offers solutions based on the exchange of data through Bluetooth Low Energy (BLE) sensor network services. Its concept is simple: companies interested in these services will be marked by these sensors and will be in constant contact with the user via the app. In turn, the client will benefit from the sensors by being able to get the information he needs or to shop. For example, a user views the app and see some products from different brands that interest him. When he clicks on any product he will get more details and options like adding products to a personal collection, see which friends have it in their collections or buy it, either online or by identifying through GPS which closest stores sell it.

*Smart Business, Most Innovative App:* [FoneSense](#) [19], by Christian Ryder, from Ireland.

*Smart Business, Young Developer:* Cloud Industry 2.0, by Nixon Javier Rondon Rey and Leonardo Elbano, from Venezuela.

See also:

- Press release: [€400 000 in prizes in Europe's biggest app challenge](#) [20]
- Blog post by Neelie Kroes: [Wanted - innovators to take part in Europe's largest app challenge!](#) [21]

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### Links

[1] <http://www.fi-ware.eu/>

[2] <http://www.campus-party.eu/2013/about-cp.html>

[3] <https://ec.europa.eu/digital-single-market/en/news/fi-ware-hackathon-campus-party-2013-europe>

[4] <http://www.slideshare.net/FI-WARE/filab-for-smart>

[5] <http://ec.europa.eu/digital-single-market/en/news/santander-displays-fi-ware%E2%80%99s-potential-smart-cities>

[6] <https://www.youtube.com/watch?v=KpaMz0rTeGM>

[7] <http://www.youtube.com/watch?v=l6b-FXk4F5Y>

[8] <http://www.campus-labs.com/webapp/reto/ver/FIWARE800k?lang=en>

[9] <http://www.campus-labs.com/webapp/reto/ver/FIWARE800k?lang=en>

[10] <http://www.campus-party.com.br/2014/index.html>

[11] <http://www.fi-ware.eu/2014/01/09/selected-teams-fi-ware-challenges/>

[12]

[http://oglobo.globo.com/tecnologia/start-up-de-nova-friburgo-trabalha-em-plataforma-app-para-alertar-usuarios-sobre-desastres-naturais-11318474?fb\\_action\\_ids=10201413713286854&fb\\_action\\_types=og.recommends&fb\\_source=aggregation&fb\\_aggregation\\_id=288381481237582](http://oglobo.globo.com/tecnologia/start-up-de-nova-friburgo-trabalha-em-plataforma-app-para-alertar-usuarios-sobre-desastres-naturais-11318474?fb_action_ids=10201413713286854&fb_action_types=og.recommends&fb_source=aggregation&fb_aggregation_id=288381481237582)

[13]

<http://g1.globo.com/rj/regiao-serrana/rjintertv-2edicao/videos/t/edicoes/v/iniciativa-de-alerta-de-desastres-em-nova-friburgo-rj-concorre-a-premio/3101406/>

[14]

<http://tecnologia.terra.com.br/campus-party-aplicativos-brasileiros-buscam-melhorar-vida-nas-cidades,e14f20cd9b3d3410VgnCLD2000000dc6eb0aRCRD.html>

[15] [http://en.wikipedia.org/wiki/January\\_2011\\_Rio\\_de\\_Janeiro\\_floods\\_and\\_mudslides](http://en.wikipedia.org/wiki/January_2011_Rio_de_Janeiro_floods_and_mudslides)

[16]

<http://g1.globo.com/tecnologia/noticia/2014/02/app-brasileiro-para-evitar-tragedias-ganha-r-250-mil-na-campus-party.html>

[17] <http://www.foodloop.de>

[18] <http://www.smartaxi.me/>

[19] <http://fonesense.com/>

[20] [http://europa.eu/rapid/press-release\\_IP-13-1186\\_en.htm](http://europa.eu/rapid/press-release_IP-13-1186_en.htm)

[21]

[http://ec.europa.eu/commission\\_2010-2014/kroes/en/content/wanted-innovators-take-part-europes-largest-app-challenge](http://ec.europa.eu/commission_2010-2014/kroes/en/content/wanted-innovators-take-part-europes-largest-app-challenge)