

### Future Internet Code Camp Results

Valmiera, Latvia - 9.-12.3.2015

WirelessInfo FIWARE Reference Lab led successful Code Camp in Valmiera, Latvia on 9.-12.3.2015. Within the Code Camp several FIWARE technologies were tested, development of InFoLog FIWARE-based project started and architecture of Pomodore and SmartMaize Smart Agri-Food was reviewed.

The Code Camp focused on three main parts related to FIWARE:

Applications development in Wirecloud  
Messaging Generic Enablers (Orion, Proton, IoT Broker)  
Access Control (Authentication, Authorisation)

**Applications development in Wirecloud** was nice and straightforward. HSLayers map library was used to create map widget, that was connected to the Orion Context Broker. Messages coming from Orion were parsed and displayed on the map:



Three **Generic Enablers related to message processing** were tested: Orion Context Broker, CEP Proton and IoT Broker. Orion was successfully tested for receiving and sending messages, Proton was successfully tested for simple situations evaluation and raising alarms, IoT Broker has not been successfully tested yet and more work still need to be done.

**Access Control** FIWARE tools were investigated and tried. That covers Identity Management, Authorization PEP and Authorization PDP. While Identity Management seems to work, the remaining two were not successfully tested within the Code Camp and more work needs to be done.

**CONCLUSION:** The application part of FIWARE framework is already working nicely for us, most of the messaging GEs have been successfully tested as well. For the remaining parts, especially the Access Control, we are very looking forward to the Developers' week in Brussels, where we hope to get additional experience and knowledge that will lead us to master the remaining components and fill the gaps.