

THE PROGRESS IN CITYPULSE

A significant part of the CityPulse project has been to meet our stakeholders. Throughout the three years the project has lasted, we have participated in several conferences and seminars, and hosted hacklabs and information meetings. We have been in continuous contact with citizens, city stakeholder, SMEs and companies to highlight and evaluate our solutions.

Furthermore, we have held many internal meetings to plan, discuss and execute the technical progress as well as engaging activities. We have developed several components to the CityPulse framework and based on this created a series of smart city scenarios.

Below is an overview of some of our many activities.

What: Aarhus Data Drinks
– Open Data and entrepreneurship
When: October 2014
Where: Aarhus
 CityPulse co-hosted its fifth Aarhus Data Drinks. IoTPeople gave a presentation and we brainstormed on business models and use cases

What: Brasov Alt Festival
When: November 2014
Where: Brasov
 We presented the CityPulse project to the local IT&C community

What: CityPulse GA Meeting
When: December 2014
Where: Osnabrück
 We continued the architecture and integration discussions, and defined the interface

What: CityPulse GA Meeting
When: March 2015
Where: Guildford
 We discussed which scenarios to be further developed based on the 101 scenarios tool

What: Aarhus Data Drinks
– Open Data: Geo and maps.
When: March 2015
Where: Aarhus
 CityPulse co-hosted its seventh Aarhus Data Drinks. This time a data owner from the municipality presented how it is to deliver data to odaa.dk. Furthermore, the winners from Open Culture Days presented their winning use case

What: CityPulse Integration Meeting
When: May 2015
Where: Galway
 We integrated the different components into the complex CityPulse Framework

What: How to start your start up
When: May 2015
Where: Brasov
 We presented CityPulse to the local new entrepreneurs

What: IoT Week
When: June 2015
Where: Lisboa
 The CityPulse framework version 1 (not containing all the components) was presented at IoTWeek for a large IoT audience

What: Alt start – mentoring and coaching event
When: June 2015
Where: Brasov
 We presented CityPulse to the local new entrepreneurs

What: Siemens SmartCity Lounge
When: 14 June 2016
Where: Vienna, Austria
 We demonstrated the outcomes of smart city projects to Siemens research partners and representatives of the City of Vienna

What: MWC Barcelona
When: Februar/March 2016
Where: Barcelona
 CityPulse was selected for the EU pavilion and as relevant project in IOT area and showcased toward a wide audience (both European Commission representatives and interested participants) which generated fruitful discussions

What: Kista Mobility Week
When: April 25-29, 2016
Where: Stockholm/Kista
 Ericsson presented CityPulse and the three CityPulse use-cases (under development at Ericsson research) in the Kista Mobility Week. The audience of this event has been Internal Ericsson units, as well as some external companies (e.g. General Electric, Nobina) and some universities. Many of the visitors have since shown interest in this work

What: CityPulse GA Meeting
When: March 2016
Where: Granada
 Further scenario integration and started evaluation of components/framework

What: CityPulse framework final version
When: September 2016
 CityPulse framework is finalised and is used to develop prototypes in various domains

What: Brasov Alt Festival
When: October 2015
Where: Brasov
 We presented CityPulse to the local IT&C community

What: CityPulse Brasov bus scenario finalized
When: September 2016

What: CityPulse IEEE Access paper
When: April 2016
 We created a place where the users can find a concise description of the prototype components

CityPulse is part of the City of Aarhus' smart city portfolio, which means it is continuously presented to other city authorities and public organisations

A hackathon is proposed to take place in Brasov during the spring of 2017; it will make use of the data that will be made available through the CKAN platform by the city hall and the 101 scenarios for the development of new smart city apps

Academic and research groups will continue the research and experimentation towards higher impact and will design/publish training and research material to showcase the results of the CityPulse project and present further opportunities and developments

FUTURE

During Internet Week Denmark in spring 2017 in Aarhus the City of Aarhus will present the scenarios for a large audience at DOKK1, the main library in Aarhus

SMEs in Aarhus, Brasov and Vienna will be presented to the CityPulse Framework and scenarios in a hands-on workshop. Some will start to further develop and work on the material that is freely available on Github

Based on the CityPulse project a new project is taking its form. This project will focus on... large ecosystem of data-driven applications and innovations for smarter cities and connected communities. Fundamental research on key challenges such as large-scale IoT information search and retrieval and IoT stream processing and information extraction will be also considered

The industrial partners will use the results in the future demonstration and ongoing product and service design



Want to follow the next steps in CityPulse? Please, visit the CityPulse website: www.ict-citypulse.eu

What: CityPulse Kick-off
When: September 2013
Where: Guildford
 CityPulse started September 2013 and we were ready for take off

What: Aarhus Data Drinks - Open Data and Hacktivism
When: April 2014
Where: Aarhus
 CityPulse co-hosted its second Aarhus Data Drinks. This time focus was on Open Data and hacktivism. Open Space Aarhus lent us their workshop space

What: Ontology Validation Service and Quality Ontology finalised
When: April 2014

What: Aarhus Data Drinks - Open Data and Hacktivism
When: April 2014
Where: Aarhus
 CityPulse co-hosted its third Aarhus Data Drinks. This time focus was on Open Data and entrepreneurship and we met in Start Up City Ceres

What: Atomic Monitoring finalized
When August 2014

What: Launch of the 101 Scenario Evaluation Tool
When: September 2014
 We launched the Scenario Evaluation Tool where citizens and city stakeholders could evaluate which scenarios they would find more suitable for their cities and lives

What: Aarhus Data Drinks - Open Data: The Use case edition
When: October 2014
Where: Aarhus
 CityPulse co-hosted its sixth Aarhus Data Drinks. The Danish Business Authority presented their Open Data portal virk.dk – also based on CKAN. Furthermore, the winners from the Danish hacklab Hack4DK presented their winning use case

What: Aarhus Data Drinks - Open Data and Healthcare
When: September 2014
Where: Aarhus
 CityPulse co-hosted its fourth Aarhus Data Drinks. This time focus was on Open Data and healthcare. Many people showed up and the discussions where heavy

What: CityPulse GA Meeting
Where: Brasov
When: September 2014

What: Open Culture Days
When: February 2015
Where: Aarhus
 Close to 40 students spent 3 days competing with each other in creating the most innovative Open Data solutions focusing on cultural data. The winners created an historical data explorative app called City Stories and they received a complete start-up package in order to turn their winning project into a startup company

What: ITG Fachtagung Mobilkommunikation
When: May 2015
Where: Osnabrück
 We presented the CityPulse demonstration to visitors of our local conference

What: CityPulse GA Meeting
When: June 2015
Where: Vienna, Austria
 We had a poster session with a short presentation of other smart city projects from Siemens, followed by discussions

What: Workshop
When: August 2015
Where: Aarhus + Brasov
 We discussed the CityPulse outcomes and the potential benefits with the city stakeholders from Aarhus and Brasov

What: Ressource Manager component finalised
When: July 2015

What: Social Media Analyser component and CityPulse 3D Map finalised
When: November 2015

What: CityPulse framework final version 1
When: December 2015
 The CityPulse framework final version and first prototype was complete and ready for implementation

What: Twitter campaign
When: January 2016
Where: Aarhus
 We launched a Twitter campaign in Aarhus, to gather twitter feeds in Aarhus for the Social Media Analysis prototype

What: CityPulse GA Meeting
When: November 2015
Where: Galway

What: Data Quality Explorer finalized
When: January 2016

What: Smart city in the making event – an event focusing on sharing knowledge from three EU-projects
When: May 2016 during Internet Week Denmark
Where: Aarhus
 We presented the learnings and experiences from CityPulse to the local community

What: Composite Data Quality Monitor component finalized
When: August 2016

What: Open Energy Days
When: September 2016
Where: Aarhus
 We participated at and co-hosted together with Open Data DK and The Danish Business Authority the hacklab with a case on the 3D Map, which students and entrepreneurs could work on. Over 100 students and entrepreneurs participated throughout the weekend

What: Evaluating workshops
When: September 2016
Where: Aarhus and Brasov
 We tested and had several evaluating workshops where we presented the use cases developed in CityPulse for city stakeholders and the local networks