

Bottom-up Broadband Pilots in Europe (C4EU 5.1.2: Report on Selection of Opportunities and Projects - b)

Name Name, and Name Name

Abstract

This is the abstract

Index Terms

Bottom-up-Broadband (BuB), wifi, super-wifi, fiber, sensor networks

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This pilot is focused on deploying a sensor network which would gather real time data from the environment, such as air quality, noise pollution, etc. This information would be then uploaded to an open data portal to make it publicly available. The ultimate objective of this project is to let developers use this data to build applications that can improve the daily lives of the citizens.

At the time of writing some key decisions have been made. ZigBee is an open source protocol which focuses on low energy consumption and it will be used to establish the connection between the sensor nodes. Also, these nodes will be working on top of the open source prototyping platform Arduino which is commonly used to deploy wireless sensor networks nowadays.

V. THE FREE EUROPE WIFI PILOT

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VII. THE RUBI PILOT

The Rubi pilot consists of the design, implementation, testing and documentation of optical fiber in Rubi, but by some troubles, it has occurred delays in the implementation of fiber in Rubi, therefore without leaving aside this pilot we will realize a project called FFTx. This project will consist to implement the optical fiber over Bottom-Up Broadband (BuB) model.

The FFTx name is because the study includes the main fiber deployments -FFTH/FFTF/FFTP Fiber From The Home/Farm/Premises. To begin the project, we will do a study the BuB model, an investigation of existing fiber types and the advantages that they have over others transmission media. We will do too a comprehensive study on how the optical

fiber in Gurb was implemented -Gurb is a municipality where has been successfully implemented the optical fiber over BuB model. Finally we will look for the possibility to carry out the implementation of optical fiber over this model in different municipalities (eg Rubi).

VIII. CONCLUSION

And this is the conclusion.

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