Pilot Charter — FFTx

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1 Opportunity/Idea

The optical fiber is a technology that day to day is being extended and implemented in different cities thanks to its high transmission speed and reliability. Companies need of such technology to increase the productivity and the homes used it to be better on the internet, watch high definition movies, videoconference and work.

There are populations excluded -e.g. village with low population- where telecommunication operators (ISP) do not deploy their networks to offer services because their business model does not allow them to make benefits and less if they deploy technology such as optical fiber. Therefore, a new idea of a new business model came up: Bottom-up Broadband (BuB), where the infrastructure is implemented by people who will use the service and it does not depend on the limitations of the operators. Gurb (municipality of Osona) was the first to implement the optical fiber under BuB business model with a great success because several companies and homes have broadband.

The opportunity presented is to study how the optical fiber was implemented in Gurb under this new model and simulate a possible deployment in others municipalities, so we will extend the use of fiber optic and we will provide high speeds to companies and homes.

2 Description/Intention

- Know all the features of the Bottom-up Broadband model

- Perform a detailed study of how the optical fiber was implemented in Gurb

- Try to simulate the deploy of optical fiber in towns/cities under BuB model

- The project will be called FFTx (Fiber From The Farm/Home/etc.) against the previous FTTx model (Fiber To The Farm/Home/etc.)

3 Goal

- Analyze the viability to implement the optical fiber under BuB model in different scenarios

4   Objectives

- Understand all the features of the Bottom-up Broadband model

- Perform a detailed study of the Gurb to learn how the fiber optical was deployed under BuB model

- Simulate Gurb successful case in other municipalities

5   Stakeholders and Sponsors

- Guifi.net foundation

- *Commons for Europe*

- Universitat Pompeu Fabra

6   Schedule

https://dl.dropbox.com/u/13949761/FTTx_gantt_v2.html

7   Risk

The new model requires that people who will use the service pay the cost of the infrastructure and deploy, therefore it requires the participation of a large number of users and it is difficult for everyone to agree if previously they have not been well informed.