

INTERREG IVB

10th Call for proposals

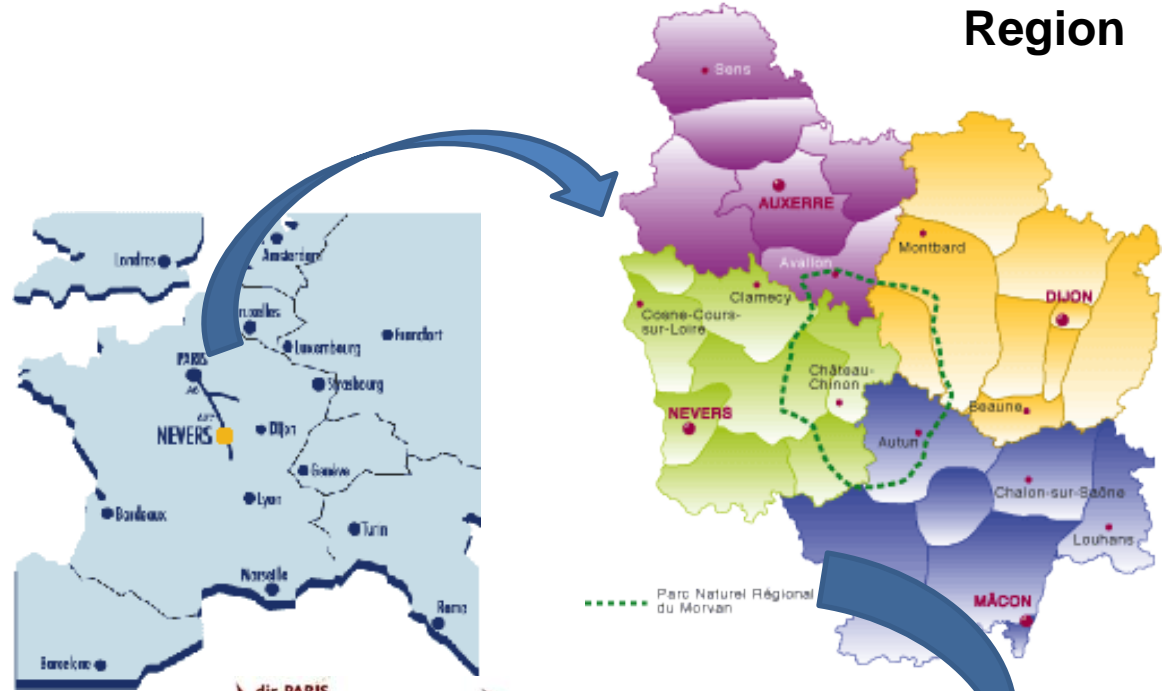
“Rural broadband Project”





Nievre County

Burgundy
Region

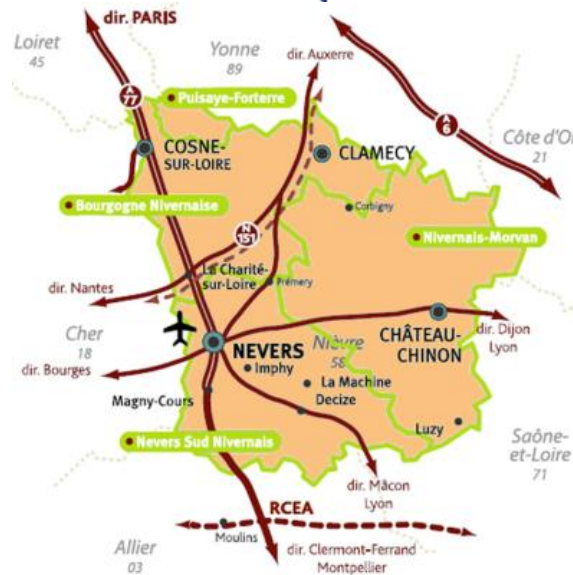


Nièvre County

-200 km south from Paris
-221 000 inhabitants. 40 %
of the population of the
county live in rural areas.

Main activities :

- tourism
- wood industries
- car manufacturing
- Agriculture (breeding and wine production).





The public broadband in Nièvre



Our high speed local network combines a 600 km optic-fibre backbone with WiMax technology and satellite solutions.

We are now able to provide at least 2 Mbts to more than 99% of the population of the county.

- Key data :**
- 600 km optic fibre backbone
 - 38 open access phone exchange stations
 - 53 Wimax base stations
- Are connected to the public high speed broadband :**
- 312 towns
 - 158 public bodies
 - 48 business parks
 - 600 private companies can be connected as they are near to the backbone
- Financial data (Millions of euro):**
- 25.8 € public funds
 - 16 € Nièvre Council and Nevers Area
 - 4 € Europe
 - 5.6 € Burgundy Regional Council
 - 0.2 € French State
 - 16.1 € private funds



Wireless solutions rural areas

We deployed 53 WiMax base stations



- a **high coverage** of rural and semi-urban areas (30 % of the rural population). Today, more than 3 000 people are connected to the public high speed broadband thanks to the WiMax technology.

- **802 16 e standard** that allows now an increasing speed of Internet and a best coverage of the rural areas.

- Also, in the last weeks, Niverlan experimented a **WiMax usb key** with a group of doctors so as they can get in touch with their patients at any point of the countryside, even where the cellular phones don't work.

A WiMax license was given to Niverlan by the French Regulator Authority (ARCEP)

4 WiMax providers

Satellite solutions

Despite all our efforts to connect people to the Internet with aDSL or with the WiMax technology, some houses are so remote that we had to add a satellite solution to complete our broadband offer.





European Union
European Regional Development Fund

ENGAGE

Niverlan is LP of a interreg IVC project in the same topic. We could share the result of the IVC project in this IVB application.



The overall objective of the ENGAGE project is to help rural regions across Europe to better understand and address the issue of “How to build a high speed broadband (HSB) network at efficient cost in rural areas” in order to make sure that the requisite are fulfilled for the maintenance or even strengthening of local populations and economic activities.



Satellite in Nièvre

A complementary solution to Wimax and Wifi to cover white zones in addition to ADSL.

SCHEMA DU FONCTIONNEMENT SATELLITE

