GOBIERNO DE ESPAÑA
MINISTERIO DE HACIENDA
SECRETARÍA DE ESTADO DE PRESUPUESTOS Y GASTOS
DIRECCIÓN GENERAL DE FONDOS EUROPEOS

GOBIERNO DE ARAGON

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BUENAS PRÁCTICAS
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ARAGON'S NEW GENERATION BROADBAND EXTENSION PROJECT, "CONECTARAGÓN", IN THE FIVE ARAGONESAS REGIONS OF THE PRE-PYRENEES

Telecommunications Service of the General Directorate of Electronic Administration and Information Society

Programa Operativo de Aragón

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ARAGON'S NEW GENERATION BROADBAND EXTENSION PROJECT, "CONECTARAGÓN", IN THE FIVE ARAGONESAS REGIONS OF THE PRE-PYRENEES.

DESCRIPTION

The operation "New Generation Aragón Broadband Extension Project, ConectAragón" in the five Aragonesas regions of the Pre-Pyrenees, consists of the deployment, operation, maintenance and commercialization of an access network and electronic communications transport to allow access of broadband services of at least 30 megabits per second (Mbps) in the areas of the Pre-Pyrenees of Aragon with which access, to date, was non-existent or of very low quality, in particular, in the Comarcas de Cinco Villas, Hoya de Huesca, Somontano de Barbastro, Cinca Medio and La Litera.

It is a fundamental operation inasmuch as the extension of broadband in these territories is a basic instrument to achieve the structuring of the territory, reduce the distances and the time allocated to procedures.

In Aragon, advanced broadband services and the infrastructures to support them were found in the most densely populated areas, while they were inadequate or non-existent in other areas that are not commercially attractive to electronic communications operators. This left citizens and companies on part of the territory without the possibility of having adequate access to broadband and the services it offers. For this reason, it has been wanted to bring High Capacity Broadband services to any population in the territory, especially in the so-called White Zones, which are those areas in which until now it had not been profitable to deploy them for private operators.

Thanks to technological progress and development, it will be possible to introduce services such as online sharing of medical records (which include very voluminous high definition images), remote medical imaging, in sectors such as healthcare. (for the exchange of radiological diagnoses), telemedicine and telecare. E-learning is also expected to grow rapidly, thanks to services such as virtual training, distance labs, networked digital libraries and virtual meeting points. As well as, electronic Administration services, etc. As a consequence of this situation, a notable increase in broadband capacity, speed and connectivity services is needed compared to the current situation.

The amount executed for this operation, to date, is 5,276,162 euros, with the help of the ERDF of 2,638,081 euros, which has allowed a total of 13,624 Aragoneses to have Broadband services of at least 30 Mbps and 47 educational centers in the designated territorial area.

This performance is considered a Good Practice because:

1. **The action has been conveniently disseminated among the beneficiaries, potential beneficiaries and the general public.**

   The action has been disseminated through the website of the Telecommunications Service of the General Directorate of Electronic Administration and Information Society of the Government of Aragon, and the specific website of the operation, where the citizen can -in an interactive way- consult the execution of the operation by municipalities and educational centers, according to your preference.

Web Page Gobierno de Aragón:

Web Page "CONECTARAGON":

Likewise, a plate has been placed in each of the Network Interconnection Points of ConectAragón:

Similarly, the Government of Aragon has carried out an important online press communication campaign to publicize the new services offered by the Broadband extension in Aragon, let's see some examples:

Web Page Government of Aragon:

Estás en: Portada | 2018 será el año clave para la extensión de la banda ancha en Aragón

miércoles, 13 de marzo de 2019

domingo, 07 de enero de 2018 | Economía y empresa | Empleo y formación | Tecnología e innovación | Educación e investigación

(107) Me gusta | Compartir | Imprimir

2018 será el año clave para la extensión de la banda ancha en Aragón

Finalizará el Plan ConectAragón y comenzará el proyecto Todos, que realizan las diputaciones de Huesca, Zaragoza y Teruel junto con Gobierno de Aragón

Aragón se convertirá en una comunidad pionera en servicios de banda ancha

Tags:

Aragón, banda ancha, ConectAragón, conectividad, innovación, internet, investigación, red, TODOS, universidad

El año que comienza va a ser decisivo en Aragón para la extensión de la banda ancha. Por un lado, porque finaliza el Plan ConectAragón, y por otro, porque se inician los trabajos de puesta en marcha del Plan TODOS Banda Ancha. Con la finalización de estos proyectos y sumado a los planes de las operadoras, Aragón será pionera en Europa en contar con el 100% de su población y municipios conectados a banda ancha para finales de 2019, adelantándose a la fecha dada por la Comisión Europea que establece alcanzar este objetivo en 2020. El acceso a Internet de alta velocidad es uno de los objetivos prioritarios del Gobierno de Aragón para hacer frente a la despoblación del territorio.

Tal y como estaba previsto, ConectAragón finalizará su extensión en 2018. En estos momentos, más de 300 localidades aragonesas y 315 centros educativos cuentan ya con servicio de banda ancha. El plan establece 348 localidades y ya se encuentran en servicio 105 de la provincia de Huesca, 92 en la de Zaragoza y 109 de Teruel. En cuanto a centros educativos, de un total de 351, ya están en funcionamiento 79 en Huesca, 126 en Zaragoza y 110 en la provincia de Teruel. Previsiblemente, al finalizar el primer semestre de 2018 el plan estará ejecutado por completo. ConectAragón permite que llegue la banda ancha a alrededor de 100.000 habitantes, con conexiones de al menos 30 Mbps. En los centros educativos las velocidades de conexión son de entre 50 y 100 Mbps. Para la realización de ConectAragón se realiza una inversión de 36´5 millones de euros y está cofinanciado con Fondos Europeos FEDER. Se enmarca en el PO FEDER Aragón 2014-2020, bajo el lema "Construyendo Europa desde Aragón".

On the other hand, and in order for the public to know the new services that the Broadband development allows in Aragon, the different media of the Autonomous Community have echoed the success of this operation co-financed under the OP ERDF Aragon 2014-2020:

Heraldo de Aragón

La banda ancha llega al 95% de localidades y centros del Plan ConectAragón

ConectAragón establece conexiones de al menos 30 megas en las localidades y de entre 50 y 100 para los centros educativos. Ha contado con una inversión de 26´5 millones de euros y está cofinanciado con Fondos Europeos FEDER, dentro del PO FEDER Aragón 2014-2020 'Construyendo Europa desde Aragón'.

Diario del Alto Aragón

La alta velocidad de internet llega a 110 núcleos de la provincia

Con la finalización de estos proyectos y sumado a los planes de las operadoras, "Aragón será una de las primeras comunidades de Europa en contar con el cien por cien de su población y municipios conectados a banda ancha para finales de 2019", adelantándose a la fecha marcada por la Comisión Europea que establece el objetivo en 2020.

ConectAragón establece conexiones de al menos 30 megas en las localidades y de entre 50 y 100 para los centros educativos.

Ha contado con una inversión de 26,5 millones de euros y está cofinanciado con Fondos Europeos Feder, dentro del Programa Operativo Feder Aragón 2014-2020 "Construyendo Europa desde Aragón".

Similarly, at the national level, the Broadband extension operation in Aragon has had an impact given its pioneering nature. Let's see, some examples:
Expansión

Un año clave para la extensión de la banda ancha a todo Aragón

Tal y como estaba previsto, ConectAragón finalizará su extensión en 2018. En estos momentos, más de 300 localidades aragonesas y 315 centros educativos cuentan ya con servicio de banda ancha. El plan establece 348 localidades y ya se encuentran en servicio 105 de la provincia de Huesca, 92 en la de Zaragoza y 109 de Teruel. En cuanto a centros educativos, de un total de 351, ya están en funcionamiento 79 en Huesca, 126 en Zaragoza y 110 en la provincia de Teruel. Previsiblemente, al finalizar el primer semestre de 2018 el plan estará ejecutado por completo. ConectAragón permite que llegue la banda ancha a alrededor de 100.000 habitantes, con conexiones de al menos 30 Mbps. En los centros educativos las velocidades de conexión son de entre 50 y 100 Mbps. Para la realización de ConectAragón se realiza una inversión de 365 millones de euros y está cofinanciado con Fondos Europeos FEDER.

Likewise, and given the relevance of the operation, other means of communication have been used in order to be able to disseminate the benefits derived from it with full quality. In this case, even with a **vídeo** that allows you to understand the origin, the measurements and the results achieved:

And, finally, the broadcast format has also been adopted in specialized magazines on the subject, such as **Aragón Investiga**:

19 mar

Casi el 95 por ciento de las localidades y centros educativos del plan ConectAragón se encuentran ya en fase de servicio

El Plan ConectAragón encara su recta final y finalizará su extensión en los próximos meses. En estos momentos, 320 de las 348 localidades que incluye el plan cuentan ya con el servicio de banda ancha; en cuanto a centros educativos, ya están en servicio 325.

En el desglose por provincias, ya se ha llevado el servicio de banda ancha a 96 localidades de la provincia de Zaragoza, 110 de Huesca y 114 de Teruel. Por centros educativos, en la provincia de Zaragoza ya se encuentran operativos 131, 80 de la provincia de Huesca y 114 de la turolense.

El plan ConectAragón permite que llegue la banda ancha a alrededor de 100.000 habitantes. El Gobierno de Aragón trabaja ya junto con las diputaciones provinciales en el Plan Todos Banda Ancha. Un plan diseñado con las diputaciones de Huesca, Zaragoza y Teruel para llevar el servicio a núcleos pequeños que no figuraban dentro del ConectAragón y que tiene en cuenta las tecnologías más sostenibles para cada núcleo. Además, se estudia la estrategia a seguir para que los polígonos empresariales de Aragón dispongan de conexiones de alta capacidad. El acceso a Internet de alta velocidad es uno de los objetivos prioritarios del Gobierno de Aragón para hacer frente a la despoblación del territorio. Con la finalización de estos proyectos y sumado a los planes de las operadoras, Aragón será una de las primeras comunidades de Europa en contar con el 100% de su población y municipios conectados a banda ancha para finales de 2019, adelantándose a la fecha marcada por la Comisión Europea que establece el objetivo en 2020.

ConectAragón establece conexiones de al menos 30 megas en las localidades y de entre 50 y 100 para los centros educativos. Ha contado con una inversión de 26´5 millones de euros y está cofinanciado con Fondos Europeos FEDER, dentro del PO FEDER Aragón 2014-2020 "Construyendo Europa desde Aragón".

2. **The performance incorporates innovative elements**.

The project makes the network available to any telecommunications operator so that they can provide the service, both direct and indirect access, respecting technological neutrality by enabling services provided through various telecommunications technologies, wireless networks, etc. all this at the lowest possible cost by taking advantage of existing networks.

It should also be taken into account that the singularities of the area on which the intervention has been made has required the implementation of technologies that ensure, on the one hand, the development of the operation and, on the other, allow the incorporation of measures to minimize its impact on the landscape. in respectful sites in the matter, as well as the environmental sustainability of the devices placed in attention to the climatic and other diversities.

3. **Adequacy of the results obtained to the established objectives.**

With the execution of this action, as already mentioned, satisfactory results have been achieved, reaching 13,624 Aragoneses with broadband access of at least 30 Mbps and 47 teaching centers in the aforementioned territorial area. In this way, the objectives of the action are met, promoting the deployment of New Generation Broadband networks and services, particularly in sparsely populated areas and promoting market unity.

4. **Contribution to the resolution of a problem or weakness detected in the territorial scope of execution.**

For the Autonomous Community of Aragon, one of the most affected by the problem of depopulation in Spain, the fact that the municipalities of Aragon have a broadband connection is the objective that the Government of Aragon has set as part of the strategy to combat this situation. In particular, as has been pointed out, the action benefits a geographical area with significant demographic challenges, that is, the pre-Pyrenean area of the region, which shows a very low demographic density in large areas, a strong population dispersion and high aging.

All the Network Interconnection Points of ConectAragón have the availability of indirect access from the beginning of their commissioning. The Project thus enables the advance fulfillment of the objectives of the European Digital Agenda in Aragon.

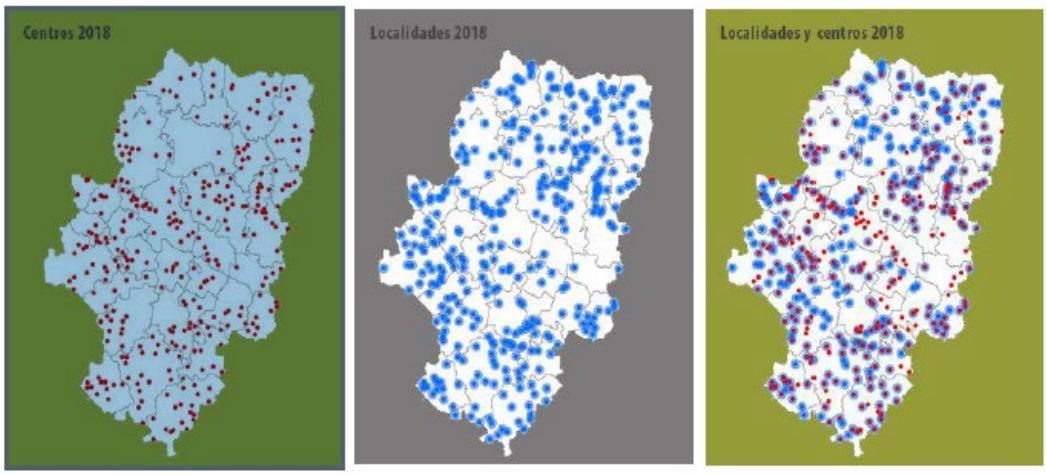
In addition, the improvement of digital connectivity throughout the territory of Aragon makes electronic administration, electronic health, electronic commerce, electronic learning, electronic inclusion, electronic culture, that is, access for all possible. to Digital Growth.

5. **High degree of coverage of the target population.**

The action is aimed at the population of the Autonomous Community and, in particular, the 5 Regions indicated in the presentation of this Good Practice. Specifically, it is aimed at households in the municipalities of Aragon. To do this, the number of inhabitants of the areas in which it acts, the so-called White Zones, is taken and divided by the average number of inhabitants per household, thus obtaining the number of Aragoneses benefited by the action and that, therefore , they will have access to the Internet with a download speed of at least 30 Mbps, when before they had more limited access or had no access at all.

With the ConectAragón Project, coverage of at least 30 Mbps will be provided to 348 population centers, which in population terms means reaching nearly 100,000 population.

These population centers are all located in the so-called White Zones, that is, those in which, due to their difficult access and / or low population density, there is neither nor is it foreseeable that private operators will offer Bandwidth coverage.



6. **Consideration of horizontal criteria of equal opportunities and non-discrimination, as well as social responsibility and environmental sustainability.**

The project indistinctly favors the entire population of the connected nuclei since any person in them will be able to use the services provided by the operators. All people, regardless of gender or age, will benefit equally. Favoring the possibility of greater and more effective access to the use of Information Technologies and Telecommunications, always implies the appearance of new opportunities for access to the labor market in accordance with equal opportunities policies.

Regarding environmental sustainability, there is no doubt that the existence of better telecommunication networks represents an undeniable support in the fight against risk situations for the conservation of the environment. On the other hand, in this project the use of existing infrastructures has been prioritized, as far as possible, which, in addition to economic savings, implies a reduction in the environmental impact of new deployments.

7. Synergies with other policies or instruments of public intervention.

The deployment phase of the ConectAragón project is complemented by the development of new initiatives that allow to continue increasing the percentage of coverage of new generation broadband services.

Among them, the "All Aragón Broadband" Plan stands out, designed in close coordination with the Provincial Councils of Aragon with the aim of covering White Zones of Aragon not covered by ConectAragón. This Plan will involve, in the province of Huesca, the connection of 321 population centers.

Other initiatives that can also be cited are the New Generation Broadband Extension Program, of the Central Government.

The objective pursued with these initiatives is to accelerate the extension of the coverage of public electronic communications networks capable of providing high-speed and very-high-speed broadband services to areas without current or planned coverage in the near future. years, which will make it possible to improve the functionality and quality of digital services and thereby increase the well-being and quality of life of citizens, contributing to the success of a sustainable growth model in the territory, at the same time that it will reduce the distances between companies, citizens and public administrations.

Regarding the business fabric, the organization of congresses, fairs and ICT events in Aragon has been supported; A series of events has been organized, among others, on the importance of social networks in the Aragonese productive sectors, specifically in those of transport, wine, tourism, employment, sports, banking and governance, and actions have been developed to reinforce the Aragonese ICT system, promoting innovation through collaboration between companies in the sector, universities, clusters and other agents of the innovative system.

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