



Una manera de hacer Europa



The Lubián-Taboadela subsection belonging to the Madrid-Galicia High-Speed Line Adif High-Speed

Programa Operativo Plurirregional de España

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Fondo Europeo de Desarrollo Regional

The Lubián-Taboadela subsection belonging to the Madrid-Galicia High-Speed Line is submitted as Good Practice

This Good Practice involves the construction works of the base or platform on which places one of the two tracks (on its left track) and the necessary facilities for the railway traffic that will connect Lubián to Taboadela, and it has been carried out mostly in tunnels due to the complex orography of the area.

The eligible cost of the works included in this action amounts to 160,3 million of euros with a European Regional Development Fund (ERDF) co-financing amount of 128,2 million of euros that will contribute to an annual average saving of 128.000 tonnes of CO2 emissions from passengers who will use the train instead of more polluting means of transport, once the Olmedo-Santiago high-speed line is completed.



Subtramo Lubián - Taboadela

The action has been suitably disseminated among potential beneficiaries and the general public.

Works included in this Operation comply with the statutory obligations on communication in contract notices, trackside screens and their inclusion on the website of ADIF High-Speed.



Trackside screen

Website of ADIF High-Speed

In addition to the fulfilment of the statutory obligations, the action has been disseminated on regional televisions through news and micro-advertising spots inserted during the television programming, noting

the importance of the contributions of the European Regional Development Fund (ERDF) in its construction and indicating the investment co-financed and the aid received.







News

Micro-advertising spot





A dissemination campaign was also launched through newspapers in Galicia and Castilla y León with the publication of advertorials, banners that connect to the online flier and providing advertising inserts.



Advertorial

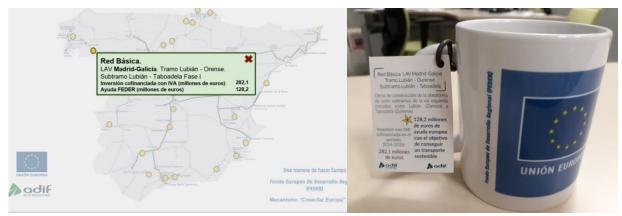
Advertising insert



Online flier

On the following link the flier can be viewed https://spark.adobe.com/page/p2mXZ1CZUUEsP/

Finally, this action was disseminated in FITUR 2019. The cost of co-financed investment and the aid from the European Regional Development Fund (ERDF) was reported to visitors through an interactive touch screen and the merchandising gave as a present.



Interactive touch screen

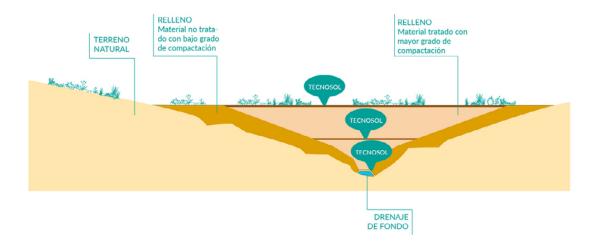
Merchandising

The action incorporates innovative elements

The most innovative element incorporated in the action is the use of "tecnosoles". The "tecnosoles" are a mixture of materials extending on the ground encapsulate the extracted materials of the tunnels' excavation. It helps to prevent the soil contamination and promoting the growth of new vegetation in the area.

The "Tecnosoles" are custom made according to the prior analysis of the materials to be extracted, effectively avoiding the polluting effect.

Innovación para la sostenibilidad ambiental de la infraestructura



The results obtained are adapted to the target established

ADIF High-Speed develops projects respecting the environment and protected natural spaces with strict environmental criteria. In order to achieve these objectives in the construction of the Lubián-Taboadela subsection, a research work was carried out in collaboration with the University of Santiago in which were defined the specific characteristics of the soils and as a conclusion of all the studies and tests carried out, an alternative treatment of excavated materials was proposed through use of "tecnosoles". This in turn contributes to a circular economy because in their production are also used recycled materials.

Contribution to resolving a regional problem or weakness

The railway connection between Castilla y León and Galicia has been conditioned by a rugged terrain that has complicated the railway connections with the center of the peninsula being essential this Good Practice for the connection of the provinces of Zamora and Ourense and thus completing the high-speed connection of Madrid with Galicia.

This Good Practice will allow an important improvement in speed, reliability, comfort and travel time saving in an hour, as well as a great opportunity for social and economic development for Galicia by promoting territorial cohesion, boosting the economy, contributing to an improvement in competitiveness and job creation.

High degree of coverage of the target population

This Good Practice is the last link to complete the Madrid-Galicia high-speed line because the Lubián-Taboadela subsection means the entry of the line in Galicia and this will give access to the four of the five most important Galician cities, providing coverage to the inhabitants of the region. In the same way, if all the travel relationships generated between Madrid and Galicia are considered, the beneficiaries are more than 10 million inhabitants of the provinces that the line runs.

Consideration of horizontal criteria of equal opportunities and environmental sustainability

In addition to complying with the Ethics Code of ADIF High-Speed and selecting the companies that have carried out the construction works included in this Good Practice through open and public processes, the tunnels of the route have adequate facilities in accessibility, which are necessary to evacuate all passengers on equal opportunities, of course including people with reduced mobility.

Environmental sustainability is one of the three main pillars of the strategy of ADIF High-Speed, so the environment and the climate are Strategic Objectives for the development of the railway as the mode of transport less polluting, evidenced by the research work carried out in collaboration with the University of Santiago for the soils of the Lubián-Taboadela subsection and according with its conclusions, the "tecnosoles" has been used for the treatment of the extracted material of the tunnels' excavation, avoiding the contamination of the soils and promoting the growth of new vegetation in the area.



Using of the "tecnosoles" in extracted materials from the tunnel of Espiño

Synergies with other policies or instruments of public intervention

An aspect which need to be consider is that this action belongs to the Madrid-Galicia High-Speed Line, and this line forms part of the Transeuropean Transport Basic Network and the European Commission has the main aim of completing it by 2030. That is why this project has been supported by the Commission and especially the Madrid-Olmedo section has received specific aids for transeuropean networks and support has also been received from the European Regional Development Fund (ERDF) and the European Cohesion Fund since 2000.

The Olmedo-Lubián section received support from the DG Move in the 2007-2013 period, and during this period the European Regional Development Fund (ERDF) also contributed to the construction of the Lubián-Ourense section on its right track, which is complementary to what is now presented as Good Practice.





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