

Una manera de hacer Europa



BUENAS PRÁCTICAS

Actuaciones Cofinanciadas

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**Programa Operativo
Plurirregional de España**

Año 2022

Fondo Europeo de Desarrollo Regional

The action “PROJECT FOR THE IMPLEMENTATION OF SANITATION AND PURIFICATION OF URBAN WASTEWATER” is presented as a Good Practice. AMARGUILLO RIVER BASIN. PERFORMANCES IN CONSUEGRA”

The action benefits the municipality of Consuegra (Toledo) which, together with Villafranca de los Caballeros and Madridejos, form part of the set of actions that the state trading company Aguas de las Cuencas de España (ACUAES) is developing to improve the sanitation and purification of the area of the Amarguillo River, whose waters nourish the Tablas de Daimiel National Park.

Effluents from the different agri-food industries located in Consuegra are discharged into this river. These discharges contain a large amount of organic matter and nutrients that must be eliminated due to the location of a sensitive area downstream, the aforementioned Parque de las Tablas de Daimiel.

To achieve this goal, a new treatment plant has been built in Consuegra that includes a pretreatment designed to treat a flow equivalent to five times the average flow and new biological treatment systems that enable the removal of nutrients. The action also includes the connections of the new installation with the municipal collectors.

WWTP CONSUEGRA



The total investment in the Consuegra project amounts to 3.7 million euros, with ERDF aid equivalent to 1,8 million of the investment.

It is considered a Good Practice because:

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

Different communication actions have been carried out with the aim of making the general public aware of the co-financing of the treatment plant project with the ERDF, highlighting the role of European aid for the development of Spain and its regions. .

Work poster and plaque



Panel for the act of signing the agreement with the City Council on December 11, 2018



Several media outlets echoed the event (La Tribuna de Toledo, El Día Digital and El Semanal de La Mancha).



El presupuesto de licitación de la EDAR de Consuegra asciende a 4,4 millones de euros y el de Villafranca de los Caballeros a 3,1 millones de euros. Las citadas infraestructuras serán cofinanciadas por Acuaes, ambos Ayuntamientos y el Fondo Europeo de Desarrollo Regional FEDER 2014-2010, dentro del Programa Operativo Plurirregional de España (POPE).

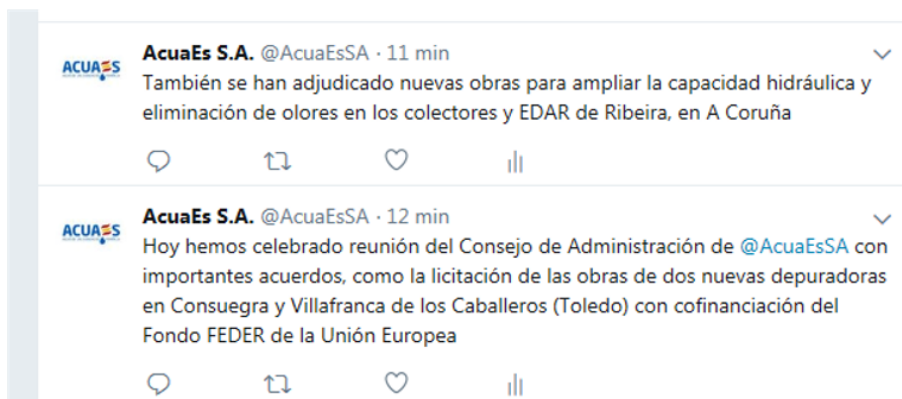
On the occasion of World Water Day, on March 22, during the years 2020, 2021 and 2022, two advertisements have been published in the newspaper with the largest circulation in the province, the Toledo Tribune, with the motto With Europe, our waters cleaner, mentioning, among others, the new Consuegra WWTP.



Informative brochure of the action



Through social networks such as Twitter, messages have been sent highlighting the co-financing of the ERDF.



Video that has been projected on the ACUAES website and on the social networks YouTube and Twitter Interviews with neighbors and businessmen were included, who expressed their gratitude for the co-financing of the works by the FEDER Fund.

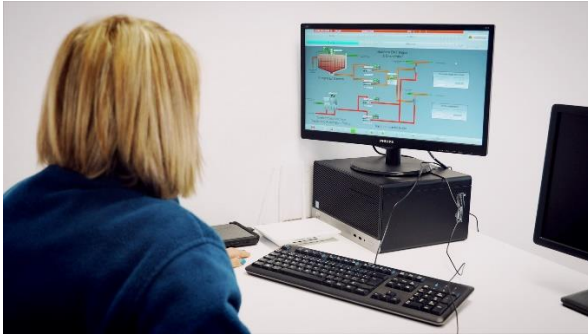
<https://youtu.be/hlDSohxqTKg>

2. The action incorporates innovative elements

The innovative nature of the action focuses on the installation of a biological reactor and the automation of the purification process.

The first reduces the concentrations of nitrogen and phosphorus present in the wastewater, two of the fundamental elements to be eliminated in order to discharge the treated water into the Amarguillo River in suitable conditions.

Likewise, automation through the SCADA system allows the treatment plant to operate only when necessary, thus ensuring that energy consumption is adjusted (energy efficiency), based on oxygen demand, which varies by hours.



SCADA system

3. Adaptation of the contents to the objectives pursued

The objectives pursued in this action are mainly based on meeting the requirements of the Water Framework Directive through investment in sanitation infrastructure, purification and improving the quality of receiving water masses and associated ecosystems.

With the execution of the action, these objectives have been achieved, since, through the purification of wastewater, it is subjected to a series of physical, chemical and biological processes, through which the polluting elements are reduced, until they adopt admissible values. for discharge into the riverbed, in compliance with current regulations on wastewater treatment.

4. It contributes to the resolution of a regional problem or weakness.

The conservation of the Tablas de Daimiel National Park implies the recovery of the Mancha Occidental aquifer, where the Park is located, and the improvement of the quality of the surface waters, including the Cigüela River and its tributary. , the river Amarguillo.

Wastewater from the municipalities of Urda, Consuegra, Madridejos, Camuñas and Villafranca de los Caballeros is discharged into this river, incorporating agrifood-type effluents with a strong component of organic matter and nutrients through their collectors.

Consuegra lacked an efficient treatment for municipal wastewater discharges, thus having water pollution problems. With the execution of the work, a high quality of treated water is achieved and compliance with the quality objectives set in the Water Framework Directive.

5. It has a high degree of coverage over the population to which it is directed

The construction of this infrastructure covers the needs of the population to which it is directed, 22,500 inhabitants-equivalent, but also, as described above, this infrastructure forms part, together with the rest of the projected infrastructure, of the sanitation network and purification of the Amarguillo river basin, which will benefit 73,000 population-equivalents, thus achieving a wide degree of coverage over the general population of this basin, which covers 5 municipalities as a whole.

6. The horizontal criteria of equal opportunities and environmental sustainability have been taken into account

The development of this action has taken into account environmental sustainability criteria by having minimized the environmental impact of the facilities, also avoiding the spread of bad smells and noise.

The horizontal criteria of equal opportunities have been taken into account, since the action benefits the entire population without any discrimination, facilitating access to information for those who do not have computerized means, through the distribution of brochures in places with a high influx of citizens.

The contracts associated with this action have been tendered through an open procedure, thus guaranteeing equal opportunities for companies interested in being awarded the contracts.

7. Synergies with other policies or instruments of public intervention

The action has synergy with the project that ACUAES has developed in the municipality of Villafranca de los Caballeros, whose WWTP is already in operation, and with those that will soon be carried out in Madridejos and Quintanar de la Orden, with the aim of contributing to the sanitation and purification of the Amarguillo river, whose waters flow into the Parque de Las Tablas de Daimiel. All actions will be co-financed with the FEDER Fund 2014-2020.

This action is added to the fulfillment of the different actions foreseen in the Program of Measures of the Hydrological Plan of the Guadiana Demarcation and the National Plan for Water Quality, whose objectives are shared with the Water Framework Directive, such as the improvement of the quality of water bodies and their sustainable management.

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