INText

Newsletter nº 01 MAR 2021

INTensive-EXTensive resource recovery from wastewater in small communities

www.life-intext.eu

LIFE INTEXT is a project co-funded by the European Union under the LIFE Programme Grant Agreement nº. LIFE18 ENV/ES/000233

Total budget **2,926,547 €**
UE contribution **1,596,470 €**
Duration **4 years**
From **01/07/2019** to **30/06/2023**
Location **Talavera de la Reina (Toledo) and Carrión de los Céspedes (Seville)**

Project partnership:

Aqualia *coordinator*
Aimen
Aarhus University
Autarcon
Centa
Future Intelligence
Projar
Syntea

To keep updated, please follow us in our social networks!

@Life_INTEXT

Highlights

LIFE INTEXT demonstration plant will be soon under operation to provide technologically advanced solutions based on innovative hybrid technologies that will modify the classic paradigm of wastewater treatment in small communities and support the path towards circular economy.

Overview of the project

The Project will create a technological platform located in the Talavera de la Reina wastewater treatment plant (Toledo), in which 16 innovative extensive / intensive hybrid technologies will be developed for the treatment of wastewater from small towns with resource recovery, with the following main objectives:

- Robustness of treatment systems against environmental changes (winter-summer) and polluting / industrial loads
- Reduction of investment and maintenance costs
- Reduction of occupied area <1m2 / he
- Measures and evaluation of the reduction of greenhouse gas emissions.
- Assessment of removal of emerging pollutants
- Disinfection and reuse of water
- Development of a decision support system (DSS) based on life cycle analysis
- Validation of technologies widely used in northern and central Europe

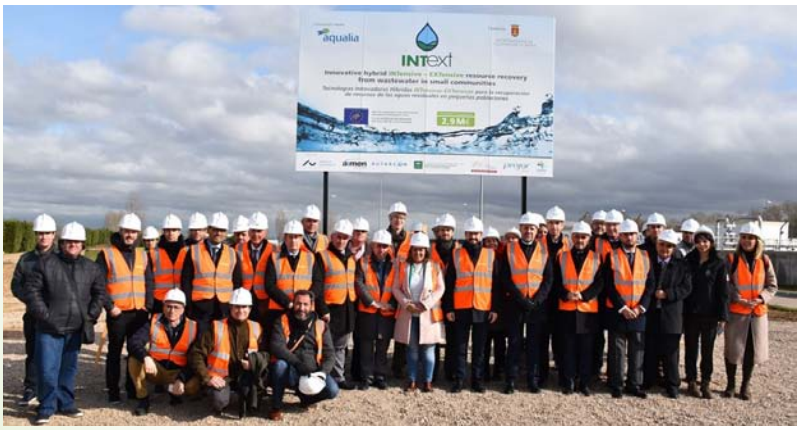
Two of the technologies will also be implemented in the CENTA Foundation experimental plant in Carrión de los Céspedes (Sevilla), with the aim of implementing the pool of innovative technologies for small populations existing in the plant.

INTEXT

Newsletter nº 01 MAR 2021

Public presentation of the LIFE INTEXT project

The European project LIFE INTEXT was presented on January 22, 2020 in the town hall of Talavera de la Reina (Toledo), where different municipal personalities participated and visited the WWTP and the project works.



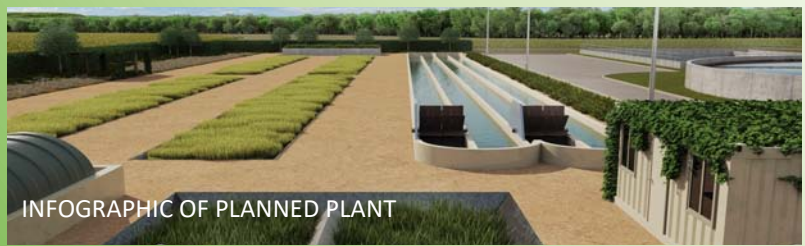
Project Meetings

Three project meetings have been organized so far. The **Kick Off meeting** of LIFE INTEXT project took place in Talavera de la Reina on the 3rd October 2019. The second and third meetings were held online in April and December 2020 due to Covid-19 mobility restrictions and were attended by representatives of the 9 partner entities of the project. A review of the status of all the project tasks and the progress of the implementation and construction activities both in Talavera and CENTA plants was carried out. As well, communication, dissemination and management issues of the INTEXT project were also discussed.

Project implementation

LIFE INTEXT works in Talavera de la Reina started on June 2020 with no delay despite the pandemic situation. Civil works have suffered certain delay during the last months of 2020 due to the heavy rainfalls. However, works are progressing as scheduled and start-up is expected to take place at mid-2021.

Works in CENTA facilities will start in March 2021 and are expected to end in summer.



Replication of INTEXT concept in Granada

Aqualia has proposed the implementation of technologies based on INTEXT project to improve several small WWTPs in the province of Granada. These improvements will be firstly implemented and tested in Gor WWTP (Granada), currently based on peat filters, and then will be replicated to other plants with similar treatment systems. The solution is based on implementing hydrid two-step systems with vertical wetlands in order to improve water quality and minimize sludge production.

INTEXT DISSEMINATION

LIFE INTEXT project in the LIFE BACTIWATER final conference

Santiago Cuervo from AIMEN presented the LIFE INTEXT project at the final conference of the LIFE BACTIWATER project, which was held online on December 1, 2020

LIFE INTEXT in the 8th International Congress on comprehensive water management and treatment

Juan José Salas from CENTA participated in the Congress that was held between 5 and 13 of November 2020 and presented the experimental plant of LIFE INTEXT project.

CENTA presents LIFE INTEXT in the Forum of the World Environment Day 2020 Perú

Juan José Salas from CENTA invited to participate in the Virtual Forum of the World Environment Day 2020, that took place on 5th of June 2020, by the College of Engineers of Peru. He lectured on the topic "Nature-based technologies for wastewater treatment", using the LIFE INTEXT project as an example.

RELEVANT WATER EVENTS FOR 2021

SmallWat21 Congress

On June 17th and 18th of 2021, the 4th SmallWat21 Congress will be held, dealing with wastewater treatment in small agglomerations in rural and peri-urban areas.

LIFE INTEXT project will be presented as an innovative experience in the field of purification of small populations.

IWA Digital World Water Congress

The world congress of the International Water Association has been postponed to 2022. The programme includes a workshop about INTEXT project.

Meanwhile, a previous digital congress will be held from May 24th to June 4th. Zouhayr Arbib from Aqualia will present the poster: **INT**ensive-**EXT**ensive resource recovery from wastewater in small communities.