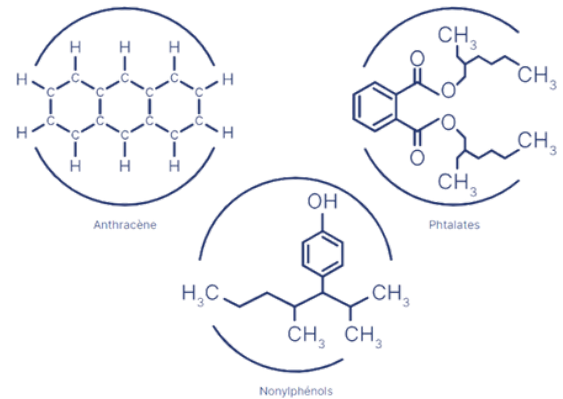


RECYCLO's target pollutants

The aim of the Life RECYCLO project is to enable laundry effluent to be reused in the washing cycle. This water can contain various types of pollutants, including :

- detergents (surfactants, nonylphenols) added during the washing process,
- products extracted from the linen, such as flame retardants, waterproofing agents (PFAS), hydrocarbons, plasticisers (DEHP) and heavy metals.



Project news



Girona station, one year later

One year after the installation in our Catalan partners *Grup Fundacio Ramon Noguera*, **the pilot plant will be removed from the laundry**. It will have treated almost **2 m³ of effluent each day**. COD elimination is stable and we have **achieved the target we had fixed** during the 12 months of monitoring (at least 90% reduction of all controlled micropollutants).

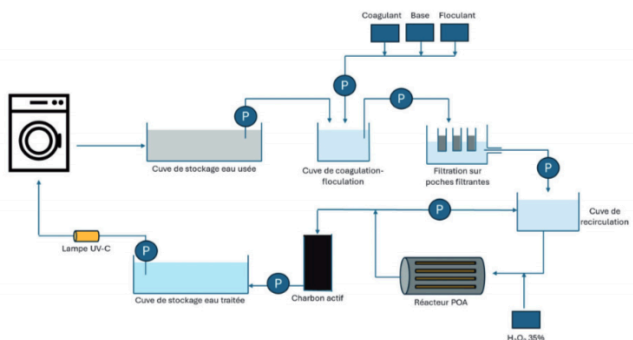
The treated wastewater has shown that it can remove stains from linen in a **similar way to mains water**.

Some technical achievements

- During this study, 17 micropollutants were detected in the wastewater from this laundry. All of these compounds were removed by more than 95% by the pilot plant.
- The advanced oxidation stage removes completely bacteria such as *E. coli*, total coliforms and intestinal enterococci.
- The treatment removes most of the synthetic (microplastics) and natural microfibres. During the first two stages of treatment, more than 90% of the microfibres are removed.

Dissemination of the project

Treewater recently participated in the "**Écogeste**" day, organised by Pop'Sciences and the University of Lyon, to discuss good environmental practices. Always committed to the dissemination of knowledge, Treewater has also published a **scientific article** in ASTEE's **TSM** (Technique, Science, Méthodes) magazine, highlighting the progress of the Life RECYCLO project.



You could find RECYCLO at :

4 professional conferences:

- Journées Information Eau: 8-10 October 2024 in Les Sables-d'Olonne (85)
- Salon URBH: 9-11 October 2024 in Orléans (45)
- Euromed Montpellier Conference: 29 October 2024 in Montpellier (34)
- Pitch Transition Forum: 12 November 2024 in Paris (75)

1 event for the general public:

- Eco-friendly business meetings: 13 November 2024 in Passy (74)



More information

To be continued

The construction of the pilot plant for our Luxembourg partners, the KLIN laundry, is under way.

Tests to eliminate microplastics will continue on effluents from the KLIN and Blanchisserie Saint Jean laundries.

You can find us here:

We look forward to seeing you in 2025 for upcoming events.
Stay tuned for our latest news!

Agenda

Follow us on social media:



@LifeRECYCLO



@life-recyclo

And keep up to date with all the latest news on our website: <https://www.treewater.fr/en/recyclo>

