

# BROKERAGE EVENT IN HORIZON EUROPE

## ENERGY TOPICS

**4 MOTORS FOR EUROPE**  
**3<sup>rd</sup> June**

**CETAQUA**  
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## The capture of GHG emissions from wastewater treatment plants (WWTPs)

- **Project idea:**  $\text{N}_2\text{O}$  is released during the nitrogen removal from wastewater, and  $\text{CH}_4$  can be emitted to the atmosphere during anaerobic processes. Cetaqua is interested in developing strategies to capture and concentrate both  $\text{N}_2\text{O}$  and  $\text{CH}_4$  emissions from WWTPs; solutions to remove these GHGs, including biological and physical treatments; and technologies and processes to valorise  $\text{N}_2\text{O}$  (e.g. propellant).
- **Experience:** Cetaqua has experience in the measurement of GHGs from WWTPs ( $\text{N}_2\text{O}$ ,  $\text{CH}_4$  and  $\text{CO}_2$ ) and deep knowledge on the conditions which promote their emissions from WWTPs. Cetaqua has experience in biological and physical gas treatments. The close network of Cetaqua includes companies with high expertise in gas treatment (Labaqua) and several wastewater treatment operators.
- **Previous projects:** LIFE AQUAENVEC and CARBOLOCKDOWN (measurement of GHGs from WWTPs; capture and valorisation analysis of GHGs); LIFE Nimbus and LIFE COSIN (GHGs emissions valorisation)
- **Keywords:** WWTP, GHG emissions,  $\text{N}_2\text{O}$ , methane, energy

- **Topic:** HORIZON-CL5-2021-D2-01-10:  
Technologies for non-CO2 greenhouse gases removal
- **Role:** Partner (core team)
- **Other partners:** AIMPLAS, Suez Group
- **Looking for:** Experts on the capture and removal of fluorinated gases; Experts on the capture of other GHGs emissions

Contact us!

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