



“RECOVERING CARBON FROM CONTAMINATED MATRICES BY EXPLOITING THE NITROGEN AND SULPHUR CYCLES”



RECYCLES
Recovering carbon from contaminated matrices by exploiting the nitrogen and sulphur cycles

Integrating C/N/S cycles in environmental technologies

19th, 20th and 21st of January 2021

GA: 872053 — H2020 - MSCA - RISE-2019

Organisation:

Collaboration:



RECYCLES online workshop: Integrating C/N/S into innovative environmental technologies

During the 19th, 20th and 21st of January 2021, the **RECYCLES** project successfully brought the first online workshop “**Integrating C/N/S cycles into innovative environmental technologies**”, mainly organized by **UNIFI** and **UAB** (Giulio Munz, David Gabriel & Dani González).

Different **researchers from all the RECYCLES partners** presented their outstanding work on carbon, nitrogen and/or sulphur cycles integration into biotechnologies for waste, wastewater and waste gases treatment to more than **100 participants**. Moreover, the final session, organized by Cecilia Polizzi from UNIFI, included a **practical training in mathematical modelling of wastewater treatment using SUMO software** addressed to all the RECYCLES partners.

In the upcoming days, all the presentations will be uploaded to our official website, and the video records will be in our YouTube channel in the near future. Stay tuned!



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 872053.



Stay tuned and follow all the updates of the RECYCLES project

The RECYCLES consortium manages different **tools for the promotion and dissemination** of all the activities and actions related to the project:



<https://recycles-h2020.eu/>



[@RecyclesEU](https://twitter.com/RecyclesEU)



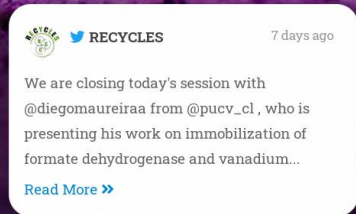
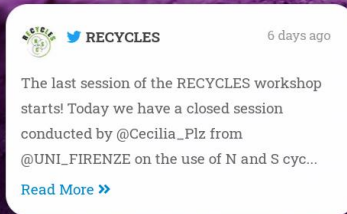
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Chiara Pasqualetti is now seconded in AERIS Tecnologías Ambientales

Chiara Pasqualetti, PhD in Biology from the **Università di Pisa** is performing a secondment in **AERIS Tecnologías Ambientales S.L.**, which will last until July 2021. By providing her expertise in microbiology, she will focus on understanding the **sulphate reduction** process taking place in a lab-scale **UASB reactor** and characterizing the **microbial communities** found in it.

Ongoing secondment in Italprogetti Spa

Dani González, PhD in Environmental Science and Technology from **Universitat Autònoma de Barcelona** is now seconded in **Italprogetti Spa** until the end of March 2021. The objective of his secondment is to set the basis of a future **database on characteristics of liquid and gaseous streams** from tannery wastewater treatment processes, which will be further used for modelling and decision support purposes.



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Participation of the RECYCLES project in the webinar “Present & future of the biological treatment of gaseous streams”

The past 18th of December 2020, the [Catalan Water Partnership](#) together with [GENOCOV](#) research group from **Universitat Autònoma de Barcelona** organized the webinar “Present & future of the biological treatment of gaseous streams”. The RECYCLES project coordinator, **David Gabriel**, presented the main concept and objectives of the project to a mixed audience from private sector and academia.

You can find more information in the following link:

<http://www.cwp.cat/watertalks-presente-y-futuro-del-tratamiento-biologico-de-gases/>



PhD student Jimmy Martínez starts his secondment in UAB

Jimmy Anderson Martínez, PhD student from **Pontificia Universidad Católica de Valparaíso** (Chile) is now seconded in **Universitat Autònoma de Barcelona**. His main goal is to test an innovative system for the **production of acetate and ethanol through CO₂ reduction** using the microorganism *Clostridium autoethanogenum*, conceived in **WP1**.

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The RECYCLES Consortium

Eight different international partners from both academia and industrial sectors conform the [RECYCLES Consortium](#), all with a high expertise in different fields, what enlarges the technical and scientific capabilities of the RECYCLES Consortium.

By clicking on the partners logos you will find out more information about them and their activities.



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Next RECYCLES newsletter

The next RECYCLES newsletter will be online in June-July 2021, gathering all the information related to the activities performed within the RECYCLES project, stay tuned!



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