LIFE16 ENV/ES/000242

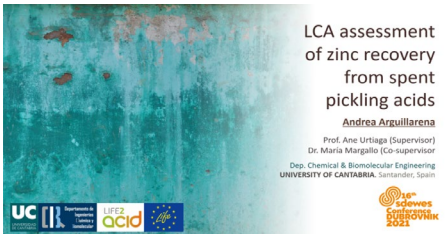
LIFE-2-ACID: Towards a sustainable use of metal resources in the galvanic industry

Newsletter 9
Dec 2021

DISSEMINATION & OUTREACH ACTIONS

Presence in SDEWES 2021

The LIFE-2-ACID project has been presented at the 16th Conference on Sustainable Development of Energy, Water and Environmental Systems (SDEWES), which took place from 10 to 15 October. The University of Cantabria participated with an oral communication entitled "LCA assessment of zinc recovery from spent pickling acids" The work presented assesses the environmental impacts and resource use of the LIFE-2-ACID technology.



Presence in LIFE 2021 Info Day, Valencia

Last September, the Info Day of the new LIFE 2021 program in the Valencian Community, took place. The conference, organized by REDIT and the Valencia Chamber of Commerce, was aimed at companies, public and private organizations interested in submitting proposals and participating in projects. AIDIMME, as beneficiary partner of the LIFE-2-ACID project, had the opportunity to present the problems addressed in the project and the application of the expected results to the market.

Presence in ECOFIRA 2021

AIDIMME, participated from October 5 to 7 in the International Fair of Environmental Solutions "ECOFIRA 2021", contributing to the dissemination of the LIFE-2-ACID project. The event took place at the Valencia Fair, with technical visitors from both the private and public entities interested in waste treatment and sustainable development.

Presence in EUROSURFAS 2021

AIAS attended Eurosurfas, the international surface treatment meeting held in Barcelona from September 14 to 17, where they provided information about progress and results of the LIFE-2-ACID project.

Presence in RSEQ Symposium 2021

LIFE-2-ACID project has been presented at the Symposium of the Royal Spanish Society of Chemistry 2021 held between 27 and 30 September. The University of Cantabria participated with a scientific poster entitled "Recovery of zinc and iron from spent pickling acids: A life cycle perspective".

Presence in the ECCE/ECAB 2021

LIFE-2-ACID project has been presented in the 13th European Congress of Chemical Engineering and 6th European Congress of Applied Biotechnology, which took place on 20-23 September. The University of Cantabria participated with an oral communication entitled "Materials circularity from spent pickling acids".

Presence in the LCM Congress 2021

LIFE-2-ACID Project has been presented in the 10th International Conference on Life Cycle Management (LCM), held during last 5-8 September. The University of Cantabria has participated with an oral communication entitled "Consequential vs. attributional approach to the LCA of zinc recovery from spent pickling acids".

ACTIVITIES

Final monitoring meeting

The final monitoring meeting of the LIFE-2-ACID project took place on December 14 at the CEOE-CEPYME facilities in Santander, Cantabria. The meeting was attended by representatives of all entities participating in the consortium, as well as the external monitor of the NEEMO Team and the Project Manager Officer appointed by Brussels. The advances in the actions contemplated in the project were discussed, including the most relevant technical advances in terms of validation of the technology developed, the efforts of valorization of zinc products and iron chloride in the galvanizing industry and in WWTP stations and the associated environmental benefits.

LIFE-2-ACID FINAL EVENT

The final event of the LIFE-2-ACID project was held last December 15 in the auditorium of the CEOE-CEPYME Cantabria, in Santander. The objective of the event was to disseminate the results and the most significant achievements of the project. It also featured an extremely interesting round table where the partners from the galvanizing and water treatment sectors were able to share their views on the potential transferability of the project's results to industrial reality, reaching a consensus about the great opportunity of this technology in terms of circularity and associated environmental benefits in a global context of progressive increase in the prices of raw materials.

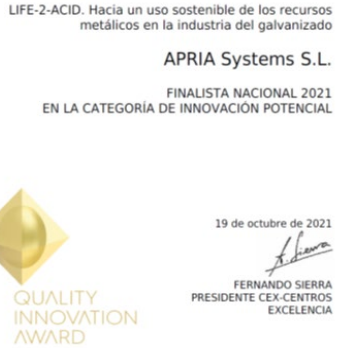
PUBLICATIONS

- ✓ Arguillarena, A., Margallo, M. Urtiaga, A. (2021). **Carbon footprint of the hot-dip galvanization process using a life cycle assessment approach**, Cleaner Engineering and Technology, 2, 100041.
- ✓ A. Arguillarena, M. Margallo, A. Urtiaga, and A. Irabien (2020). **Life-cycle assessment as a tool to evaluate the environmental impact of hot-dip galvanisation**, Journal of Cleaner Production, 290, 125676.
- ✓ AIAS Bulletin October 2021 Volume N129

PRIZES

LIFE-2-ACID finalist in QIA Prizes

LIFE-2-ACID has become a national finalist for the Quality Innovation Awards (QIA), in the Potential Innovation Category. Quality Innovation Awards is a competition created in 2007 to promote innovative projects in companies and organizations, create synergies among them, and give local and international recognition to the most innovative projects.



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- ✓ For more information, please contact the Project Manager: javier.pinedo@apriasystems.es

- ✓ Now you can see our promotional LIFE-2-ACID video