



LIFE16 ENV/ES/000242

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

Newsletter 2
Jun 2018

LATEST NEWS PROJECT LIFE-2-ACID

Roll-up

A dedicated roll-up for LIFE-2-ACID project has been prepared to maximize and complement the dissemination activities performed. The roll-up is accessible via this [link](#).

Presence in LIFE 2018 Infoday

LIFE 2018 funding programme was launched last spring, and in Cantabria and Comunidad Valenciana regions were invited to expose the latest projects funded. In Cantabria, the partners MARE and APRIA presented the project, while in Comunidad Valenciana the responsible of the presentation was AIDIMME. In both events, there was an opportunity to present LIFE-2-ACID project.

Dissemination in AIDIMME

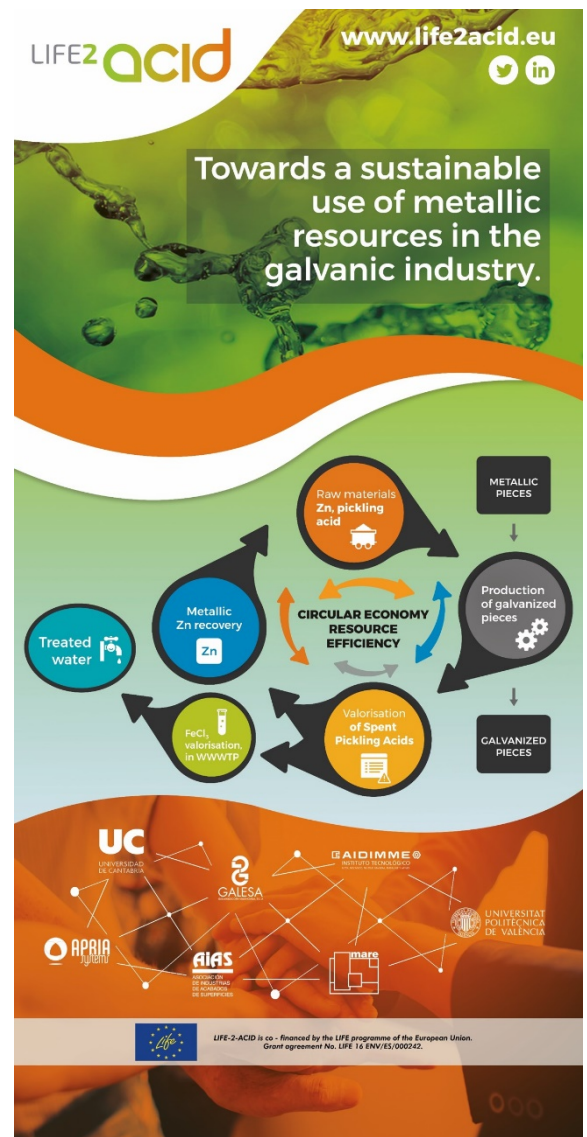
An informative poster about the project is located in the headquarters of AIDIMME, summarizing the objectives, expected results and partners, aiming to increase the visibility of the project.

Attendance to BIEMH 2018

The International Machine Tool Biennial 2018 (BIEMH 2018) was held on May 28 to June 1, 2018 at the BEC in Barakaldo, Bizkaia. The BIEMH was attended by more than 42,000 people from 61 countries attend. The LIFE-2-ACID project, through its partner AIAS, has been presented at the fair.

AIAS assembly

AIAS assembly was attended by most of their associated, and this opportunity was taken to disseminate the main objectives and expected impacts of LIFE-2-ACID project



www.life2acid.eu



ACTIVITIES

Baseline for the galvanizing process

An online survey has been elaborated and distributed to different galvanizing actors through the EU. The survey served to: i) identify the spent pickling acid composition, both in terms of recoverable materials and any other impurities present ii) determine their interest in the application

Physico-chemical analysis of samples

Action A1.3 is progressing. SPA samples collected are being periodically characterized. Information about major elements including free acid, iron and zinc content is used for dimensioning the pilot demonstration unit. Analysis of minor metals, organic load and ammonia, among others will provide novel knowledge on this type of residue.

Pilot plant design completed

The full design of the pilot plant, consisting of membrane-based solvent extraction (MSBX) coupled with zinc electrowinning, has been already finished, leading to the subsequent commissioning of the material for its construction.

Life Cycle Assessment

The analysis of the environmental impacts of hot dip galvanizing has started. Cradle to grave LCA methodology will allow quantifying the benefits of zinc and iron recovery from SPAs.

Attendance to Euromembrane 2018

Next July, several partners will disseminate the project in Euromembrane project, specifically:

- Membrane-based liquid extraction as a key technology for secondary zinc recovery from spent pickling acids A. Urriaga, I. Ortiz, J. Pinedo, P. Gómez
- Scale-up of a membrane electrochemical reactor for zinc recovery from spent pickling baths. J. Carrillo-Abad, M. García-Gabaldón, E. Ortega, A.M. Urriaga, V. Pérez-Herranz

PUBLICATIONS

AIAS Newsletters

- ✓ N113: <http://www.centrem.cat/ecomu/upfiles/aiasrevista/fitxers/A625.pdf>
- ✓ N114: <http://www.centrem.cat/ecomu/upfiles/aiasrevista/fitxers/A700.pdf>

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-  www.linkedin.com/in/life-2-acid-project-95848114b/
- ✓ For more information please contact the Project Manager: javier.pinedo@apriasystems.es

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