PERFORM and LIBERATE lead the webinar: Organic Electrochemistry. Towards a sustainable Chemical industry in 2030

- *The two European projects join forces to address the industry innovations regarding the use of biobased feedstocks, as well as the new challenges ahead.*
- *The online seminar will count with lectures from renowned experts like Àngels Orduña Cao, Executive Director of A.SPIRE, or Professor Siegfried R. Waldvogel, from the Johannes Gutenberg-University Mainz, among others.*

Madrid, May 27, 2021. The **PERFORM** (PowER platFORM) and **LIBERATE** (Lignin Biorefinery Approach using Electrochemical Flow) initiatives, projects under the European Commission Horizon 2020 SPIRE (Sustainable Process Industry through Resources) programme will hold, on June 10, 2021, a webinar entitled *Organic Electrochemistry: Towards a sustainable chemical industry in 2030.*

For four hours, from 13:30 to 17:30 (CEST), both projects will review the current state of the Electrochemical industry and will showcase the ongoing innovations that will lead to a reduction of CO_2 emissions from the production of chemicals due to the efficient utilisation of biobased feedstocks and renewable energy.

The webinar will be structured in three different sessions. The first one will consist of three plenary lectures by renowned experts from the area like Àngels Orduña Cao, Executive Director of A.SPIRE; Professor Siegfried R. Waldvogel, from the Johannes Gutenberg-University Mainz, and Carl-Friedrich Hoppe, from Evonik Industries.

For its part, the second session will address the challenge of using biobased feedstocks as a chemical source with presentations that will tackle the use of low-cost lignin feedstocks in high-value bio sustainable chemicals, among others.

Finally, the third session will count with different speeches regarding the new challenges the electrochemical industry faces, for example, the development of added value products by electrocatalytic oxidation of biobased platform molecules: the case of glucose oxidation; or Greening API manufacturing with electro-organic synthesis.

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More information and registrations on: http://organicelectrochemistry-register.com/

About PERFORM

The expected impact of the PERFORM project derives from its multi-level approach that includes a combined integration between electrification, reduction of process complexity, avoiding the use of coreactants through system integration, innovation in processes and bio-based use of feedstocks, as well as the development of a flexible PowerPlatform pilot plant platform.

PERFORM is expected to contribute to technology development to reduce the environmental impact of the chemical industry. The technology developed in PERFORM will reduce CO_2 emissions from the production of chemicals due to the efficient utilization of renewable bio-based feedstocks and renewable energy. It will also be essential for a future sustainable society that uses local resources.

www.performproject.eu

About LIBERATE

The LIBERATE project aims at designing an electrochemical plant to demonstrate the commercial opportunities of converting low-cost lignin feedstock into high-value bio sustainable chemicals such as vanillin, antioxidants, or polyamide. Thus, its main objectives are:

- Electrochemical depolymerisation of kraft lignin to synthesise vanillin with a 7% yield.
- Electrochemical depolymerisation of organosolv lignin to synthesise mixed phenolic derivate oligomers with a yield of > 35%.
- Electrochemical oxidation of bio sustainable cyclohexanol derivatives to synthesise propyl adipic acid with a yield of up to 80%.

www.liberate-project.eu

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