



Press Release, January 31, 2017

SuperBIO developed its first new and innovative value chains!

[SuperBIO](#) is an innovation project (Horizon2020) supporting SMEs in the bio-based economy. SuperBIO aims to bring new cross-border and cross-sectoral industrial value chains closer to the market. SMEs can receive professional innovation services 75% funded by SuperBIO. It has a fast and efficient submission and evaluation procedure. Since its start in summer 2016, the project has already developed three new and innovative value chains with EU companies:

This press release can also be read [here](#)

Producing more biogas from paper making residues by using Epicellulyse XT

Episome Biotechnologies is a Turkish enzyme development company. They developed an industrial enzyme mixture (Epicellulyse XT) that transforms long cellulose chains in paper sludge to shorter ones. The resultant material becomes pumpable and suitable for digestion by methanogenic bacteria. Flanders Biobased Valley connected them with Sappi Lanaken Mill, a Flemish Pulp and Paper Manufacturer and OWS, a Flemish biogas operator in order to investigate the added-value of their technology in this case. They exchanged samples to test the enzyme mix and to determine the biogas potential and Episome received support in regulatory landscape analysis with NNFC and economics as well as market research with nova-institute.

Murat Balaban (Episome Biotechnologies): Joining SUPERBIO enhanced and accelerated our efforts to spread our technology to important business partners in the EU region.

Developing a biorefinery business case on citrus peel waste

PeelPioneers, a Dutch start-up, has a clear goal: valorizing citrus peel waste from industry and restaurants. First essential oils are extracted, these can be used for cosmetic or cleaning applications. The remaining material can be used as pectin-ready peel if the waste is food proof, or as fiber in fiber applications. Citrus peel currently ends up in anaerobic digestion, although it is not a suitable substrate. PeelPioneers established access to this waste material, while SuperBIO helped with constructing the value chain consisting of NS (National Railways, NL) for the feedstock, Eco-point (NL) to use the essential oils in cleaning products and Ecotreasures (BE) with expertise in extraction of essential oils from fruit waste. Currently, PeelPioneers is looking for subsidy opportunities together with BiotechSubsidy.

Sytze van Stempvoort (PeelPioneers): SuperBIO provided insight into the importance of establishing a clear value chain in which all interests are aligned and everyone is ready for cooperation

Linking Spanish crab waste with a UK biotechnological conversion

SuperBIO supported Pennog Ltd (t/a Pennotec, UK) in finding potential feedstock sources in Spain for their biological chitin extraction process. With the support of Fundación Corporación Tecnológica de Andalucía (CTA) contact was made with Ecocelta, a Spanish organic waste recycling and fertilizer company in Galicia. The chitin produced through the biotechnological process is targeted for use in agricultural and water treatment markets. Pennog Ltd is receiving support from a Norwegian and a UK-based international company in exploring potential routes to market for their product. SuperBIO is offering business planning (BCNP), market research and regulatory landscape analysis (NNFCC).

In agreement with the SuperBIO confidentiality charter companies confirm that (i) the information in the excerpt from the article could be made publically available; and (ii) that the excerpt contains no confidential information. The companies understand that making confidential information publically available may have a negative impact on their IP.

About the project

SuperBIO (www.h2020-superbio.eu) supports the development of promising industrial value chains in the biobased economy and supports SMEs by providing 10 different professional innovation services 75% funded by SuperBIO. The SuperBIO consortium includes four industrial cluster organisations (from Belgium, France, Spain and Poland), and six service providers (from the UK, Germany and Belgium).

1. Horizon 2020 European Union Funding for Research&Innovation

SuperBIO (www.h2020-superbio.eu) is funded by the research and innovation programme Horizon 2020 of the European Union under the grant agreement no. 691555 for the period of 01.06.2016 to 30.11.2018.

2. SuperBIO Project Office:

The SuperBIO project is coordinated by Flanders BioBased Valley (Ghent, Belgium). For more information, comments or interview requests about SuperBIO, please contact:

- Dr. Stefan Ruyters, Project manager: Stefan.Ruyters@fbbv.be; Tel: +32 9 335 70 01
- Anneleen De Vriendt, Administrative Contact: Anneleen.DeVriendt@fbbv.be; Tel: +32 9 264 62 26

3. The SuperBIO cluster organisations are:

From Belgium:

Flanders Biobased Valley, Ghent, Belgium, www.fbbv.be

- Project manager: Dr Stefan Ruyters – Stefan.Ruyters@fbbv.be - Tel.: +32 (0)9 335 70 01
- EU coverage: Belgium, The Netherlands, UK, Ireland, Germany, Sweden, Finland, Denmark, Norway, Iceland, Faroe Islands, Turkey

From France:

INRA Toulouse White Biotechnology, Toulouse, France, www.toulouse-white-biotechnology.com/toulouse-white-biotechnology/

- Mr Olivier Galy – ogaly@insa-toulouse.fr – Tel.: +33 (0)5 61 28 57 91
- Mrs Marie TRANIER – marie.tranier@inra.fr – Tel. : +33 (0)5 61 28 57 18
- EU coverage: France, Luxembourg, Austria, Croatia, Cyprus, Malta, Slovenia, Macedonia, Montenegro, Serbia, Switzerland, Tunisia

From Spain:

Fundación Corporación Tecnológica de Andalucía, Seville, Spain, www.corporaciontecnologica.com

- Mrs Gloria de la Viña Nieto – gloria.vina@corporaciontecnologica.com – Tel.: +34 (0)954 46 13 52
- Mrs María García Alegre – maria.garcia@corporaciontecnologica.com – Tel.: +34 (0)954 46 13 52
- Mrs Beatriz Colado (Press Officer) – beatriz.colado@corporaciontecnologica.com
- EU coverage: Spain, Portugal, Greece, Italy, Israel

From Poland:

Lodz University of Technology, Polish Technology Platform of Bioeconomy, Lodz, Poland, www.p.lodz.pl/en/polish-bioeconomy-technology-platform

- Prof Stanisław Bielecki – stanislaw.bielecki@p.lodz.pl - Tel.: +48 42 631 34 42

- Prof Beata Kolesinska – beata.kolesinska@p.lodz.pl – Tel.: + 48 42 631 31 49
- Mrs Ewa Gromek – ewa.gromek@p.lodz.pl – Tel.: +48 42 631 38 93
- EU coverage: Poland, Latvia, Estonia, Lithuania, Czech Republic, Bulgaria, Hungary, Romania, Slovakia, Albania, Bosnia & Herzegovina, Moldova, Ukraine, Georgia

The SuperBIO partners providing innovation service are:

From Belgium

Bio Base Europe Pilot Plant, Ghent, Belgium, www.bbeu.org/pilotplant/

- Dr. Lieve Hoflack – Lieve.Hoflack@bbeu.org – Tel.: +32 (0)9 335 70 01
- Mr Brecht Vanlerberghe – Brecht.Vanlerberghe@bbeu.org – Tel.: +32 (0)9 335 70 01

Biotechsubsidy, Aalter, Belgium, www.biotechsubsidy.com

- Dr. Marc Van de Craen – marc@biotechsubsidy.com – Tel.: +32 (0)9 324 69 20
- Dr. Evelien De Clercq – evelien@biotechsubsidy.com – Tel.: +32 (0)9 324 69 20

From Germany:

nova Institut, Hürth, Germany, www.nova-institut.eu/

- Mr Michael Carus – michael.carus@nova-institut.de – Tel.: +49 (0)2233 48 14 40
- Ms Linda Engel – linda.engel@nova-institut.de – Tel.: +49 (0)2233 48 14 58

BCNP Consultants, Frankfurt am Main, Germany, <http://www.bcnpc.com/>

- Mr Tobias Kirchhoff – kirchhoff@bcnp.com – Tel.: +49 (0)221 95 43 97 41

From UK:

NNFCC The Bioeconomy Consultants, York, UK, www.nnfcc.co.uk/

- Dr Adrian Higson – a.higson@nnfcc.co.uk +44 (0)1904 435182
- Dr Lucie Pfaltzgraff – l.pfaltzgraff@nnfcc.co.uk +44 (0)1904 56 7945

Gill Jennings & Every LLP, London, UK, www.gje.com

- Mr John Jappy – John.Jappy@gje.com – Tel.: +44 (0)207 655 8500
- Dr Ian Jones – Ian.Jones@gje.com – Tel.: +44 (0)207 655 8500

