



SEKAB, SP and Terranol enter a collaboration to demonstrate enhanced production efficiency by using advanced biomass hydrolysis and yeast fermentation strategies, suitable for commercial scale implementation in the production of cellulosic ethanol.

SEKAB, SP and Terranol have initiated a collaboration project to demonstrate the potential of combining their respective technologies for cellulosic ethanol production. An efficient pretreatment and enzymatic hydrolysis process, developed by SEKAB, in combination with strategies for continued or partially continued fermentation using yeast strains developed by Terranol, will be further refined, upscaled and demonstrated in the Biorefinery Demo Plant (BDP) run by SP in Örnsköldsvik, Sweden. The Danish Energy Agency (EUDP), the Swedish Energy Agency, and EU support the project.

SEKAB E-Technology has developed a technology platform called CelluAPP® for conversion of different ligno-cellulosic biomasses to cellulosic sugars and cellulosic ethanol. The CelluAPP® technology has been developed, tested and used in the BDP for more than ten years.

“This project will improve and enhance our CelluAPP® technology. We are really looking forward to collaborate with SP and Terranol in this project!” says Thore Lindgren, EVP for SEKAB E-Technology.

For further information, please visit www.sekab.com

The SP Group is the largest research institute in Sweden. Increasing focus is directed to bioeconomy and biorefining applications. SP is overall responsible for operation of the flexible and multipurpose BDP, operated 24/7 with a capacity of approximately 1 t dry biomass/ 24 h. The BDP has been utilized since 2004 for development and verification of technologies for ethanol production from lignocellulosic biomass. To fulfil the targets of this project new process equipment will be installed as well as improved process control and monitoring systems.

For information, please visit <http://www.sp.se/demoplant>

Terranol A/S is a Danish research and development company founded in 2007 dedicated to developing and commercializing C6/C5 yeasts, first and foremost for cellulosic ethanol production. By applying proprietary technologies, Terranol has designed genetically optimized C6/C5 yeasts, recently successfully demonstrated to fulfill the requirements in industrial scale (270.000 L) and settings, with respect to robustness, performance and productivity.

“Our C5 yeast is among the furthest developed in the industry and for this project we are pleased to be partnering with these Swedish pioneers in the industry,” says Birgitte Rønnow, CEO of Terranol.

For more information, please visit www.terranol.com

EUDP (Danish Energy Agency Programme for Energy Technology Development and Demonstration) promotes new climate-friendly energy technologies to increase security of supply and realizes Denmark’s business potential in the energy sector.

For further information, please visit www.ens.dk/ny-teknologi

The Swedish Energy Agency works for the use of renewable energy, improved technologies, a smarter end-use of energy, and mitigation of climate change. The mission is a sustainable energy system.

For further information, please visit www.energimyndigheten.se/en

BESTF - Bioenergy Sustaining the Future is an EU ERANET Plus activity that provides funding to collaborative bioenergy projects that demonstrate at least one innovative step and will result in demonstration at a pre-commercial stage to boost the contribution of bioenergy to the EU climate and energy ambitions

For further information, please visit www.eranetbestf.net