



## Uptake of patent rights by participant companies

Participant companies from three different Wetsus research themes have recently decided to take up patent rights, in order to bring a Wetsus invention to the market.

For one – researchers in the Soil team developed a novel process to produce concentrated phosphate, organic matter and biogas from animal manure. This invention can improve the resource efficiency in the agricultural sector and enable a more sustainable use of phosphate. The invention was patented by Wetsus. The patent is transferred to the participant company Koninklijke Oosterhof Holman.

Secondly, researchers in the Blue energy theme invented a new method to produce bipolar membranes, using electrospinning. Bipolar membranes can be used in electrochemical systems for sustainable energy or resource recovery. This patent is transferred to participant company W&F Technologies.

And thirdly, researchers in the Applied Water Physics theme came up with a highly innovative method to transfer gases into a liquid, making use of a hyperbolic vortex. The invention has ample potential as an energy-efficient aeration method without movable parts. Wetsus has patented this invention and licensed it to the Wetsus Participant Companies Bright Spark, IPF, Schauburger Natur Technik and Waterschap de Dommel.

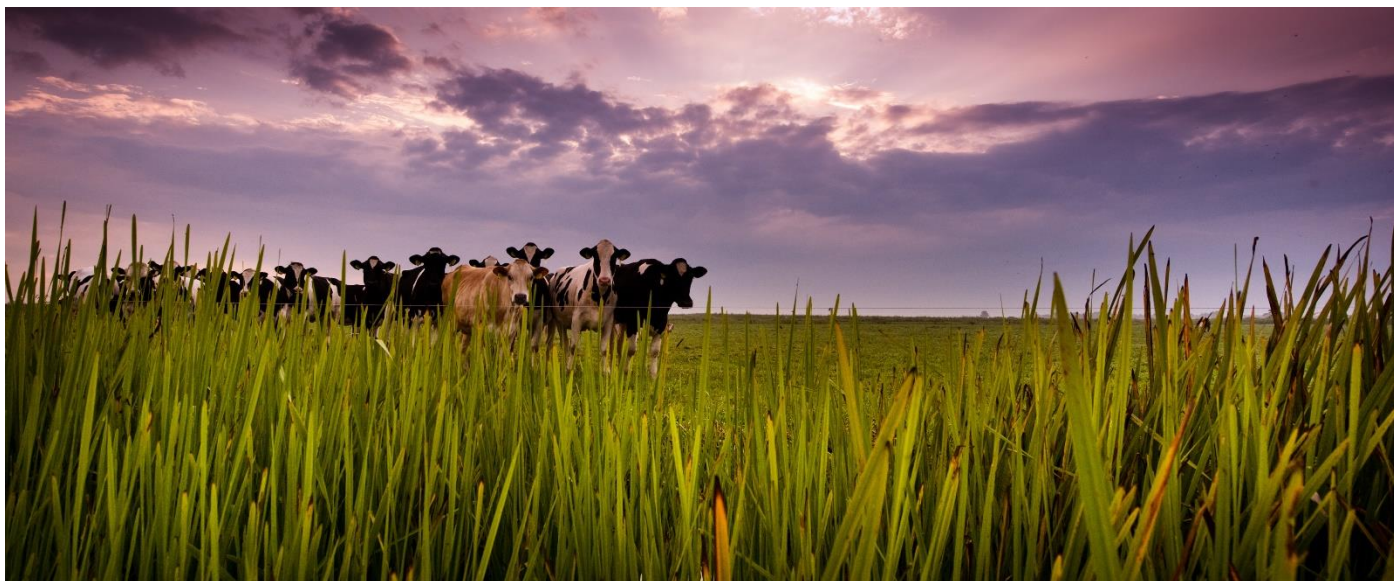
Wetsus wishes these companies a lot of success with the further valorization of the inventions.

## New participants

After starting out as a platform member, [Keycycle](#) is now a full Wetsus participant in the theme [Advanced coagulation for nanoparticles](#).

Recently Addit Nature [www.additwater.com](http://www.additwater.com), joined Wetsus as a platform participant. Addit Nature is based on the vision that water can be treated in a specific way to improve human health and performance and the durability of drinks and food.

Wetsus will be working with [ISPT](#) in the project Lemplar, Losses & Emissions in PLastic Recycling. The Institute for Sustainable Process Technology has become a platform participant of Wetsus.



On November 30, Wetsus organized an evening for the agricultural sector, to show the findings of our soil research. The aim was to share our research on microbial life in the soil and the treatments of organic matter to improve soil structure directly with farmers. Wetsus Executive Board Member Cees Buisman welcomed about 100 people, after his introduction Elline Keuning (Bioclear/Wetsus) and Wetsus' Chris Schott gave a presentation. The participants found the positive correlation between soil structure and the application of digestate and ferment exciting. The discussion was lively, and the topic of our research was well-received by farmers. Next year we will organize another evening about this topic.

## Wetsus Congress 2023

**Save the date: October 9 and 10, De Harmonie, Leeuwarden.**

The theme of our Wetsus 20th anniversary Congress will be: *Environmental resilience to novel entities*.

The program and registration will be online in due course. For questions please contact [Hester Henstra](#), Communication manager Wetsus. Scientists from the Resource recovery theme combined advances in electrochemistry and membrane science to enable the reuse of the nitrogen, rather than the nutrient being lost to the environment.

## Calender

Date: 26 January 2023: [Theme meetings and program board \(members only\)](#)

Date: 20 April 2023: [Theme meetings and workshops \(members only\)](#)

Date: 8-12 May 2023: [WaterCampus Business Challenge](#)

Date: 21 September 2023: [Theme meetings \(members only\)](#)

Date: 9-10 October 2023: [Wetsus Congress](#)

Date: 23 November 2023: [Wetsus Members Only Congress](#)