

## Waste water phosphorus removal tomorrow: ambitions and reality



9<sup>th</sup> October, Liège, near Brussels. In the context of the current revision of EU water policy (Water Framework Directive, Waste Water Treatment Directive), and with participation of the European Commission (DG ENVI, DG RTI), this [workshop](#) will enable dialogue between the water industry, experts and policy makers (EU, national) on perspectives for phosphorus removal: low discharge consents, flexible permitting / emissions trading, P-removal from small sewage works. **Registration now open:** [www.phosphorusplatform.eu/PremovalWorkshop](http://www.phosphorusplatform.eu/PremovalWorkshop)

*In partnership with / supported by: IWA (the International Water Association), Eureau, CIWEM (Chartered Institution of Water and Environmental Management), Université de Liège and ECSM'19 (European Conference on Sludge Management), Liège 6 - 8 October 2019 Workshop website [www.phosphorusplatform.eu/PremovalWorkshop](http://www.phosphorusplatform.eu/PremovalWorkshop) For information on the phosphorus removal workshop, contact [info@phosphorusplatform.eu](mailto:info@phosphorusplatform.eu)*

## 9th International Phosphorus Workshop (IPW9)

"Putting phosphorus first? How to address current and future challenges". ETH, Zurich, Switzerland, 8 - 12 July 2019. The 9<sup>th</sup> International Phosphorus Workshop (IPW9) will address five research themes: 1. phosphorus scarcity; 2. optimizing regional and national phosphorus cycles; 3. sourcing phosphorus fertilizers; 4. efficient phosphorus use in agroecosystems; 5. environmental phosphorus problems.

Website [www.ipw9.ethz.ch](http://www.ipw9.ethz.ch)



## Save the date: ESPC4

The 4th European Sustainable Phosphorus Conference is fixed for Vienna, 15 - 17 June 2020

See more upcoming events at [www.phosphorusplatform.eu/upcoming-events](http://www.phosphorusplatform.eu/upcoming-events)

## CRU "Phosphates 2019" Conference, March 2019



The 12<sup>th</sup> CRU "[Phosphates](#)" conference, the leading annual phosphate industry conference worldwide, took place in Orlando, Florida, 25-27 March 2019. The event started with an excursion to Mosaic's Streamsong mine reclamation project, a world class golf resort which was designed and built on an exploited phosphate mining area. This development was possible because the mine operated before US 1996 legislation requiring mine reclamation to "natural" state. At the "Phosphates 2019" Conference

itself, CRU presented its market forecasts: phosphate rock extraction is expected to grow by around 1% per year until 2023, with a slowdown in China (after 15 years of rapid growth) and stronger growth in Middle East and Africa. Due to mine closures because of stricter environmental regulations, China could even become a rock importer after the year 2022. Morocco and Saudi Arabia are expanding their production capacity which will exceed the growth of demand during coming years. Consequently, no price increase can be expected. Sessions on agronomy perspectives for tomorrow's farming and about the future of phosphate fertilisers presented the latest premium, specialty and value-added fertiliser products and discussed the market potential for enhanced efficiency fertilisers, micronutrients and bio-stimulants. Discussions focused on liquid or 100% soluble fertilisers, coated fertilisers, precision placement and organic acid complexes, as innovative approaches to increase the nutrient use efficiency of phosphate fertilisers. The conference also offered Technical Showcase sessions and technology presentations, covering new designs and processes for phosphoric acid production, sulphuric acid, fertiliser granulation and finishing, environment and sustainability, mining and phosphate rock beneficiation.

"Phosphates 2020" will take place **8-10 march 2020 in Paris**. "Phosphates" Conference information, CRU <https://events.crugroup.com/phosphates/home>

## Calls, consultations and projects

### ManuResource 2019 - call for papers open to 31st May



The biennial international conference [ManuResource 2019](#) on manure processing and resource and nutrient recovery from manure will take place 27-28 November 2019 in Hasselt, Belgium (80 km East of Brussels, 1h20 by train). A call for papers (abstracts) is [open until 31<sup>st</sup> May](#). Topics targeted are: use of manure and derived products as fertilisers, innovations in new products derived from manures, manure and digestate treatment technologies and resource recovery, and environmental impact of manure management.

ManuResource 2019 conference website [www.vcm-mestverwerking.be/en/manuresource/15533/manuresource-2019](http://www.vcm-mestverwerking.be/en/manuresource/15533/manuresource-2019)