

## Chemspec Europe 2016

June 1-2 2016, Basel

PhosponicS Ltd.

Title: **How to reduce waste and recover more precious metals using the smartest silica technology**

Speaker: [Dr Sophie Purser](#), Business Development Manager, PhosponicS

### *Abstract for the conference*

The recycling of precious metals is becoming ever more important largely due to their relative scarcity and the high cost of their extraction from nature. Many companies are seeking more efficient methods of recovering every last trace from their processes, both in the production of clean products and in treating waste.

By the removal and efficient concentration of metals from chemical streams onto a solid matrix, companies can lessen their environmental impact by reducing the burden of having large volumes of liquid waste to dispose of. In the case of precious metals, valuable non-renewable resources can be recycled and re-introduced into the production loop thereby improving the sustainability of using these precious metals.

PhosponicS specialises in capturing precious metals from industrial processes using the smartest silica technology. Silica is a very suitable material as a framework for a diverse array of chemical streams as it does not swell; it possesses a high surface area due to its high porosity and can pack well allowing good flow characteristics.

Case studies will be presented to show how utilising such advanced technologies to recover more precious metals, returns can be maximised and improvements made to the sustainability of a process.