Name SURNAME: Piia JUHOLIN		
Function:	Postdoctoral researcher	
Institution:	University of Oulu (UOULU)	
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Division	**Environmental and Chemical Engineering (ECE)**	

Areas of Expertise:

Membrane technologies in industrial wastewater treatment, especially separation of inorganic compounds including heavy metals, nutrients and sulphate. Combination of separation processes into hybrid processes (i.e. membranes, adsorption, photocatalysis)

Short Description of your Institution:

University of Oulu is an international science university of ten faculties and specialized research units creating the foundation for the multiscientific research, innovations and training of experts for demanding professional tasks. UOULU conducts high level research and contributes to solving global challenges in the following five focus areas 1) Creating sustainability through materials and systems, 2) Molecular and environmental basis for lifelong health, 3) Digital solutions in sensing and interactions, 4) Earth and near-space system and environmental change, and 5) Understanding humans in change.

The Environmental and Chemical Engineering (ECE) research unit provides new scientific knowledge for the development and design of environmentally benign and sustainable materials, unit operations and production processes. ECE has strong theoretical and experimental knowhow on catalysis and membrane technologies, including industrial waste water purification, catalytic technologies for air and water purification (NOx, SOx, VOCs), CO_2 utilization, hybrid methods for heavy metals and nutrients removal, and surface fouling prevention, systematic experimental design, CFD and DEM modelling, as well as development and use of a sustainability assessment tool for early stage unit operations and process design purposes.

Role in the project:

WP3 Leader. Laboratory experiments on As removal technologies. WP6 Leader. Outreach and exploitation. WP1 Participation. Arsenic concentrations in water, soil, crops.

Date: 2017 March 24th