



**INGA HERRMANN**

*From Sweden to France*



Project: **Decentralized and sustainable wastewater and source-separating sanitation systems**

Research topic: **Engineering**

Swedish Institution: **Luleå University of Technology (LTU)**

French Institution: **IMT Atlantique Nantes / IRSTEA Lyon**

Dates of mobility: **25/04/2017 to 01/05/2017**

Program: **SFVE-A (ex-FRÖ)**



## PRESENTATION

[Inga Herrmann](#) is Associate Professor in the [Urban Water Engineering](#) research group at the [Division for Architecture and Water](#) under the [Department of Civil, Environmental and Natural Resources Engineering](#) of [LTU](#). She obtained her PhD in Environmental Engineering from LTU in 2014. Her research focuses on decentralized and sustainable water and wastewater systems, including on-site and small-scale wastewater treatment, source-separating sanitation systems and advanced stormwater treatment.

## ACTIVITIES IN FRANCE

Inga Herrmann started her mobility at the Ecole Nationale supérieure Mines-Telecom Atlantique ([IMT Atlantique](#)) in Nantes. There, she met with [Prof. Florent Chazarenc](#) and [Fabio Masi](#). Chazarenc took her to a treatment wetland, and they discussed collaborations on possible implementation in Northern Sweden and in cold climates in general. Another subject was source-separating systems such as urine diversion, collection systems and fertilizer production. She visited [the laboratories](#), observing experiments with aluminium slag and EAF steel slag. She also held a seminar entitled “Research in Urban Water Engineering at Luleå University of Technology” and joint applications to [Horizon2020](#) and [JPI](#) and a dual PhD program were envisaged.

The second part of her mobility was spent at the National Institute for Research in Science and Technology for the Environment and Agriculture ([IRSTEA](#)) at the National Institute for Applied Sciences ([INSA](#)) in Lyon. There, she met with [Dr. Pascal Molle](#), Head of the Wetlands Group, and discussed research related to load variations, cold climate, and reactive filters for phosphorous removal. They also visited the research group [EPNAC](#) of the National Research Institute for Agriculture, Food and the Environment ([INRAE](#)), the local wastewater treatment plant in Lyon, and the experimental laboratory of IRSTEA. They envisaged pilot tests of French vertical flow constructed wetlands in Luleå.