



KERSTIN FORSBERG

From Sweden to France



Project: **Natural resources and industrial pollution**

Research topic: **Engineering**

Swedish Institution: **KTH Royal Institute of Technology**

French Institution: **ENS Geology Lorraine**

Dates of mobility: **12/03/2017** to **18/03/2017** and **10/06/2017** to **14/06/2017**

Program: **SFVE-A (ex-FRÖ)**



PRESENTATION

[Kerstin Forsberg](#) is a Professor in Chemical Engineering and Head of the [Division of Resource Recovery](#) at [KTH Royal Institute of Technology](#) and Chair of [the Hydrometallurgy and Electrometallurgy Committee](#) of The Minerals, Metals and Materials Society ([TMS](#)). She is an expert of separation processes, in particular crystallization. This can mean to recover resources from waste streams (e.g., used batteries, pickling acids and red mud) and to investigate phenomena of contaminant transport (e.g. mobility of radionuclides). She obtained her PhD in Chemical Engineering from KTH in 2009. |

ACTIVITIES IN FRANCE

During her mobility to the [École Nationale Supérieure de Géologie](#) (ENSG) of the University of Lorraine ([UL](#)), she met with Professor in Hydrometallurgy [Alexandre Chagnes](#) and Professor in Geology [Philippe Marion](#), affiliated with the [Georesources lab](#). In Lorraine, she also met with Professor in resin ion exchange [Laurence Muhr](#) (affiliated with the Laboratoire Réactions et Génie des Procédés ([LRGP](#)) lab at the School of Chemistry [ENSIC](#)). In Paris, she met Associate Researcher at CNRS [Jolanta Swiatowska](#) at the Institute of Chemical Research ([IRCP](#)) at [Chimie ParisTech](#). Prof. Forsberg and Prof. Chagnes discussed among others the organization of a symposium entitled “Challenges in extractive metallurgy of critical materials”, within the framework of the [American Chemical Society National Meeting and Exposition](#) in 2019. She held a talk on the separation of Rare Earth Elements at KTH and visited the [STEVAL](#)'s (Station Expérimentale de Valorisation des Matières Premières et des Substances Résiduelles). Experimental pilot plant at the Georesources laboratory, and learned about Prof. Chagnes' plans to expand the facility with hydrometallurgical pilot equipment (e.g. mixer settlers and precipitation reactors). She also returned to Nancy in July upon invitation in Mars as keynote speaker at the 16th Congress of the French Chemical Engineering Society ([SFGP](#)), holding a talk entitled “Valorisation of phosphate rock by hydrometallurgical processing” |