



DELPHINE SCHAMING

From France to Sweden



Project: **Solar Energy**

Research topic: **Chemistry**

Swedish Institution: **Umeå University and Uppsala University**

French Institution: **Université Paris Diderot**

Dates of mobility: **28/05/2018 to 08/06/2018**

Program: **SFVE-A (ex TOR)**



PRESENTATION

Delphine Schaming is since 2012 Lecturer at [ITODYS](#) (Interface, Processing, Organization and System Dynamics Laboratory) at [Paris Diderot University](#). She graduated 2010 with a PhD degree at the laboratory of Physics and Chemistry at [Paris-Sud University](#). Her research works focus on Grätzel-type solar cells and on the study of plasmonic active devices.

ACTIVITIES IN SWEDEN

Delphine Schaming travelled to [Umeå University](#) where she visited two laboratories of the [Department of Chemistry](#). At the [Molecular Geochemistry laboratory](#), she had the opportunity to discuss, among others, with [André Ohlin](#) different approaches on polyoxometalates. At the Analytical Chemistry Laboratory, Delphine Schaming met in particular [Solomon Tasfalidet](#).

Delphine Schaming visited moreover [Uppsala University](#) and especially the [Ångström Laboratory of the Department of Chemistry](#). She had fruitful discussions with the members of the Chemistry/Physics group, including [Haining Tian](#), working on similar topics, namely on different aspects of solar energy conversion.

Moreover, she had the opportunity to discover a field of chemistry, geochemistry and to exchange ideas on electro-grafting, a method that her laboratory used as well. She learned also about the different university systems (teaching methods, research funding etc.) present in Sweden.

Potential research projects have been finally discussed in particular on the use, in the photovoltaic field, of carbon dots that she was developing at the University Paris Diderot.

At the University of Umeå, she gave a seminar entitled "Polyoxometalates-based hybrids for photovoltaic and photocatalytic applications". She also had the opportunity to give a conference entitled "Nanosciences and Nanotechnology" at the [Lycée Français Saint-Louis](#) in Stockholm.