



CORINNE MANDIN

From France to Sweden



Project: **Oral bioaccessibility of toxic compounds in indoor settled dust**

Research topic: **Medecine & Health**

Swedish Institution: **Swedish Toxicology Sciences Research Center (SWETOX)**

French Institution: **Scientific and Technical Center for Building (CSTB)**

Dates of mobility: **02/04/2017 to 07/04/2017**

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



PRESENTATION

[Corinne Mandin](#) is a Researcher at the Institut de Radioprotection et de Sûreté Nucleaire ([IRSN](#)) and Head of the Epidemiology Research Laboratory ([LEPID](#)) at the [University of Rennes](#). At the time of the mobility, she was Head of the Observatory of Indoor Air Quality ([OOAI](#)) of the [Health and Comfort Division](#) of the Scientific and Technical Center for Building ([CSTB](#)). Her research, collaborating with [Prof. Barbara Le Bot](#) from the French School of Public Health Studies ([EHESP](#)), focused on the effects of human exposure to environmental pollutants and the development of an analytical chemistry method to measure exposure and impregnation. She obtained her PhD from the University of Rennes in 2015.

ACTIVITIES IN SWEDEN

Corinne Mandin started her joint mobility with Prof. Le Bot at [Umeå University](#), where she met researchers from [SWETOX](#), the Swedish Toxicology Sciences Research Centre. With [Åsa Gustafsson](#), she planned future collaborations on among others the influence of granulometric fractions on concentrations of pollutants and examined bioaccessibility of inhalable indoor dust samples containing endocrine disruptors, for which initial investigations by Le Bot's PhD student [Gaëlle Raffy](#) at the EHESP have commenced. She also had fruitful discussions on indoor chemical exposure with [Dr. Bo Glas](#), Chemist [Peter Haglund](#), Pharmacologist [Jerker Fick](#), and Prof. [Patrick Anderson](#), head of the [Department of Chemistry](#). She then journeyed to Södertälje, where she met other additional SWETOX researchers: [Annette Kraus](#) ([Lund University](#)), [Ulf Norinder](#) and [Daniel Mucs](#) (who have developed a modelling approach as opposed to *in vivo* methods), and [Åke Bergman](#), Director of SWETOX. Mandin and Le Bot also had the opportunity to visit SWETOX's animal housing facility and see experimental infrastructures that are not available at the CSTB or EHESP and that could be subject to future collaborations. They planned a workshop on bioaccessibility at the 2018 International Society for Exposure Sciences ([ISES](#)) conference, and complementary research on inhalation (SWETOX) and ingestion (EHESP).