



NATHALIE KORBOULEWSKY

From France to Sweden



Project: **Temperate forest ecosystems**

Research topic: **Environment**

Swedish Institution: **Swedish University for Agricultural Sciences Umeå**

French Institution: **National Institute for Agriculture, Food, and Environment**

Dates of mobility: **28/04/2015 to 10/05/2015**

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



PRESENTATION

[Nathalie Korboulevsky](#) is a Senior Researcher at the National Institute for Agriculture, Food, and Environment ([INRAE](#), previously Irstea), conducting research in soil science, environmental science and waste management. She is interested in soil-plant relationships under light, water stress and herbivory conditions and the global functioning of ecosystems, contributing to sustainable use of natural resources. She obtained her PhD in Biosciences from the [University Aix-Marseille](#) in 2001 and was habilitated in 2011.

ACTIVITIES IN SWEDEN

Nathalie Korboulevsky travelled to the [Swedish University of Agricultural Sciences' campus in Umeå](#) and the [Department of Forest Ecology and Management](#), where she was hosted by Assc. Prof. [Ulrik Ilsted](#) and Asst. Prof. [Niles Hasselquist](#). She also met with Guest Prof. [Dan Binkley](#) ([Northern Arizona University](#)), Prof. [David Wardle](#) ([Umeå University](#)), lab manager Åsa Bengtsson, Dr. [Aida Bargués Tobella](#), and Dr. [Nathalie Pluchon](#). The discussions were on among others soil water and stable isotope utilization in ecophysiology.

She held a seminar presenting Irstea and her research unit "Forest Ecosystems" in Bogent-sur-Vernisson, and the Oak Pine Tree Mixture experiment ([OPTMix](#)) on temperate forests and the effects of tree density, species mixture and herbivore presence.

They discussed a potential collaboration and a co-tutored PhD program, realised a cryogenic extraction technique, and visited the [Rosinedal](#) field experiment site and [Arboretum Norr](#). Korboulevsky also attended the PhD defence of Nathalie Pluchon on the "[Functional Role of Fire-derived Charcoal in Boreal Forest Ecosystem Processes](#)".