

Meet the Presenter...

Dr. Stéphanie Cornet

Dr. Stéphanie Cornet is a Nuclear Scientist at the OECD Nuclear Energy Agency in Paris, France, currently working in the area of Scientific Issues of the Nuclear Fuel Cycle. Dr. Cornet received the French equivalent of a master's degree in Chemistry from the University of Franche-Comté, and then moved to the United Kingdom to complete her doctoral studies in Inorganic Chemistry at the University of Durham. After a first postdoctoral position at the University of Montreal working on catalysis, Dr. Cornet spent 4 years as Postdoctoral Research Associate in the Centre for Radiochemistry Research at the University of Manchester (UK), where she was first introduced to nuclear science. Through the European network ACTINET, she had the opportunity to participate in a 6-month assignment at the CEA Marcoule Nuclear Site in France, where she worked on the preparation of plutonium complexes. She then obtained a position as a Teaching Fellow at the University of Manchester, where she taught the basics of the nuclear fuel cycle, as well as chemistry of the actinides. She gained extensive experience in the area of nuclear and radiochemistry, in particular the chemistry of actinide and transactinide elements in aqueous and non-aqueous media. Her research interests lie in the area of coordination chemistry of the f-elements, especially the chemistry of the actinides. She is particularly focused on anhydrous actinyl ($\{AnO_2\}^{2+}$) coordination chemistry and probing the actinyl bond along the actinide series (U, Np, Pu) to advance understanding of the electronic structure of actinyl complexes. Dr. Cornet is recognized for her expertise in non-aqueous transuranics.

