

PhD Thesis announcement

PhD student position in environmental sciences

Amphos XXI Consulting S.L. (Amphos 21) is a consulting firm in the domains of waste (industrial, toxic and nuclear), soil, water, and environmental management and sustainable development. Amphos 21 facilitates the follow-up of doctoral studies by a highly qualified staff and a close relationship with the world of research (universities and research centres on the international level). Amphos 21 invites applications for a PhD student position in environmental sciences. The research project will address the issue of the long term management of low level radioactive waste stored on the site of Comurhex, a subsidiary of the AREVA group, in Malvési (Narbonne, France).

The research: Comurhex-Areva has asked Amphos 21 to develop a PhD Thesis on the long term behaviour of waste resulting from the conversion of yellow cake into uranium tetrafluoride. The study will focus on the behaviour of uranium and thorium under specific conditions (high ionic concentrations, potential mobilisation of radionuclides by other elements). This Thesis is a pluri- and trans-disciplinary project that includes chemical, geochemical, radiological and hydrogeological aspects. Experimental and modelling studies will be used as complementary approaches.

Qualification requirements: A master's degree or equivalent in environmental sciences is required by October 1, 2010. The candidate should have knowledge in chemistry, geochemistry, hydrogeology and radiology. Technical competence in laboratory techniques and/or modeling is preferred. Speaking and writing skills in English and French are required.

Further information: Dr Anne Delos, Amphos 21 project director (+34 93 583 0500) anne.delos@amphos21.com or Dr Lara Duro, Amphos 21 managing director, lara.duro@amphos21.com.

Application terms: Applications should be sent as quickly as possible to the following emails: anne.delos@amphos21.com, lara.duro@amphos21.com, walter.vanhecke@areva.com. The application will contain (i) a brief description of the candidate and his motivation for research, (ii) CV (incl. academic curriculum, professional experience, and scientific publications), (iii) the names of two references (incl. phone number and email). The thesis will begin in October, 2010 for a duration of four years.

