January 28th, 2025

To Whom It May Concern:

Re: Description of Migration ’25 Conference and Associated Workshops

The 19th International Conference on the Chemistry and Migration Behaviour of Actinides and Fission Products in the Geosphere (Migration ‘25, https://event.fourwaves.com/migration25/pages) will be held from September 21-26 2025 in New Orleans (USA). The Migration conferences are the premier international forum for the timely exchange of scientific information on chemical processes controlling the migration behavior of actinides and fission products in natural aquifer systems with a focus on radiochemistry, thermodynamics, and nuclear waste management. Migration ‘25 will cover a wide range of radiochemical topics including aquatic chemistry of actinides and fission products, migration behavior of radionuclides, geochemical and transport modelling, and applications to case studies. We are currently accepting abstracts for Migration25 until February 14th 2025 and strongly encourage the participation of early career staff and students interested in environmental radiochemistry and nuclear science. This forum is ideal for students interested in developing their scientific network internationally.

In addition to the Migration ’25 conference, there will be two associated workshops. The Nuclear Energy Authority (NEA) will host the ninth edition of the annual NEA Thermochemical Database (TDB) Project course on the topic of thermodynamic data collection and assessment. The course is designed to familiarize scientists with current NEA TDB activities and standards, provide an overview of data collection and analysis techniques, and work through some real system examples to demonstrate the critical evaluation and data assessment process. Retaining high scientific standards for the collection, interpretation, critical review and application of thermodynamic data is a key goal of the NEA TDB, and helps assure that a strong scientific basis for the safety case is maintained to support international nuclear waste management options.

The second workshop will be hosted by the ThermoChimie Consortium. ThermoChimie database is used in support of the assessment of radionuclide and non-radiological pollutant behaviour in a range of scenarios, such as within radioactive waste packages and geological disposal facilities, through the geosphere, and in legacy contaminated land. This one-day workshop will provide an update of the ThermoChimie database as developed during phase 3 (2018-2025), collect feedback from the users in a round table and include a discussion of possible priorities for the next phase of ThermoChimie database development.

It is our hope that our international colleagues can join us in New Orleans, LA, USA in September 2025 to join in robust scientific discussions regarding nuclear waste management.

Sincerely,

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