

Thermochemical Database (TDB) Project course: *Thermodynamic data collection and assessment*

23 September 2023 9:00-18:00 (CET / Paris time)
Mercure Nantes Centre - Grand Hôtel

Instructors: Xavier Gaona (KIT-INE, Germany), Don Reed (LANL, USA), Marcus Altmaier (KIT-INE, Germany), Lara Duro (Amphos21, Spain), Pascal Reiller (CEA, France), and Jesus S. Martinez (OECD/NEA, France).

DRAFT

Time	Topic
9:00 – 9:20	Opening remarks and introductions (All)
9:20 – 9:40	Perspectives - international updates (Reed)
9:40 – 10:00	NEA-TDB - Background and historical viewpoint (Martinez)
10:00 - 10:15	<i>Coffee Break (provided)</i>
10:15 – 10:45	NEA-TDB reference material and processes (Reed)
10:45 – 12:00	NEA-TDB guidelines for ionic strength corrections. Practical SIT Exercise (Gaona)
12:00 – 13:00	<i>Lunch (provided)</i>
13:00 – 14:00	Critical review criteria within NEA-TDB. A detailed walkthrough of two examples: stand-alone paper and review in the context of several papers (Gaona)
14:00 – 15:15	Experimental approaches and design (Altmaier)
15:15 - 15:30	<i>Coffee Break (provided)</i>
15:30 – 16:30	Thermodynamic data in the context of uranium mining (Reiller)
16:30 – 17:30	Thermodynamic databases for radionuclides building on NEA-TDB. Implementer Perspectives: the NEA-TDB Data in Predicting Repository Performance (Duro)
17:30 – 18:00	Wrap-up and feedback questionnaire (Martinez)