

The THEREDA Database Project and the Use of its Data in ChemApp and ChemSheet

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ABSTRACT

The THEREDA database project is an ongoing activity of a consortium of five European institutions all involved in the underground storage of nuclear wastes.

A brief summary will be given concerning the present state of the database work and the availability of comprehensive data-files ready for use with a whole suite of software.

One of these codes is ChemApp, and thus ChemSheet. Under particular circumstances the data from THEREDA are even compatible with the data structure in FactSage-formatted databases.

Phase diagrams pertaining to aqueous systems as calculated with FactSage will be compared with diagrams customary in the aqueous field.

A method based on ChemSheet will be shown which permits the generation of equivalent diagrams for all databases available from THEREDA.