

## UNCERTAINTYMANAGER / VALITRACE GMBH



*UncertaintyManager is a software developed in the frame of two consecutive projects financed by the Swiss Commission for Technology and Innovation (CTI) and executed by a consortium of different science (ETHZ, Montanuniversität Leoben, BAM, ZAHW, HSR) and industry partners. Knowing the real value of measurements is crucial to open trade and application of effective legislation in many sectors. UncertaintyManager is a powerful and versatile software-based system and a supporting database to provide a fast, reliable and simple-to-use method of evaluating measurement consistency in analytical chemistry. The kernel was programmed C++ and allows calculation by analytic derivation as well as by the Monte Carlo method. The user interface is based on Visual Basic. It has been developed according to the usability engineering lifecycle, i.e. along use cases that bench chemists often are confronted with. In spring 2008 the spin-off company Valitrac GmbH was founded to enforce the sell and further development of the UncertaintyManager. The exploitation of the UncertaintyManager is based on a software license agreement between Valitrac GmbH and Empa.*