

A New Tool for Ecotoxicological Risk Assessment of Contaminated Sites: The TerraSys software

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In order to respond to regulatory requirements regarding the management of contaminated sites and to facilitate the execution of ecotoxicological risk analyses, the company Sanexen has developed a software program called TerraSys. This program brings together an entire set of tools necessary for assessing the ecotoxicological risks of contaminated sites. It integrates various databases and numerous mathematical models for the estimation of contaminant concentrations in all environmental media, as well as the estimation of exposure levels and risk indices for representatives of the organisms living on the study site. It also proposes, as a complement to the traditional approach of mathematical modelling, a risk assessment approach using biotests conducted on samples taken from the site. The final risk interpretation step is then refined by integrating the results of the two approaches. The objective of this poster is to demonstrate the major characteristics of this new software and allow the reader to understand the process followed by TerraSys in assessing the ecotoxicological risks of contaminated sites.