

SADA

Spatial Analysis and Decision Assistance (SADA)

Developed for the United States Environmental Protection Agency and the United States Nuclear Regulatory Commission **SADA** is free software. The tools within the SADA model include integrated modules for visualisation, geospatial analysis, statistical analysis, human health risk assessment, ecological risk assessment, cost/benefit analysis, sampling design, and decision analysis. The capabilities of SADA can be used independently or collectively to address site specific concerns when characterising a contaminated site, assessing risk, determining the location of future samples, and when designing remedial action. A freeware version is available from <http://www.tiem.utk.edu/~sada/index.shtml>. SADA is developed in The Institute for Environmental Modeling at the University of Tennessee.

Although primarily developed for non-radioactive contaminants, SADA can be applied to radioactive contamination for basic screening tier assessments by inclusion of **US DOE** biota concentration guidelines (BCG's) (i.e. predicted no-effects media concentrations). In effect this means that SADA can be used for assessments equivalent to Level 1 of the **RESRAD-BIOTA** package but with the added functionality of being able to consider the data within a spatial context.

