

*Abstract for invited presentation at Session on “International Policy and Science Issues” at the American Chemical Society 2005 National Fall Meeting, Washington, DC, August 31-September 3<sup>rd</sup>.*

**Promoting data standards and open public access to structure-searchable toxicity databases: DSSTox and coordinated public efforts**

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The Distributed Structure-Searchable Toxicity (DSSTox) database project seeks to: promote use of chemical structure standards and file formats for chemical toxicity databases; coordinate with other public efforts to encourage chemical structure annotation, data standardization, and open public access to toxicity databases; and enhance the ability of scientists and regulators within and outside EPA to integrate, explore, and utilize chemical toxicity data from a structural perspective to improve capabilities in predictive toxicology. DSSTox is coordinating with the public LIST ToxML and International Life Sciences Institute on toxicity data standardization efforts in Developmental Toxicity and other areas of toxicology. Additional collaborations are ongoing with the LHASA VITIC structure-activity database effort, the National Cancer Institute's chemical databases and structure-browser, NCBI's PubChem, the IUPAC/NIST InChI chemical information code project, and the NIEHS Chemical Effects in Biological Systems (CEBS) toxicogenomics knowledge-base, among others. This abstract does not reflect EPA policy.