



**THE LIFELINE GROUP**

## **The LifeLine Group Software Designers Brief Biographical Sketches**

### **Dr. Christine F. Chaisson, Director**

Dr. Chaisson is a recognized expert in risk assessment and regulatory strategies for pesticides, food additives and other chemicals in the human environment. She is one of the architects of the first, and also the most recent aggregate and cumulative exposure/risk assessment software models being used in the United States. Her special focus on these models has been in the dietary sections—agriculture, food technology, food consumption and food composition and in designs modifications for population subgroups.

Dr. Chaisson began her career in risk assessment at the US Environmental Protection Agency in the Office of Pesticides and Toxic Substances. She served as the Acting Chief of Toxicology and the OPP Project Officer for research, overseeing projects at several EPA research facilities as well as the lead toxicologist for risk assessments on many pesticides. At EPA Dr. Chaisson designed and created the first computerized dietary exposure assessment model. She was also the liaison to international regulatory agencies such as AID and WHO.

From 1985 to 1998, Dr. Chaisson was president of Technical Assessment Systems (TAS), which became the premier exposure/risk assessment consulting firm internationally. Through TAS, she introduced modeling concepts such as population subgroup specificity, better definition of residues in forms of foods and sources of drinking water, use of human activity patterns and actual chemical usage patterns for more accuracy and relevance in risk assessment models. Her regulatory strategies have been important advances for both industry and government. Through these experiences, Dr. Chaisson has become well versed in the risk assessment needs of regulators in the U.S., U.K., Canada, Germany, and European Union. In December of 1998, the acquisition of TAS by ENVIRON Corporation was completed, and Dr. Chaisson piloted a cooperative venture with Hampshire Research Institute and Paul S. Price which later evolved to The LifeLine Group.

Over the past two years, Dr. Chaisson has collaborated with LifeLine colleagues to develop improved versions of the software as well as development of consumer chemical priority assessment tools based on exposure profiles. She has participated in development of models designed to interface with pharmacokinetic and pharmacodynamic models to better reflect actual dose/effect relationships. Such an interface model has been developed by The LifeLine Group as part of a research project with the American Chemical Council.

Dr. Chaisson's skills in communication and visualization of the risk assessment process—and its consequence to society—has attracted many speaking opportunities and positions on policy boards. Dr. Chaisson also serves on the National Council for Arts and Sciences of the George Washington University and the Dean's Advisory Board for the GWU Graduate School of Political Management. She is an advisor to *Food Quality* magazine. She has been a member of ISEA since its earliest years and now serves on the Board as a Councilor.

Dr. Chaisson serves as a Director and Officer of The LifeLine Group and project lead on the Tribal LifeLine Project as well as other model development projects.

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### **Paul S. Price, M.S., Director**

Mr. Price is recognized as a national expert on exposure, non-cancer risk assessment, and the use of probabilistic techniques with 30 years of experience with government, industry, and trade associations. He has authored more than 20 peer-reviewed publications, has made more than 100 professional presentations on exposure and risk related topics, and served on a number of government panels and committees on exposure and toxicity related issues. Mr. Price is the developer of microexposure event modelling and other advanced techniques for characterizing exposure and risk.

Mr. Price began his career working on a number of laboratory and field projects involved with environmental monitoring. In 1979, he joined EPA Office of Toxic Substances where he developed integrated risk assessments for regulations under Sections 4, 5, and 6 of TSCA. In 1983, Mr. Price joined the Office of Water where he developed technical findings on exposure for drinking water standards and drinking water health advisories.

Mr. Price was with the American Petroleum Institute (API), a trade association for the petroleum industry, for five years where he staffed the Benzene Task Force. This group directed API's research program to evaluate risks from benzene in petroleum products. While at API, he was part of a complex and successful project to reconstruct the benzene exposures for the Pliofilm cohort and developed a Monte Carlo model of the effect of mobility on estimates of long-term exposures to pollutants. He also provided detailed technical support to API's Office of General Council on technical aspects of Federal litigation on RCRA and Superfund actions.

From 1991 to 2000, Mr Price was a consultant to government and industry. During this time he managed the first EPA CRADA in the field of risk assessment. Other project included probabilistic modelling of longitudinal exposures to environmental contaminants and resulting changes in body burdens, probabilistic modelling of dose-response information, pesticide exposure, fish consumption, exposure duration, and risk and exposure policy issues.

Mr. Price holds a B.A in chemistry and M.S. in civil engineering from the University of Maryland. He also has a graduate degree in Religious Studies from Regent College, Vancouver BC. Mr. Price is the recipient of a number of awards including Outstanding Paper in Risk Assessment (Society of

Toxicology), two awards for Outstanding Presentation in Risk Assessment (Society of Toxicology), and top ten publications in the field of risk assessment (Society of Toxicology). Mr Price is the recipient of two EPA Bronze Medals. He has served as Officer (Treasurer) for the Society for Risk Assessment and as a councillor for the International Society for Exposure Assessment. He is a charter member of both societies.

Mr. Price serves as a Director and Officer of The LifeLine Group and is the co-project leader for the development of the versions of LifeLine for the general U.S. population as well as other model development projects.