

A new approach to risk assessment and management in urban public health and planning

New technologies for air pollution health impact assessment were implemented, tested and validated in the cities of Ottawa and Windsor.

The MAGIQA Enhanced Suite of tools supports a new approach to the visualization and evaluation of scenarios in planning and population health through the simulation and generation of current and future scenarios using real-time data

Together, our customized MAGIQA Enhanced Suite includes:

Our user-friendly graphical interface features:

- Core Mapping and Statistical applications Base Module
- Traffic Application Module
- Climate Change Applications Module
- Street Canyons Scenario Module

Our full service support package provides:

- Customization of the MAGIQA Enhanced Suite with your data
- Data and Software Updates
- Training in the utilization of the MAGIQA Suite of tools from introductory to expert levels
- Support in performing your first analysis of the data, generating your first report, and making your first presentation
- Support in Risk Communication

A Collaborative Products and Services Team: A-MAPS and RSI

A-MAPS and RSI have successfully developed health risk software applications integrated with geospatial technologies.

Together, A-MAPS and RSI offer expertise in geospatial technologies, and human health risk assessment, management and communication.

Our MAGIQA tools inform planning and human health decisions by generating and analyzing real-time data and providing tools to explore a variety of scenarios.

CONTACT US

A -MAPS Environmental Inc.

www.amapsenv.com

info@amapsenv.com

Tel: 613-270-9378

Fax: 613-599-7451

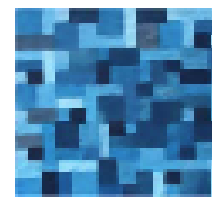
Risk Sciences International Inc.

www.risksciencesint.com

info@risksciencesint.com

Tel: 613-260-1424

Fax: 613-260-1443

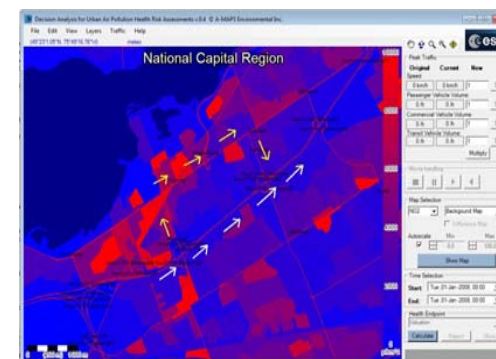


**A-MAPS
Environmental**



MAGIQA

an interactive decision-support tool for air quality risk management and public health protection



MAGIQA

an interactive decision support tool for air quality risk management and public health planning

Anticipated

Understand potential health effects to support public health risk management and planning decisions.

Visualized

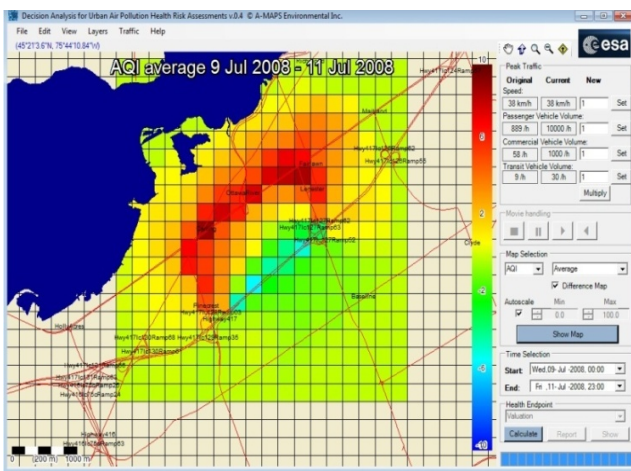
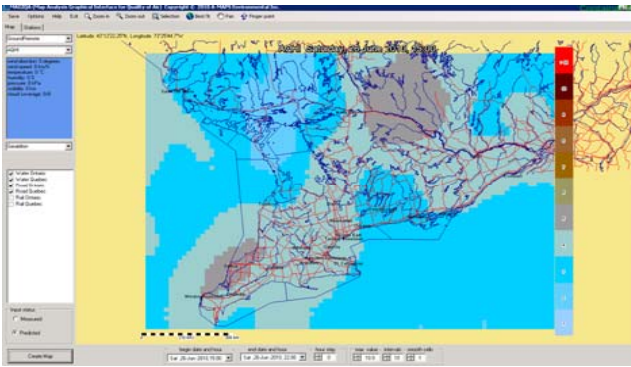
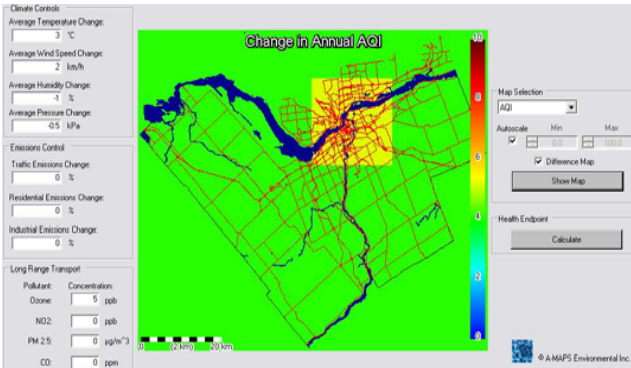
Geospatially display satellite and air quality monitoring data. Explore scenarios for planning and decision-making.

Customized

Enhance the interactive tool's capabilities with the inclusion of local air quality, traffic, and population density data.

Supported

From **customization to implementation, training and risk communication**, A-MAPS and RSI can support you from your first map to your first presentation, and beyond.



Public Health

Create scenarios to explore potential health impacts. Examples of scenarios include changing traffic patterns or volumes, siting of pollutant sources or susceptible populations, changing wind patterns or temperatures.

Short term: Forecast air quality for up to 48 hrs in advance. Anticipate air quality and short-term impacts on health care facilities.

Medium term: Generate customized scenarios to predict outcomes using defined Health Endpoints.

Long term: Model regional effects of climate change for use in developing adaptation strategies.

Urban Planning

Visualize and quantify changes to new or existing developments.

Traffic Planning

Anticipate effects such as road closures, road maintenance, or change to volume or flow. Model public health impacts of proximity to high traffic locations.

Multi-Regional Initiatives

Generate scenarios for multi-regional planning initiatives such as health protection, traffic modification efforts and airshed and watershed planning initiatives.

NewReport.csv - OpenOffice.org Calc

Endpoint Report
 Dates: 9 Jul 08 to 11 Jul 08

Endpoint	Cases	Valuation (\$)
Acute Exposure Mortality	0.03	160000
Acute Respiratory Symptom Days	220	3700
Asthma Symptom Days	15	970
Minor Restricted Activity Days	27	740
Respiratory Emergency Room Visits	0.07	180
Respiratory Hospital Admissions	0.01	92
Adult Chronic Bronchitis	0.04	17000
Cardiac Emergency Room Visits	0	21
Cardiac Hospital Admissions	0	19
Child Acute Bronchitis Episodes	0.2	91
Chronic Exposure Mortality	0.04	200000
Restricted Activity Days	47	2900
Elderly Cardiac Hospital Admissions	0	19
Total Valuation		390000

