

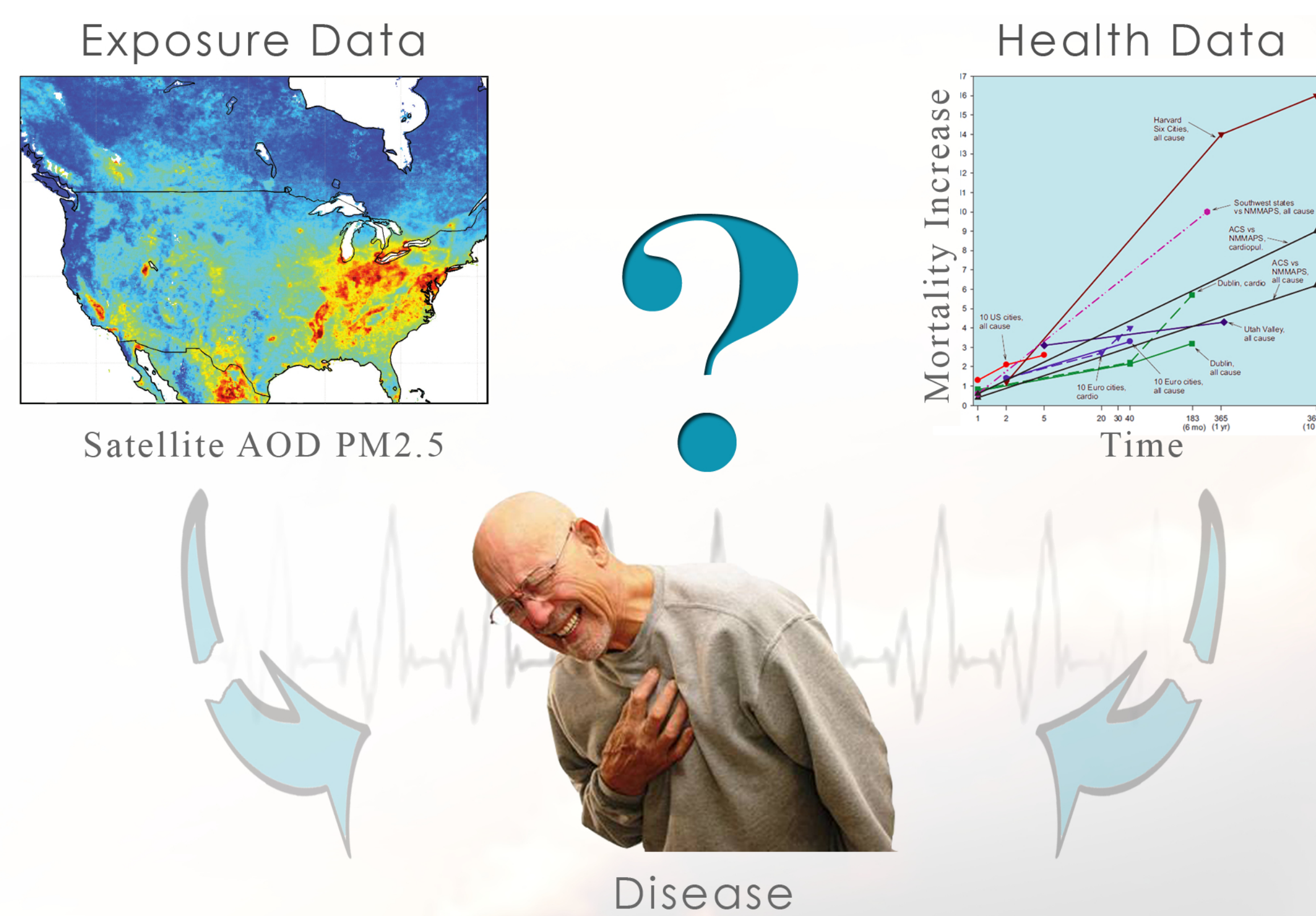
AirAtlas • Visualizing the link between Air Quality and Mortality

Degree Capstone Project: June 6, 2013
Master of Science in Information Management, The Information School, University of Washington

PROBLEM

The **link** between polluted air and disease is **invisible**

At least 80% of the world's population breathes unhealthy air that contributes to preventable hospitalizations and premature deaths from heart disease, stroke, and other ailments. Public awareness about these risks is remarkably limited.



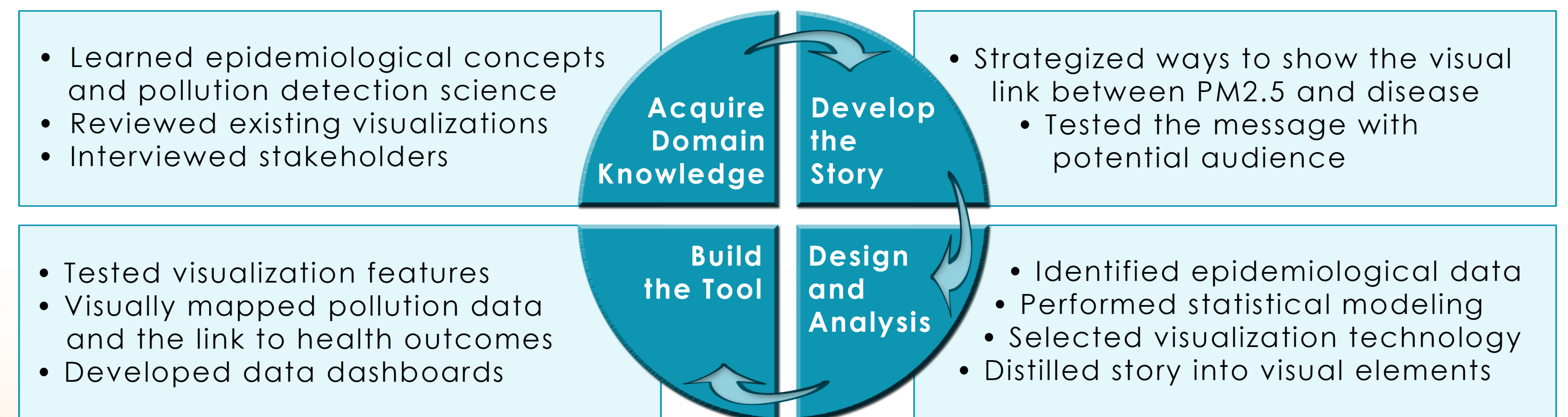
Decades of research link air pollution and mortality, yet informational tools that demonstrate this link in an accessible, straightforward manner are scarce.

The Canadian Environmental Health Atlas, a project of Simon Fraser University, seeks to bridge this gap.

Our goal is to present complex science through a comprehensible, interactive visual experience.

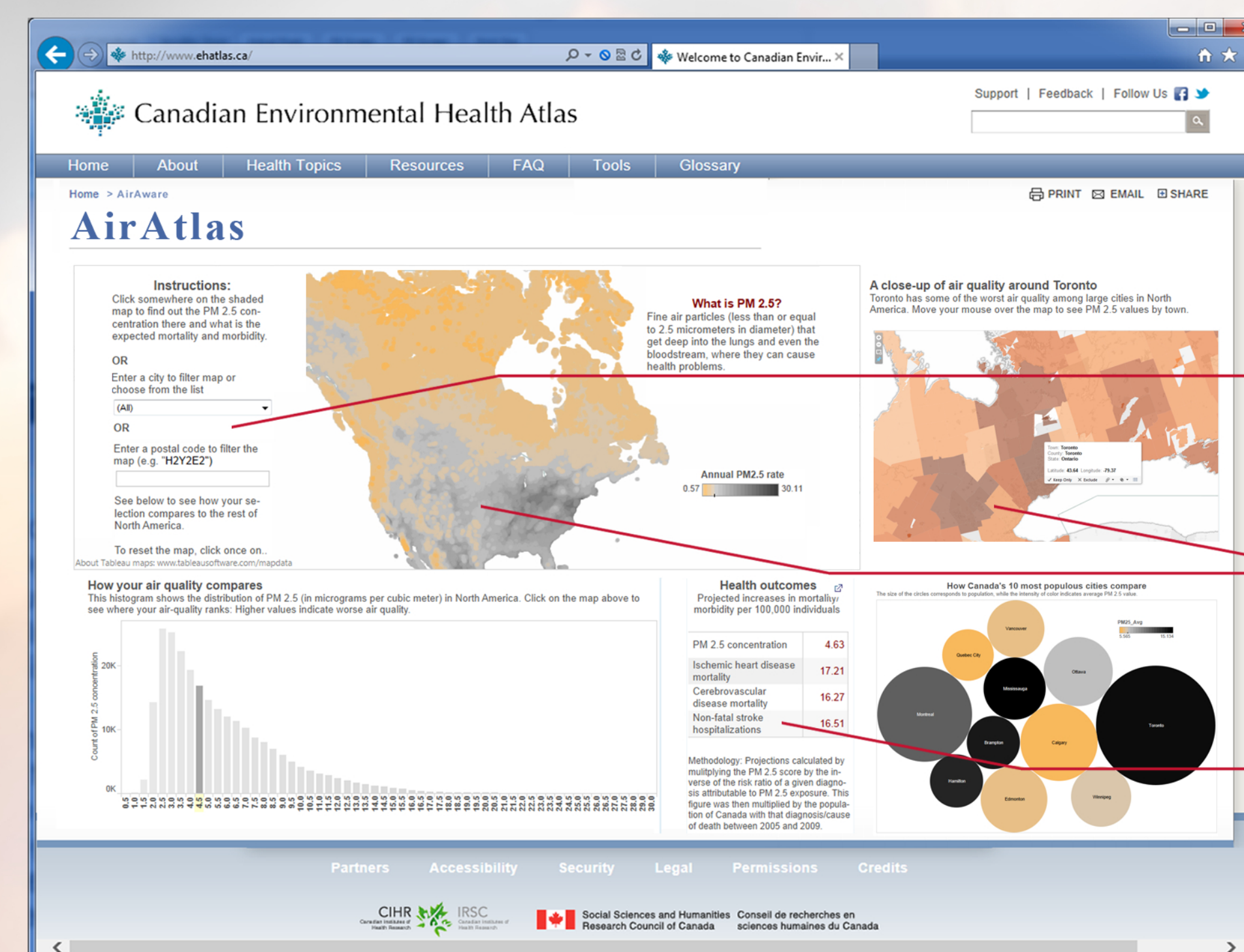
PROCESS

Visualizing complex science for the public is the challenge



PRODUCT

AirAtlas makes the link **visible**



Look up air quality & health effects by city or postal code

Clickable maps show PM2.5 levels

Tables and charts reveal associated health effects

Exposes disparities in access to clean air and associated health outcomes.

Informs local discussions on pollution sources and ways to mitigate the impact.

Empowers citizens and policymakers to take informed action on air pollution and its effects.

Demonstrates an extensible, sharable template for future visualizations of environmental health threats.