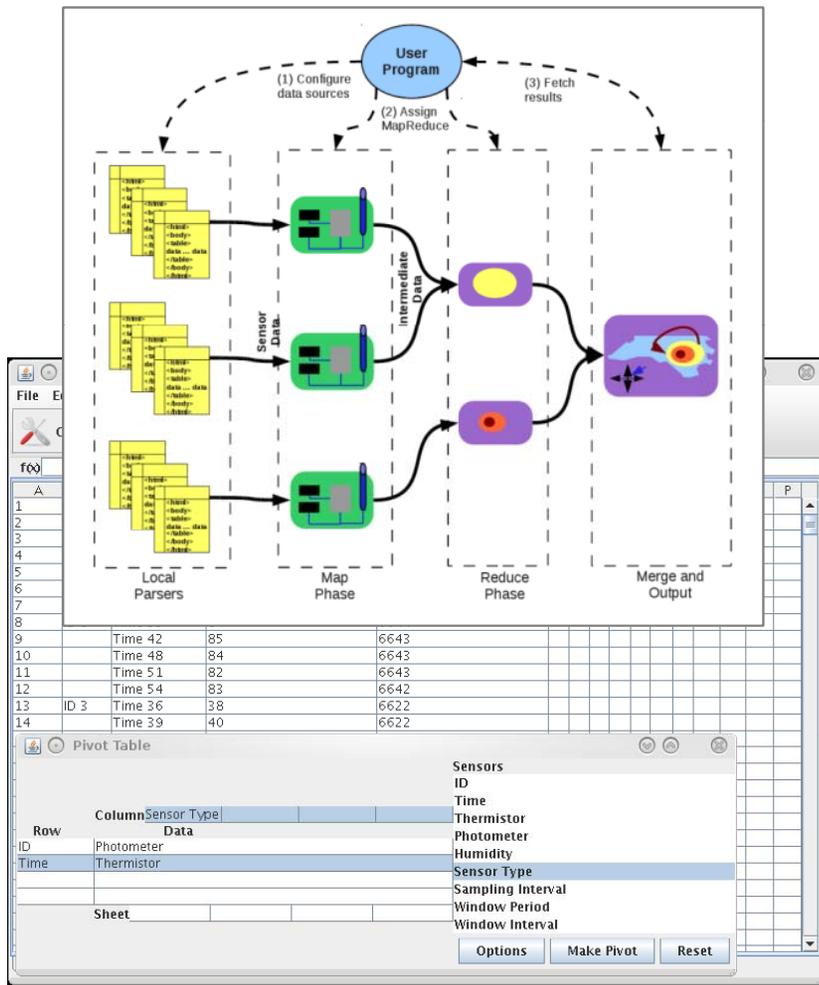


Tables and SenseReduce Programming Interfaces



Problem Statement:

- The difficulty in fusing, analyzing, and visualizing the large amount of data from in-situ sensor networks, web-based sensors, and mobile users requires new user-friendly, scalable analysis tools

Technical Approach:

- Tables provides a spreadsheet-inspired programming tool that can collect, filter, and analyze real-time sensor data
- Tables uses the SenseReduce programming model, a MapReduce-inspired model that aggregates data from multiple sources in a scalable, efficient manner

Benefit:

- Simple and scalable tools to analyze heterogeneous sensor data using familiar user interfaces

Point of Contact: James Horey
 (865) 574-1475
 horeyj1@ornl.gov