MICHIGAN STATE UNIVERSITY

Alpha Presentation
Global Emissions Inventory Water Dashboard

The Capstone Experience

Team Dow

Tony Curley
Nate Henry
James Solomon

Department of Computer Science and Engineering
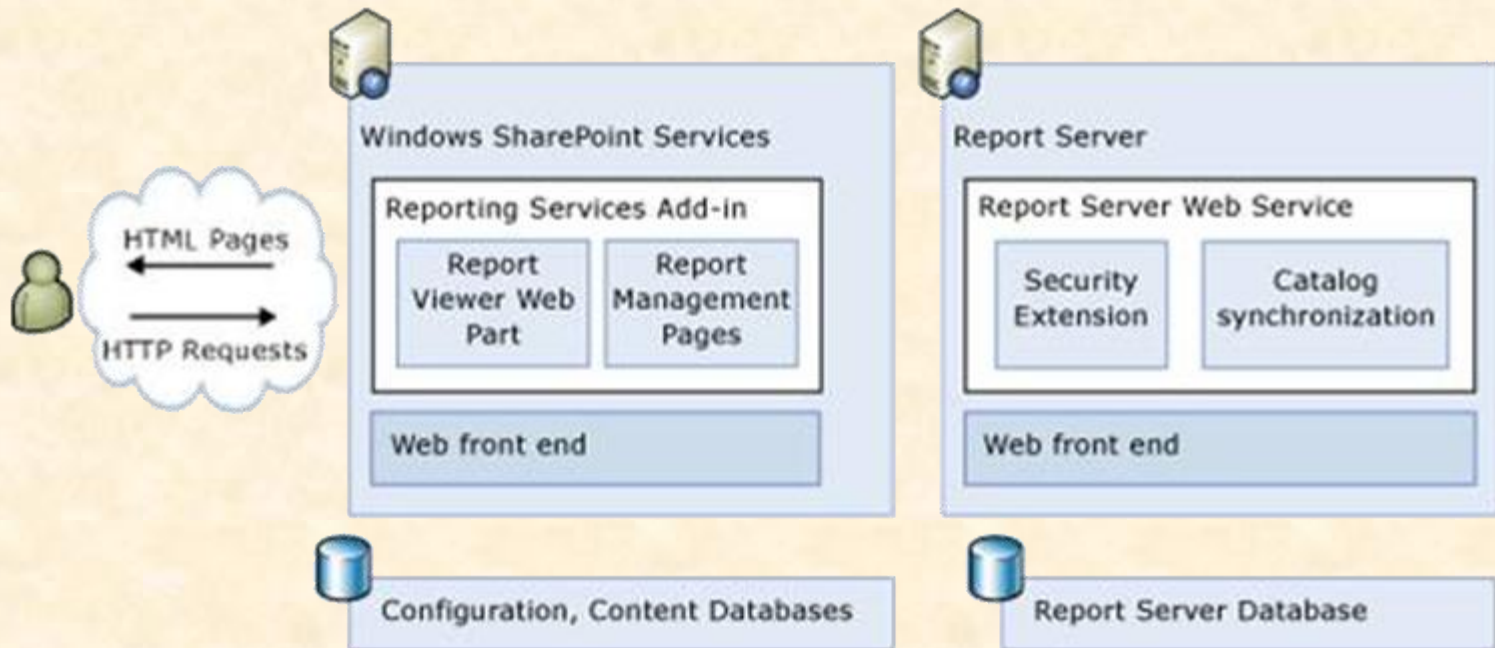Michigan State University

Spring 2012

From Students…
…to Professionals

Project Overview

- Reusable SharePoint WebParts

- Visual display of Dow Plant emissions data

- Integrated map displaying filtered plant sites

- Dynamic SSRS analytical data

System Architecture

Screen Shot of PowerPivot Data

Screen Shot of Map

Screen Shot of Map with Selection

Ontario, Canada
Latitude:50 Longitude -80

Add Site | Generate Report | Close
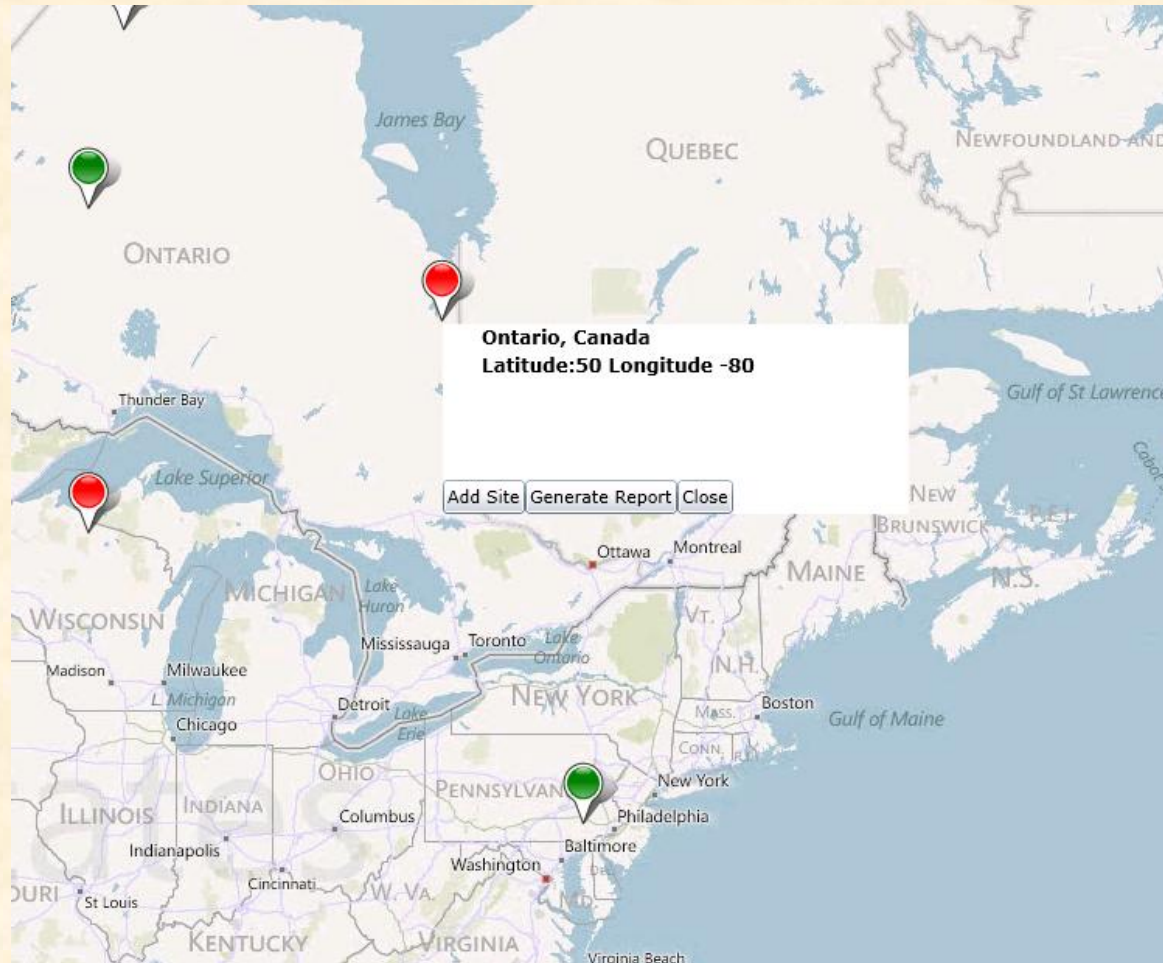
Screen Shot of Reporting Service

Screen Shot of Generated Report

What's left to do?

- Start-up Dashboard

- Secure Data Connections

- Vastly improved UI

- Map filtering

- Extensive testing