# **High Performance Computing - Airnow Simulation**

Team:

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#### MPI:

Python Master Process
C++ Worker Processes

Data Dispersion methodology: Scatter Gather

Data serialized into JSON format for transport

## **Data Organization / Disk Storage:**

Maintained datasets original organization

### **Shared Memory:**

Shared Memory access to baseline data records

#### Threading:

Worker nodes process data in parallel with OpenMP

## **System Architecture**

