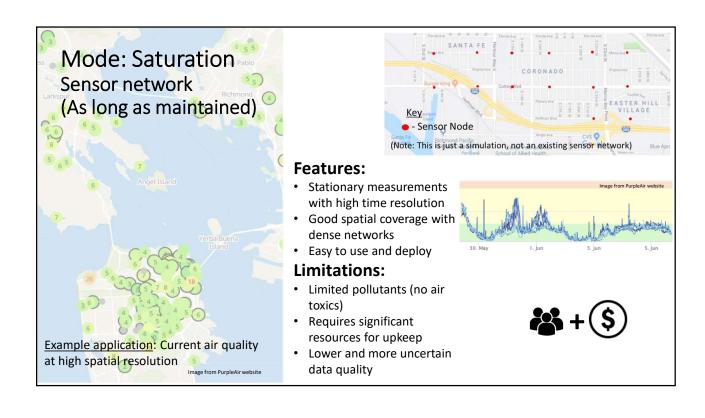
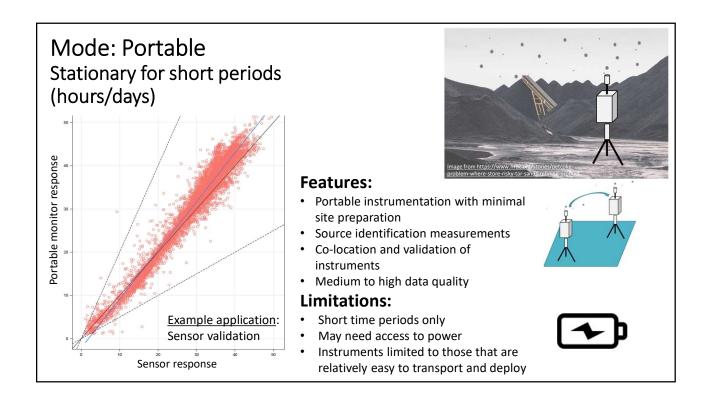
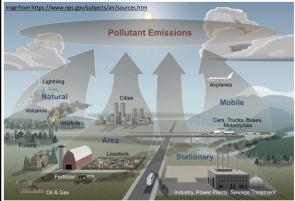
# Air Quality Monitoring Modes

## Mode: Mobile Making measurements while in motion **Features:** · Quickly screen for air pollutants over a broad spatial area • Multiple passes can reveal areas having high pollutant impacts Results help direct resources and additional monitoring efforts **Limitations:** • Air quality information at a given place at a given time Many passes required to build **Example application: Maps** confidence in results to analyze and interpret hot Vast amounts of data requiring spots complicated analysis · Build out of unit may be costly





# Mode: Short-term Stationary for moderate periods (weeks to months)



**Example application**: Source attribution

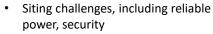


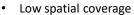
### **Features:**

- · Possible to move
- Short-term trends of pollutants (daily, weekend/weekday)
- Can employ a wide range of instruments yielding many pollutants
- High data quality

### **Limitations:**

 Moving may be difficult depending on size



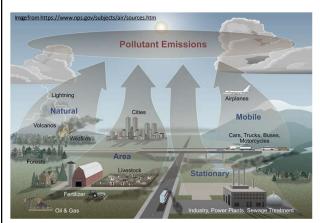


· Build out of unit may be costly





## Mode: Long-term Stationary for long periods (one year or more)



**Example application**: Regional air quality

#### Features:

- Long term trends of pollutants (monthly, seasonal)
- Can employ a wide range of instruments yielding many pollutants
- · High data quality

#### **Limitations:**

- Moving not as easy
- Siting challenges, including reliable power, security, rent
- Stationary, so no spatial coverage
- Build out of unit may be costly





