Pollution trends

```
USE pollution;
SELECT `City or Locality`, `Measurement Year`,
      AVG(`PM2.5 (µg/m3)`)  AS avg_pm25,
      AVG(`PM10 (µg/m3)`)  AS avg_pm10,
      AVG(`NO2 (µg/m3)`)  AS avg_no2
FROM  PollutionData
GROUP BY `City or Locality`, `Measurement Year`
ORDER BY `City or Locality`, `Measurement Year`;
```

West and East Europe

```
-- Compare air pollution levels in Western & Eastern European capitals for 2019
SELECT
   `Country Name` AS Country,
   `City or Locality` AS Capital_City,
   `Measurement Year` AS Year,
   `PM2.5 (µg/m3)`,
   `PM10 (µg/m3)`,
   `NO2 (µg/m3)`,
   CASE
      WHEN `Country Name` IN ('France', 'Germany', 'UK', 'Netherlands', 'Belgium',
'Switzerland', 'Austria', 'Spain', 'Portugal', 'Italy', 'Ireland', 'Luxembourg') THEN 'Western Europe'
      WHEN `Country Name` IN ('Poland', 'Czech Republic', 'Hungary', 'Slovakia', 'Romania',
'Bulgaria', 'Ukraine', 'Serbia', 'Croatia', 'Slovenia', 'Lithuania', 'Latvia', 'Estonia', 'Moldova') THEN
'Eastern Europe'
      ELSE 'Other'
   END AS Region
FROM PollutionData
WHERE `Measurement Year` = 2019
AND `Country Name` IN (
   'France', 'Germany', 'UK', 'Netherlands', 'Belgium', 'Switzerland', 'Austria', 'Spain', 'Portugal',
'Italy', 'Ireland', 'Luxembourg',
   'Poland', 'Czech Republic', 'Hungary', 'Slovakia', 'Romania', 'Bulgaria', 'Ukraine', 'Serbia',
'Croatia', 'Slovenia', 'Lithuania', 'Latvia', 'Estonia', 'Moldova'
);
```

WHO Limit

```
-- Compare air pollution levels in Western & Eastern European capitals for 2019
SELECT
   `Country Name` AS Country,
   `City or Locality` AS Capital_City,
```

```
    `Measurement Year` AS Year,
    `PM2.5 (µg/m3)`,
    `PM10 (µg/m3)`,
    `NO2 (µg/m3)`,
    CASE
        WHEN `Country Name` IN ('France', 'Germany', 'UK', 'Netherlands', 'Belgium',
'Switzerland', 'Austria', 'Spain', 'Portugal', 'Italy', 'Ireland', 'Luxembourg') THEN 'Western Europe'
        WHEN `Country Name` IN ('Poland', 'Czech Republic', 'Hungary', 'Slovakia', 'Romania',
'Bulgaria', 'Ukraine', 'Serbia', 'Croatia', 'Slovenia', 'Lithuania', 'Latvia', 'Estonia', 'Moldova') THEN
'Eastern Europe'
        ELSE 'Other'
    END AS Region
FROM PollutionData
WHERE `Measurement Year` = 2019
AND `Country Name` IN (
    'France', 'Germany', 'UK', 'Netherlands', 'Belgium', 'Switzerland', 'Austria', 'Spain', 'Portugal',
'Italy', 'Ireland', 'Luxembourg',
    'Poland', 'Czech Republic', 'Hungary', 'Slovakia', 'Romania', 'Bulgaria', 'Ukraine', 'Serbia',
'Croatia', 'Slovenia', 'Lithuania', 'Latvia', 'Estonia', 'Moldova'
);
```

Environmentally regulated cities

```
use pollution;
SELECT `City or Locality`, `Measurement Year`,
       AVG(`PM2.5 (µg/m3)`)  AS  avg_pm25
FROM PollutionData
WHERE `City or Locality` IN ('Paris', 'Berlin', 'Stockholm', 'London')
GROUP BY `City or Locality`, `Measurement Year`
ORDER BY `Measurement Year`;
```