Regional Emissions Inventory

- Inventory Areas
  - Outside Louisiana
  - 36K/12k/04K Grids

- NOx, VOC and CO Emissions for Sources Categories
  - Point
  - Area
  - Non-Road Mobile
  - On-Road Mobile
  - Shipping
Modeling Domain

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**Louisiana WRF/CAMx Modeling Domains**

- **CAMx**
  - 36 km: $148 \times 112$ (2736, 2088) to (2592, 1944)
  - 12 km: $159 \times 141$ (-288, -1584) to (1620, 168)
  - 4 km: $218 \times 126$ (-72, -1224) to (536, -720)

- **WRF**
  - 36 km: $165 \times 129$ dot points (-2952, -2304) to (2952, 2304)
  - 12 km: $172 \times 164$ dot points (-360, -1668) to (1652, 180)
  - 04 km: $223 \times 139$ dot points (-48, -1243) to (960, -636)
Inventory Outside Louisiana

- 2008 NEIv2.0
  - Area Sources
  - Non-Road Mobile Sources
  - Non-CEM Point Sources
  - Shipping
- 2008 Hourly CEM
  - CEM reporting Sources
- MOVES On-Road Mobile Source
- Other Categories
  - Canada (Environment Canada 2006)
  - Mexico (Mexico National 1999 to 2008 projection)
2008 NEIv2.0

- 2008 NEIv2.0 Updates:
  - Revised Spatial Surrogates
  - Area Source Categories
    - Residential Wood Combustion
    - Railroad
    - Inland Marine
  - Nonroad
    - Monthly NONROAD modeled Emissions
2008NEIv2 NonRoad Sources
2008NEIv2 Area Sources

36K Grid

Summer Day NOx
a=agts_l20080719.1.conus36.2008.ncf

July 19, 2008 17:00:00
Min= 0.000 at (1,1), Max=92515.383 at (129,67)
MOVES Mobile Sources

- MOVES 2010a
- Outside Louisiana
  - Inventory Mode
  - County level representative days
    - Weekday and Weekend Day per Month
MOVES On-Road Sources