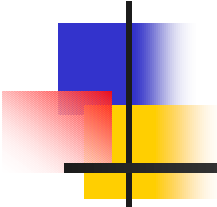


# NMIM: EPA's Consolidated Emissions Modeling System for MOBILE and NONROAD



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NARSTO Emission Inventory  
Workshop

15 October 2003





# What is NMIM?

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- The **N**ational **M**obile **I**nventory **M**odel is a consolidated emissions modeling system for EPA's MOBILE and NONROAD models.
- Main use case: national county-level inventories for NEI, rulemaking.
- NMIM combines a Java framework with MOBILE, NONROAD, and a national county database.
- Capable of stand-alone or distributed processing.



# What NMIM is not

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- NMIM is not a complete GUI front-end for MOBILE and NONROAD.
- NMIM is not a substitute for the complete reworking of MOBILE and NONROAD that is taking place in MOVES.



# Basic NMIM Operation

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- The NMIM GUI takes the user's choices of source, time period, pollutant, and produces an XML "Run Specification," which can be executed from the GUI or from a command line.
- Produces the appropriate input files for NONROAD and MOBILE, runs them, generates inventories, and collates the results into an output database.
- Can produce results for 1999-2050, 60 pollutants.



# NMIM Post-Processing

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- NMIM includes a postprocessor that can aggregate in a variety of ways and produce database tables, tab-delimited files, or NIF3.0 format.
- The NMIM GUI takes the user's choices and produces an XML "Aggregation Specification," which can be executed from the GUI or from a command line.



# Expansion & Release Plans

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- Ability to accept more State- and county-specific data
  - MOBILE commands, speed distributions, relative humidity
  - NR population, allocation files
- Release this year or early next year
- Guidance for States to provide improved data.