

Models-3

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on assignment to OAQPS

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CMAQ

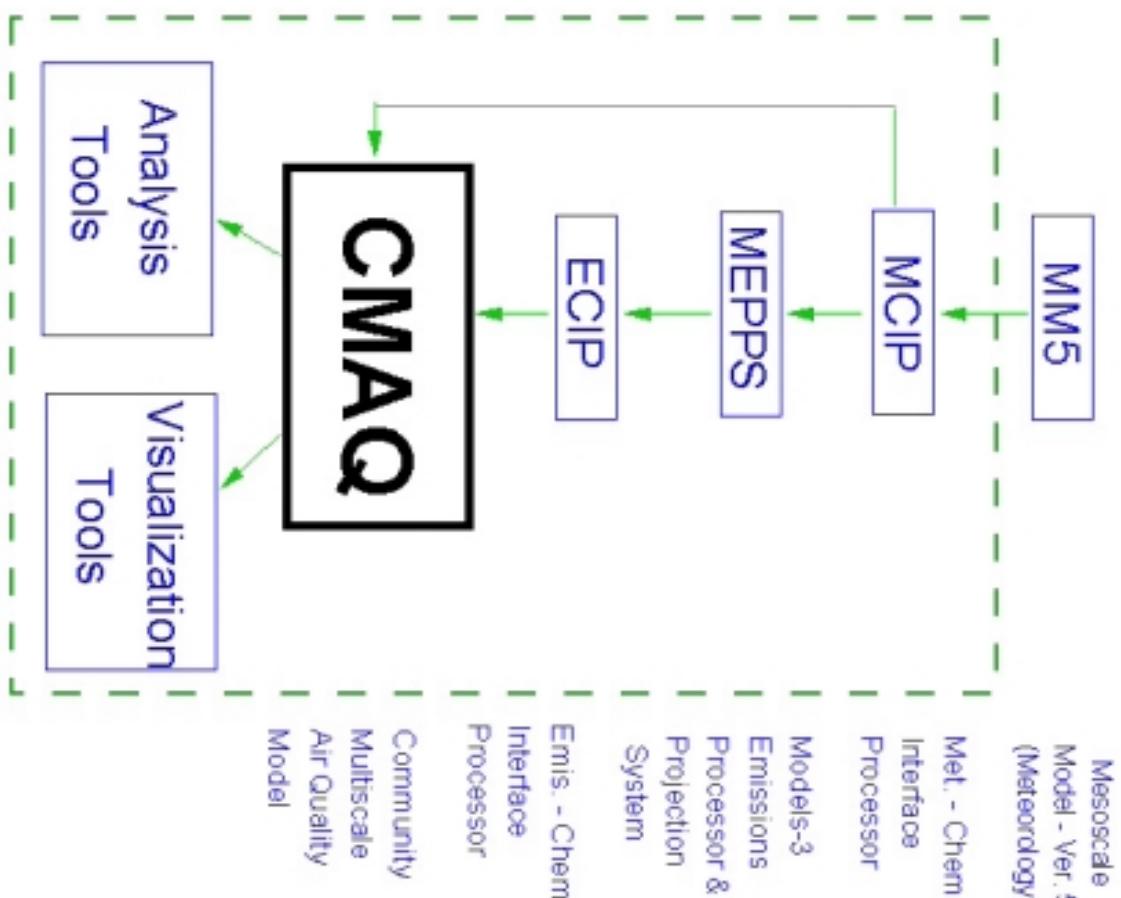
- 3rd Generation Air Quality Modeling System
- Multi-scale
- Multi-pollutant
- Gas-phase chemistry
- Multiple solvers
- Plume-in-grid

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“Framework”

- Graphical user interface
- Control of data flows/file tracking
- Assistance in setting up new applications
- Multi-platform
- MM5 v3
- Monocode/Fortran 90 compatible

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Requirements

- *Scientific merit*
 - Peer Review/Science Document
- *Accuracy*
 - Evaluation
- *Regulatory issues*
 - Proof-of-concept
- *Public Review*
 - Workshops/Modeling Conference

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CMAQ Evaluations

- Ozone operational evaluations
 - July 2-18, 1995
 - 36/12/4 km resolution domains
 - NARSTO-NE
 - SOS Nashville 1995
- PM operational evaluations
 - SOS Nashville, Atlanta 1999
 - NE-OPS Philadelphia 1999

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Proof of Concept

- Western domain episode for ozone
- Full nesting for PM and ozone
- Annual, national run for PM and ozone

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Training

- Installation/user's guide
- Tutorials
- Residence training
- Help desk
- Workshops

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Future needs

- CMAQ activities
- Framework activities
- Center for Air Quality Modeling and Analysis
(CMAS)