

# COARSE-MAP

A new project

Goals: compile and synthesize available information about the coarse mode aerosol

Coordinators: Heikki Linhavainen, Natalie Mahowald, Ron Miller, Christine Wiedinmyer

Collaborators: Ana Aguilar-Islas, Maria Grazia Alaimo, Andres Alastuey, Samuel Albani, Paulo Artaxo, Stuart Batterman, Gilles Bergametti, Janice Brahney, Clifton Buck, Susannah Burrows, Ying Chen, David Cohen, David J. Diner, Robert Duce, Yan Feng, Michael J. Garay, Cassandra J. Gaston, Paul Ginoux, Dario Gomez, Cecile Guieu, Hannelle Hakola, Douglas Hamilton, Jenny Hand, Roy Harrison, Barak Herut, Christoph Hueglin, Akinori Ito, Ralph A. Kahn, Maria Kanakidou, Katriina Kyllonen, William Landing, Benoit Laurent, James A. Limbacher, Remi Losno, Zifeng Lu, Katherine Mackey, Willy Maenhaut, Ulla Makkonen, Beatrice Marticorena, Nikos Mihalopoulos, Chad Milando, Stelios Myriokefaitakis, Jason Neff, Marco Pandolfi, Adina Paytan, Carlos Perez Garcia-Pando, Marje Prank, Joseph Prospero, Xavier Querol, Sergio Rodriguez, Elisa Tamburo, Daniela Varrica, Michelle Wong, Yan Zhang

# Coarse mode important for BGC, IN and LW

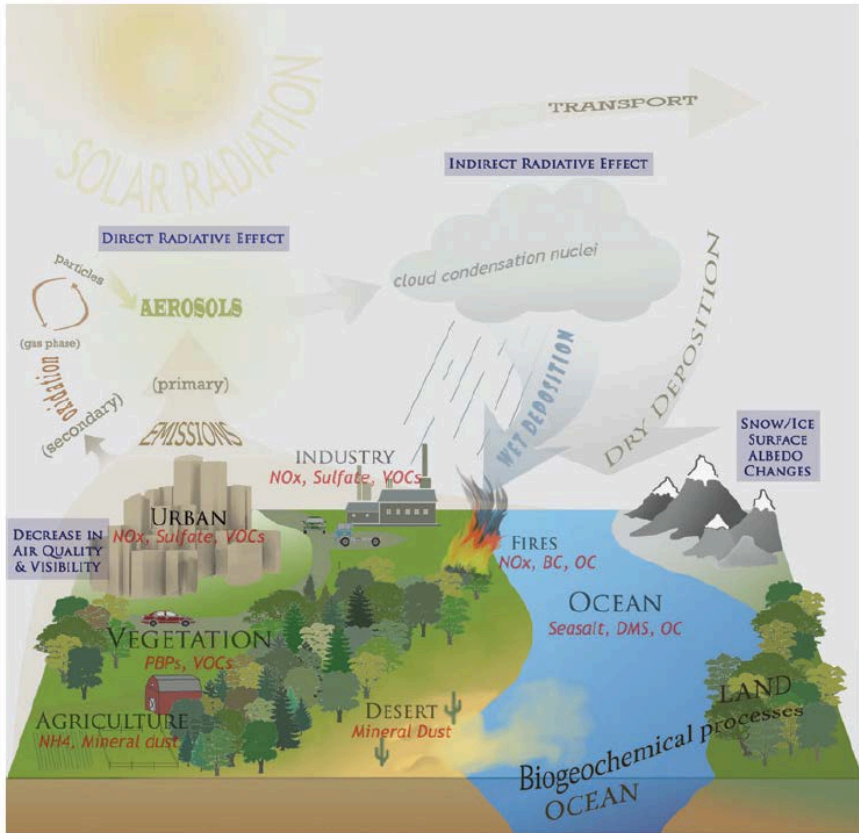
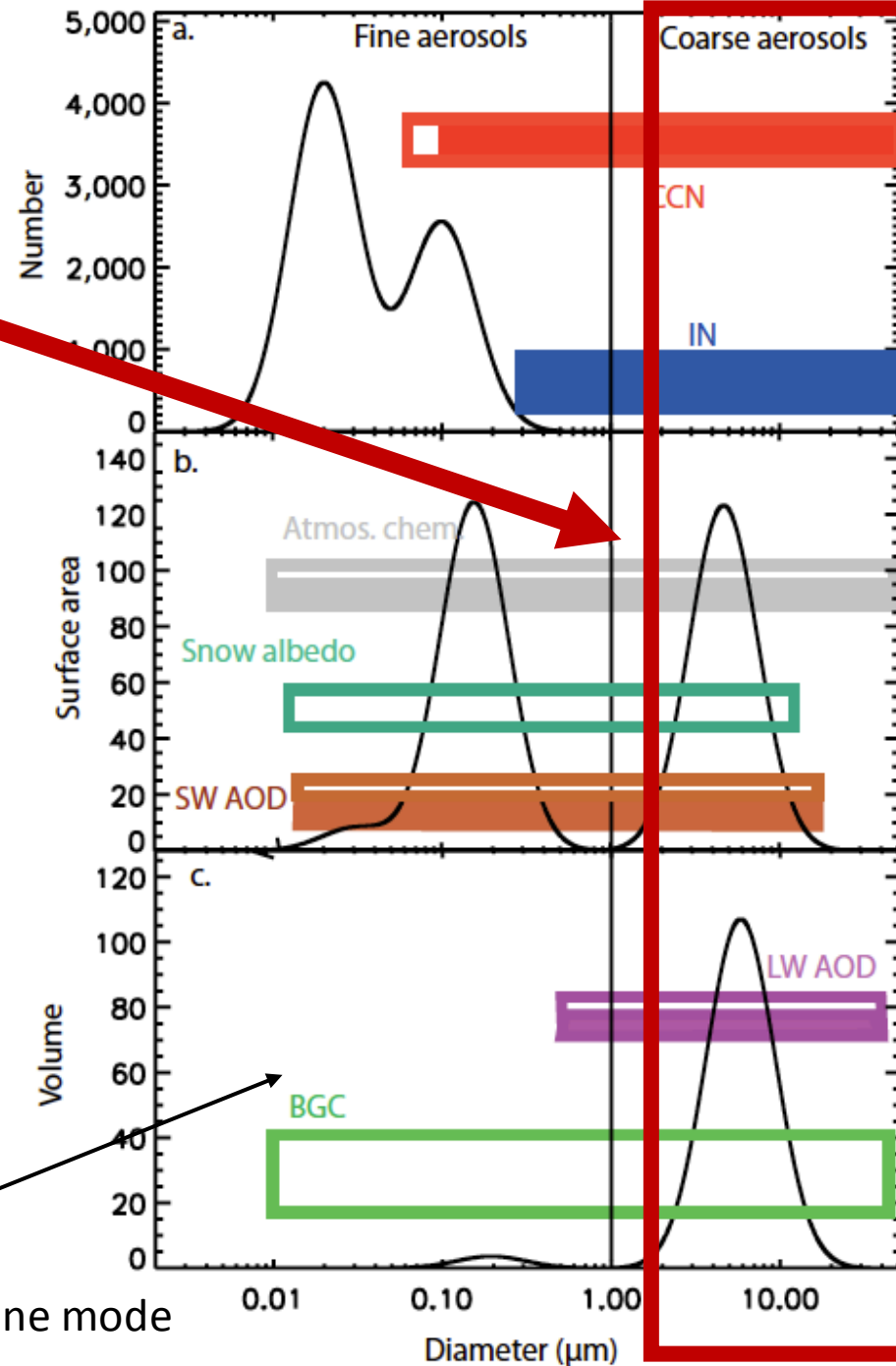


Figure 1  
Schematic of aerosol sources, composition, transport, deposition, and impacts on climate and biogeochemistry.



Other compilation projects focused on fine mode

# COARSE-MAP Tasks

- In progress:

- Task 1: Gather meta data on coarse mode observational in situ data
- Task 2: Compile observational data and synthesize

- Future:

- Task 3: Publish synthesis
- Task 4: Compare to remote sensed and model output
- Use for model inter-comparisons

# Status

- Seeking potential collaborators
- All PIs and Co-Is who provide data used in publications will be offered co-authorship on resulting papers, the right to withdraw data, edit the paper, etc.
- Partners are encouraged to contribute scientifically to the effort.
- Original data will not be made available, but monthly or annual average data, in consistent formats would be a goal for the syntheses, and the provider of data would be coauthor on that synthesis paper.

# Contact

<http://www.geo.cornell.edu/eas/PeoplePlaces/Faculty/mahowald/COARSEMAP/>

[Mahowald@cornell.edu](mailto:Mahowald@cornell.edu)