

4th AEROCOM workshop

15-17 June Oslo

acknowledgment for support from

Participating Institutions

European Science Foundation

ACCENT

EU PHOENICS / EU CREATE / CNES

University of Oslo

Goals of workshop

- Guide future model development
- Discuss current aerosol science problems
- Improve integration of models and observations
- Discuss aerosol radiative forcing estimates
- Plan future AEROCOM activities

Programme blocks

- WED: AeroCom - where we are
- WED: Vertical distribution
- THU: Direct radiative forcing
- THU: Poster and web tool session
- THU: Aerosol Model development
- THU: Indirect effect
- FRI: Humidification of aerosol
- FRI: AeroCom products and future

Remarks on AeroCom future I

- Integration into future European projects absolutely required (scientific exchange & wo/manpower)
- Support letters from Participants / Institutions would be helpful
- Short term (6-12 months): Papers on forcing / weighted forcing / vertical distribution / B versus A / AEROCOM climatology / specials on individual components SS, DU, BCPOM, SO₄ / absorption / indirect effect / indirect validation
- AEROCOM data base requires completion / clarification
Review panel looking through segments of web image database?
Reactivity of participants?

Remarks on AeroCom future II

- WEB interface
password protections to be removed
Simplification and editorial review (who?)
- Future model submissions along stricter rules:
netCDF formatted files using AEROCOM file and naming rules,
based on AEROCOM nco scripts (made available)
- Frequency of model submissions of improved model version (ExpA):
Max. once every year
- LSCE takes care of catalogue production and storage
- Projects may use AeroCom database, catalogue tools and web tools
in exchange of « support wo/manpower »
for maintaining AeroCom beneficial to all contributors

Remarks on AeroCom future III

- Using the AeroCom database?
 - Project descriptions required and circulated to contributors
 - Coauthorship offered to contributors
 - DODS access ?
 - Link to new model analysis tools: AUTOMOD, IPCC database?
 - Observational data integration on individual project basis
- One new experiment every 2nd year?
 - Whats next?
 - Detailed size distribution and hygroscopicity validation experiment ?
 - Passive tracer ?
 - Emission sector experiments?
 - Indirect effect validation experiment - by more models?
- Frequency of AEROCOM workshops once per year alternating Europe / US ?