

2nd ECARS SUMMER SCHOOL AGENDA

Period: 3-12 April 2017

Monday 3 April

10:00 – 11:00: “Ground-based validation of spaceborne lidar measurements” (Vassilis Amiridis)

11:00 – 11:30: Coffee Break

11:30 – 13:00: Separation in Working Groups

13:00 – 14:30: Lunch break

14:30 – 18:00: Training activities and PRE-TECT briefing

Tuesday 4 April

10:00 – 11:00: “PM monitoring from space” (Matthias Tesche)

11:00 – 11:30: Coffee Break

11:30 – 13:00: “PM monitoring from space” (Matthias Tesche)

13:00 – 14:30: Lunch break

14:30 – 18:00: Training activities and PRE-TECT briefing

Wednesday 5 April

10:00 – 11:00: “Remote sensing for assimilation and validation of dust forecasts” (Stavros Solomos)

11:00 – 11:30: Coffee Break

11:30 – 13:00: “Remote sensing for assimilation and validation of dust forecasts” (Stavros Solomos)

13:00 – 14:30: Lunch break

14:30 – 18:00: Visit to Finokalia station, presentation of the instruments

Tuesday 6 April

10:00 – 11:00: “Inversion methods for atmospheric profiling of advanced aerosol properties” (Anton Lopatin)

11:00 – 11:30: Coffee Break

11:30 – 13:00: “Inversion methods for atmospheric profiling of advanced aerosol properties” (Anton Lopatin)

13:00 – 14:30: Lunch break

14:30 – 18:00: Training activities and PRE-TECT briefing

Friday 7 April

10:00 – 13:00: Training activities

13:00 – 14:30: Lunch break

14:30 – 18:00: Training activities and PRE-TECT briefing

Monday 10 April

10:00 – 11:30: “ACTRIS, the ground-truth for aerosols, clouds and trace gases” (Doina Nicolae)

11:30 – 12:00: Coffee Break

12:00 – 13:30: “Aerosol optical depth ground-based sensors, homogenization activities between different networks” (Stelios Kazadzis)

13:30 – 15:00: Lunch break

15:00 – 18:00: Participation in GEO-Cradle meeting

Tuesday 11 April

10:00 – 11:30: “Aerosol climatic trends from CCI and the significance of validation” (Gerrit De Leeuw)

11:30 – 12:00: Coffee Break

12:00 – 13:30: “From manual inversion of prototype Raman lidar (starting in 1992) to automated, unsupervised inversion of airborne MWL HSRL (designed for spaceborne missions)” (*Detlef Mueller*)

13:30 – 15:00: Lunch break

15:00 – 18:00: Training activities and PRE-TECT briefing

Wednesday 12 April

10:00 – 11:00: “Aerosol and cloud observations by airborne lidar for satellite cal/val” (*Franco Marenco*)

11:00 – 12:00: “CALIPSO validation with airborne in-situ and lidar measurements: Tackling the problem of hygroscopic growth” (*Alexandra Tsekeri*)

12:00 – 12:30: Coffee Break

12:30 – 13:30: Closing Address

Exercises

1. NMME evaluation using PollyXT: assimilated vs. control runs (dust) [Stavros Solomos]
2. CAMS evaluation (dust, marine) [Evangelos Gerasopoulos]
3. RAMS marine vs Polly [Vassilis Amiridis]
4. AIRS water vapor validation using MWR, CIMEL, Polly [Filioglou Maria, Elina Giannakaki]
5. Sentinel-3 AOD vs CIMEL/and other photometers [Stelios Kazadzis]
6. CALIPSO/CATS CCN/IN vs Polly [Eleni Marinou, Manolis Proestakis]
7. MODIS/VIIRS evaluation vs Cloud Radar [Elina Giannakaki]
8. Station aspects for cal/val [CALIPSO study spatial variability around the station] [Vassilis Amiridis, Manolis Proestakis]
9. World Megacities and Aerosols [Stelios Kazadzis]

Participants are kindly asked to bring their own laptop.