AGENDA of Workshop “Aerosol microphysical properties and solar radiation”
and
Training “GRASP model use”

6–7 March 2025, Limassol, Cyprus

Dorothea building: https://maps.app.goo.gl/XqKbyyGUVJUs67Rq6
Sykopetritis building: https://maps.app.goo.gl/V9S64fvbSaSUNWZh8

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Day 1, Thursday, 6 March 2025

Aerosol microphysical properties and solar radiation

To join, please click on the link

Time	Topic	Presenter(s)
08:45 – 09:00	Registration and Introduction	
09:00 – 09:30	Solar photometry basics	Stelios Kazadzis
09:30 – 10:00	Satellite missions for atmospheric composition examples	Stelios Kazadzis
10:00 – 10:30	Grasp software overview	David Fuertes (Valladolid, 09:00)
10:30– 11:00	Overview of the GRASP applications	Anton Lopatin
11:00 – 11:30	Coffee break	
11:30 – 12:00	Modelling of aerosol scattering in GRASP, addressing particle non-sphericity	Anton Lopatin
12:00 – 12:30	Radiative transfer in the atmosphere	Masahiro Momoi
12:30 – 13:00	GRASP ground-based passive and active synergy	Anton Lopatin
13:00 – 14:00	Lunch	
14:00 – 14:30	Grasp and PFR sun photometry synergy	Angelos Karanikolas
14:30 – 15:00	GRASP Satellite synergy	Pavel Litvinov (Lille, 13:30)
15:00 – 15:30	GRASP and satellite based data for Lidar ratio retrievals	Anna Moustaka
15:30 – 16:00	Coffee break	
16:00 – 16:30	GRASP inversion overview	Oleg Dubovik (Washington, 9:00)
16:30 – 17:00	GRASP inversion overview	Oleg Dubovik
17:00 – 17:30	Error estimates in GRASP retrievals	Milagros Herrera (Lille 16:00)

Day 2, Friday, 7 March 2025

GRASP model use

To join, please click on the link

Time	Hands-on	Presenter(s)
09:00 – 11:00	GRASP structure and functionalities: ● intro to GRASP-cloud ● Running first example: understanding input/settings/output GRASP forward model: ● Spheroid package and aerosol scattering in GRASP Retrievals application to ground-based instruments (Single Scattering): ● GRASP-AOD ● GRASP-phase function (nephelometers) ● GRASP-ground-based lidar	Marcos Herreras Masahiro Momoi Anton Lopatin
11:00 – 11:30	Coffee break	
11:30 – 13:00	Retrievals application to ground-based instruments (Multiple Scattering): ● GRASP-ground-based radiometer	Marcos Herreras Masahiro Momoi Anton Lopatin
13:00 – 14:00	Lunch	
14:00 – 15:30	● GRASP- ground-based radiometer+lidar	Marcos Herreras Masahiro Momoi Anton Lopatin
15:30 – 16:00	Coffee break	
16:00 – 17:30	Satellite cal/val using DIVA platform	Marcos Herreras Masahiro Momoi Anton Lopatin