

5th ESA/EUMETSAT/ECMWF Joint School on Atmospheric Composition - Programme September 2023 https://atmostraining.info/, Update: 2023-07-18

Online pre-school program								
Thursday, September 14		Friday, September 15		Thursday, September 21		Friday, September 22		Access to all on-line lectures https://eumetsat.zoom.us/j/824610326352?pwd=RDRkZkV3WFplUW55bkwyS1pwK0NRdz09
10:00	11:00	PS1 Observe the atmosphere from space: principle of trace gases and aerosol observations from satellite UV-VIS instruments. A.-M. Sundstrom, FMI	PS2 Ground-based remote sensing atmospheric composition observation networks: overview of in-situ observing system. L. Mona, CNR	PS4 Data Assimilation: Integrating satellite data into the CAMS global system A. Inness, ECMWF	PS5 The ESA Mission Performance Center (MPC): calibration, validation and quality control of satellite products. A. Dehn, ESA			
11:00	11:15	Discussion		Discussion		Discussion		
11:00	12:00		PS3 ACTRIS and the use of data for model validation A. Mortier, MET Norway, TBD					
12:00	12:15	Discussion						

On-site school program									
Monday, September 25		Tuesday, September 26		Wednesday, September 27		Thursday, September 28		Friday, September 29	
9:00	9:30	General Introduction to the school C. Retscher, ESA; F. Fierli, EUMETSAT; M. Parrington, ECMWF; A. Cede, LuftBlick		Part 3: Group of 7, parallel lab and software sessions A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick; J. Wagemann, EUMETSAT; S. Niemeijer, S&T		Transfer Innsbruck - Seegrube/Hafelekar		Software Practicals + forecast talk (15 min) J. Wagemann, EUMETSAT; S. Niemeijer, S&T	
9:30	10:00	Introduction to urban NOx chemistry T. Karl, University of Innsbruck		Groups C/D: UIBK Groups A/B: LuftBlick				Project Work	
10:00	10:30					Validation of Sentinel-5p and GOME-2 satellite products with ground-based observations, satellite inter-comparison and modelling simulations. ML. Koukoul, Aristotle University of Thessaloniki			
10:30	11:00	Coffee break		Coffee break					
11:00	11:30	Introduction into instrument calibration A. Cede, LuftBlick; M. van Roozendael, BIRA-IASB		Part 4: Group of 7, parallel lab and software sessions A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick; J. Wagemann, EUMETSAT; S. Niemeijer, S&T		Coffee break		Coffee break	
11:30	12:00			Groups D/C: UIBK Groups B/A: LuftBlick		Satellite data validation with a focus on groundbased remote sensing capabilities, and satellite validation data center activities A. M. Fjæraa, NILU		Software Practicals J. Wagemann, EUMETSAT; S. Niemeijer, S&T	
12:00	12:30	Introduction on work at ESA/ECMWF/EUMETSAT C. Retscher, ESA; F. Fierli, EUMETSAT; M. Parrington, ECMWF;						Project Work	
12:30	14:00	Lunch		Lunch		Lunch		Lunch	
14:00	14:30	Part 1: Group of 7, parallel lab and software sessions A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick; J. Wagemann, EUMETSAT; S. Niemeijer, S&T		Software Practicals (Blick Software) A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick		Hafelekar A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick		Project Work	
14:30	15:00	Groups A/B: UIBK Groups C/D: LuftBlick						Project Presentation/Assessment	
15:00	15:30			Software Practicals + forecast talk (15 min) J. Wagemann, EUMETSAT; S. Niemeijer, S&T		Software Practicals (Blick Software) A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick			
15:30	16:00	Coffee break		Coffee break		Coffee break		Coffee break	
16:00	16:30	Part 2: Group of 7, parallel lab and software sessions A. Cede, M. Tiefengraber, M. Gebetsberger, LuftBlick; J. Wagemann, EUMETSAT; S. Niemeijer, S&T		Coffee break		Coffee break		Coffee break	
16:30	17:00	Groups B/A: UIBK Groups D/C: LuftBlick		Software Practicals + satellite talk (15 min) J. Wagemann, EUMETSAT; S. Niemeijer, S&T		Q&A Transfer Seegrube/Hafelekar - Innsbruck		Project Work	
17:00	17:30								
17:30	18:00								
18:00	19:00	Ice breaker							
19:00	20:00							Dinner	
20:00	21:00								

Locations	Lecturers and Trainers	Organizers and Support	Legend/Color Codes
University of Innsbruck (UIBK) Lecture hall B	A. Cede, LuftBlick OG	F. Fierli, EUMETSAT	Frontal Lecture Session
University of Innsbruck (UIBK) Seminar/PC room	A. Dehn, ESA	D. Gasbarra, ESA	Software Practical Session
University of Innsbruck (UIBK) Laboratory	A.M. Fjæraa, NILU	M. Gebetsberger, LuftBlick OG	Hardware Practical & Laboratory Session
LuftBlick Laboratory	A. Inness, ECMWF	E. Malina, ESA	Open Discussion
Seegrube/Hafelekar	T. Karl, University of Innsbruck	M. Parrington, ECMWF	Project Work
	ML. Koukoul, Aristotle University of Thessaloniki	C. Retscher, ESA	Social Events
	L. Mona, CNR	C. Stewart, ECMWF	
	S. Niemeijer, Science&Technology	M. Tiefengraber, LuftBlick OG	
	M. van Roozendael, BIRA-IASB	R. Uilucci, EUMETSAT	
	A.-M. Sundstrom, FMI		
	J. Wagemann, EUMETSAT		