

AS – Atmospheric Sciences (#EGU17AS) – Orals

Monday, 24 April

MO1 , 08:30–10:00	AS1.18/CL3.09 , The global monsoons in current, future and palaeoclimates and their role in extreme weather and climate events (co-organized), 08:30–12:00, Room E2
	AS1.27 , Dynamics and chemistry of the upper troposphere and stratosphere: observations and models, 08:30–12:00, Room 0.88
	AS1.34 , Jón Egill Kristjánsson memorial session: clouds, aerosols, geoengineering, Arctic weather, 08:30–10:00, Room F1
	AS2.1/SSS9.25 , Impact of Land-Surface-Atmosphere Feedbacks on Weather and Climate (co-organized), 08:30–10:00, Room 0.11
	NH1.2/AS1.6/SSS9.29 , Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), 08:30–15:00, Room L6
	OS1.2/AS1.20/CL1.29 , The North Atlantic: natural variability and global change (co-organized), 08:30–17:00, Room D2
	NH2.1/AS3.5/GMPV5.6 , Atmospheric emissions from volcanoes and their dispersion (co-organized), 08:30–12:00, Room L8
	CL2.09/AS4.8/BG9.19 , Phenology and seasonality in climate change and ecology (co-organized), 08:30–12:00, Room F2
CL3.07/AS4.27 , Extreme Events and Impacts (co-organized), 08:30–10:00, Room 0.14	
MO2 , 10:30–12:00	AS1.18/CL3.09 , The global monsoons in current, future and palaeoclimates and their role in extreme weather and climate events (co-organized), 08:30–12:00, Room E2
	AS1.27 , Dynamics and chemistry of the upper troposphere and stratosphere: observations and models, 08:30–12:00, Room 0.88
	AS1.35 , Clouds, Aerosols, Radiation and Precipitation (General Session), 10:30–17:00, Room F1
	AS2.3/CR6.4/OS5.5/SSS9.27 , Boundary Layers in High Latitudes: Physical and Chemical Exchange Processes over Ocean-Ice-Snow-Land Surfaces (co-organized), 10:30–12:15, Room 0.11
	NH1.2/AS1.6/SSS9.29 , Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), 08:30–15:00, Room L6
	OS1.2/AS1.20/CL1.29 , The North Atlantic: natural variability and global change (co-organized), 08:30–17:00, Room D2
	NH2.1/AS3.5/GMPV5.6 , Atmospheric emissions from volcanoes and their dispersion (co-organized), 08:30–12:00, Room L8
	CL2.09/AS4.8/BG9.19 , Phenology and seasonality in climate change and ecology (co-organized), 08:30–12:00, Room F2
	NP4.1/AS4.13/CL5.06 , Time Series Analysis, Prediction, Verification and Inter-Comparison of Geoscientific Observations and Model Data (co-organized), 10:30–17:00, Room M2
HS4.1/AS4.35/GM9.11/NH1.10 , Flash floods and associated hydro-geomorphic processes: observation, modelling and warning (co-organized), 10:30–12:00, Room 2.31	
MOL , 12:15–13:15	UMI0 , Plenary, 12:15–13:15, Room E1
MO3 , 13:30–15:00	AS1.28 , Dynamical coupling between the stratosphere and the troposphere, 13:30–15:00, Room 0.88
	AS1.35 , Clouds, Aerosols, Radiation and Precipitation (General Session), 10:30–17:00, Room F1

	AS2.2/SSS9.26 , Air-Land Interactions (General Session) (co-sponsored by iLEAPS) (co-organized), 13:30–17:00, Room 0.11
	NH1.2/AS1.6/SSS9.29 , Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), 08:30–15:00, Room L6
	OS1.2/AS1.20/CL1.29 , The North Atlantic: natural variability and global change (co-organized), 08:30–17:00, Room D2
	GMPV4.6/AS3.6 , Volcanic Gas Emissions (co-organized), 13:30–15:00, Room K1
	NP4.1/AS4.13/CL5.06 , Time Series Analysis, Prediction, Verification and Inter-Comparison of Geoscientific Observations and Model Data (co-organized), 10:30–17:00, Room M2
	CL1.11/AS4.18/CR2.8 , The state-of-the-art in ice coring sciences (co-organized), 13:30–17:00, Room F2
MO4 , 15:30–17:00	AS1.35 , Clouds, Aerosols, Radiation and Precipitation (General Session), 10:30–17:00, Room F1
	AS2.2/SSS9.26 , Air-Land Interactions (General Session) (co-sponsored by iLEAPS) (co-organized), 13:30–17:00, Room 0.11
	AS3.17 , Polar Ozone and Polar Stratospheric Clouds, 15:30–17:00, Room 0.88
	OS1.2/AS1.20/CL1.29 , The North Atlantic: natural variability and global change (co-organized), 08:30–17:00, Room D2
	NP4.1/AS4.13/CL5.06 , Time Series Analysis, Prediction, Verification and Inter-Comparison of Geoscientific Observations and Model Data (co-organized), 10:30–17:00, Room M2
	CL1.11/AS4.18/CR2.8 , The state-of-the-art in ice coring sciences (co-organized), 13:30–17:00, Room F2
	NH1.5/AS4.37/CL4.19/HS11.27/SM10.9/SSS10.16 , Hazard Risk Management of Agroecosystems and Induced Human Migration (co-organized), 15:30–17:15, Room L6
MO5 , 17:30–19:00	SC2/AS2.8/NP9.2 , Short course: Experimental and Field Turbulence in Geophysical and Environmental Flows (co-organized), 17:30–20:00, Room L3
MO6 , 19:00–20:00	SC2/AS2.8/NP9.2 , Short course: Experimental and Field Turbulence in Geophysical and Environmental Flows (co-organized), 17:30–20:00, Room L3
Tuesday, 25 April	
TU1 , 08:30–10:00	AS1.1 , Numerical weather prediction, data assimilation and ensemble forecasting, 08:30–17:00, Room E2
	AS1.15 , Tropical Meteorology , 08:30–15:00, Room 0.11
	AS1.26/ST3.5 , Joint Session of the MLT and the VarSITI-ROSMIC program (co-organized), 08:30–12:00, Room 0.88
	AS3.3 , Atmospheric Ice Particles, 08:30–15:00, Room F1
	OS1.2/AS1.20/CL1.29 , The North Atlantic: natural variability and global change (co-organized), 08:30–10:00, Room G2
	NP6.1/AS2.7 , Turbulence in the Atmosphere (co-organized), 08:30–10:00, Room M2
	SSS1.6/AS4.51/BG9.13/CL3.06/HS11.43/NH9.22 , European Environmental Policies and Sustainability (co-organized), 08:30–10:15, Room -2.20
TU2 , 10:30–12:00	AS1.1 , Numerical weather prediction, data assimilation and ensemble forecasting, 08:30–17:00, Room E2

	AS1.15 , Tropical Meteorology, 08:30–15:00, Room 0.11
	AS1.26/ST3.5 , Joint Session of the MLT and the VarSITI-ROSMIC program (co-organized), 08:30–12:00, Room 0.88
	AS3.3 , Atmospheric Ice Particles, 08:30–15:00, Room F1
	NH4.5/AS4.31/EMRP4.4/SM9.3 , Short-term Earthquakes Forecast (StEF) and multi-parametric time-Dependent Assessment of Seismic Hazard (t-DASH) (co-organized), 10:30–12:00, Room L6
TU3 , 13:30–15:00	AS1.1 , Numerical weather prediction, data assimilation and ensemble forecasting, 08:30–17:00, Room E2
	AS1.13 , Infrasound, acoustic-gravity waves, and atmospheric dynamics, 13:30–15:00, Room 0.88
	AS1.15 , Tropical Meteorology, 08:30–15:00, Room 0.11
	AS3.3 , Atmospheric Ice Particles, 08:30–15:00, Room F1
	NP6.4/AS2.9/ST1.12 , Turbulence, magnetic reconnection, shocks and particle acceleration: nonlinear processes. (co-organized), 13:30–15:00, Room M2
	NH5.4/AS4.30/OS2.7 , Natural Hazards and climate change impacts in coastal areas (co-organized), 13:30–17:00, Room L8
	GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7 , Atmospheric and Meteorological Instrumentation (co-organized), 13:30–17:00, Room 0.96
TU4 , 15:30–17:00	AS1.1 , Numerical weather prediction, data assimilation and ensemble forecasting, 08:30–17:00, Room E2
	AS1.7/GI2.9 , Atmospheric applications in microwave radiometry (co-organized), 15:30–17:00, Room 0.88
	AS3.8 , Radiative effects and global aerosol forcing estimates of natural and anthropogenic aerosols, 15:30–17:00, Room F1
	AS4.4/BG9.1/OS3.7 , Air-sea exchanges: Impacts on Biogeochemistry and Climate (co-organized), 15:30–17:00, Room 0.11
	CL5.11/AS1.32 , Convection-permitting atmospheric modelling (co-organized), 15:30–17:00, Room 0.94
	NH5.4/AS4.30/OS2.7 , Natural Hazards and climate change impacts in coastal areas (co-organized), 13:30–17:00, Room L8
	GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7 , Atmospheric and Meteorological Instrumentation (co-organized), 13:30–17:00, Room 0.96
	SC20/AS5.1/CL6.02/NP9.5 , Response, variability and transitions in geophysical systems (co-organized), 15:30–17:00, Room -2.31
Wednesday, 26 April	
WE1 , 08:30–10:00	AS1.8 , Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session), 08:30–17:00, Room 0.88
	AS3.1 , Aerosol Chemistry and Microphysics (Arne Richter Award for Outstanding ECSs Lecture by Federico Bianchi), 08:30–15:00, Room F1
	AS3.12 , Satellite observations of tropospheric composition and pollution, analyses with models and applications, 08:30–12:00, Room 0.11
	AS4.10/CL5.12/ESS1.14/OS4.15 , Recent developments in numerical atmospheric, oceanic and sea-ice models: towards global cloud and eddy resolving simulations on exascale supercomputers (co-organized), 08:30–12:00, Room 0.94
	CL3.03/AS1.22/CR1.6/OS1.15 , Polar Climate Predictability and Prediction (co-organized), 08:30–10:00, Room 0.96
	US1/AS4.52/BG9.67/CL4.20/SSS0.4 , Vegetation-climate interactions across time scales (co-organized), 08:30–12:00, Room E2

WE2 , 10:30–12:00	AS1.8 , Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session), 08:30–17:00, Room 0.88
	AS3.1 , Aerosol Chemistry and Microphysics (Arne Richter Award for Outstanding ECSs Lecture by Federico Bianchi), 08:30–15:00, Room F1
	AS3.12 , Satellite observations of tropospheric composition and pollution, analyses with models and applications, 08:30–12:00, Room 0.11
	AS4.10/CL5.12/ESSI1.14/OS4.15 , Recent developments in numerical atmospheric, oceanic and sea-ice models: towards global cloud and eddy resolving simulations on exascale supercomputers (co-organized), 08:30–12:00, Room 0.94
	ML5/AS , Arne Richter Award for Outstanding ECSs Lecture by Federico Bianchi (co-organized), 10:30–11:00, Room F1
	OS5.1/AS1.12 , Internal Gravity Waves (co-organized), 10:30–17:00, Room 0.49
	US1/AS4.52/BG9.67/CL4.20/SSS0.4 , Vegetation-climate interactions across time scales (co-organized), 08:30–12:00, Room E2
WE3 , 13:30–15:00	AS1.8 , Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session), 08:30–17:00, Room 0.88
	AS1.24 , Dynamical Meteorology (General Session), 13:30–15:00, Room 0.94
	AS3.1 , Aerosol Chemistry and Microphysics (Arne Richter Award for Outstanding ECSs Lecture by Federico Bianchi), 08:30–15:00, Room F1
	AS3.11/GI2.7 , MAX-DOAS and other scattered light DOAS systems: instruments, techniques and applications (co-organized), 13:30–15:00, Room 0.11
	OS5.1/AS1.12 , Internal Gravity Waves (co-organized), 10:30–17:00, Room G2
	CL4.07/AS1.14/BG9.18/CR1.7/HS11.3 , Mountain climates: processes, change and related impacts (co-organized), 13:30–17:00, Room E2
	CL1.01/AS4.9/CR1.12/HS7.9/OS1.13 , Into the Anthropocene; Observing and interpreting the historical record of temperature and other climate indicators (co-organized), 13:30–15:00, Room 0.14
CL1.25/AS4.26/HS2.4.5 , Flood and weather extremes of the past (co-organized), 13:30–15:00, Room 0.96	
WE4 , 15:30–17:00	AS1.8 , Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session), 08:30–17:00, Room 0.88
	AS1.25/CL4.14 , Past and future atmospheric temperature changes and their drivers (co-organized), 15:30–17:00, Room 0.94
	AS3.13 , Remote-Sensing of Atmospheric Carbon Dioxide and Methane, 15:30–17:00, Room 0.11
	AS3.18 , Atmospheric transport of trace species and aerosols: Modeling and observations, 15:30–17:00, Room F1
	OS5.1/AS1.12 , Internal Gravity Waves (co-organized), 10:30–17:00, Room G2
	CL4.07/AS1.14/BG9.18/CR1.7/HS11.3 , Mountain climates: processes, change and related impacts (co-organized), 13:30–17:00, Room E2
Thursday, 27 April	
TH1 , 08:30–10:00	AS1.8 , Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session), 08:30–10:00, Room 0.88
	AS1.29 , Cloud processes and cloud feedbacks in models and observations, 08:30–10:00, Room 0.94
	AS3.18 , Atmospheric transport of trace species and aerosols: Modeling and observations, 08:30–10:00, Room F1

	AS3.25/BG9.64 , Rising methane and climate: Identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the Tropics. (co-organized), 08:30–12:00, Room 0.11
	IE1.1/CR1.14/AS4.21/BG9.66 , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), 08:30–12:00, Room L2
	NP5.3/AS1.2/HS4.8 , Advances in statistical post-processing for deterministic and ensemble forecasts (co-organized), 08:30–10:00, Room M2
	CL5.08/AS1.3/OS4.10 , Downscaling: methods and applications (co-organized), 08:30–12:00, Room 0.14
	HS7.2/AS1.9/CL2.15/NH1.14/NP10.1 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–10:00, Room 2.95
	CR6.2/AS1.23 , Clouds and precipitation in the Polar Regions: sources, processes and impacts (co-organized), 08:30–12:00, Room -2.32
	BG1.7/AS4.53 , Stable isotopes and novel tracers in biogeochemical and atmospheric research (co-organized), 08:30–10:00, Room 2.31
TH2, 10:30–12:00	AS1.31 , Atmospheric Convection, 10:30–12:00, Room 0.94
	AS3.21 , Air Pollution Modelling, 10:30–17:00, Room 0.88
	AS3.25/BG9.64 , Rising methane and climate: Identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the Tropics. (co-organized), 08:30–12:00, Room 0.11
	AS4.2 , Impacts of cosmic dust in the terrestrial and other planetary atmospheres (including Vilhelm Bjerknes Medal Lecture), 10:30–12:00, Room F1
	IE1.1/CR1.14/AS4.21/BG9.66 , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), 08:30–12:00, Room L2
	ML30/AS , Vilhelm Bjerknes Medal Lecture by John M. C. Plane (co-organized), 11:00–12:00, Room F1
	CL5.08/AS1.3/OS4.10 , Downscaling: methods and applications (co-organized), 08:30–12:00, Room 0.14
	CR6.2/AS1.23 , Clouds and precipitation in the Polar Regions: sources, processes and impacts (co-organized), 08:30–12:00, Room -2.32
	G5.2/AS4.44/CL2.20 , Atmospheric Remote Sensing with Space Geodetic Techniques (co-organized), 10:30–17:00, Room D1
THL, 12:15–13:15	DM1/AS , Division meeting for Atmospheric Sciences (AS) (co-organized), 12:15–13:15, Room F1
TH3, 13:30–15:00	AS1.33 , Linking Clouds to Circulation: Insights from recent measurements, 13:30–17:00, Room 0.94
	AS3.9 , Remote Sensing of Clouds and Aerosols: Techniques and Applications, 13:30–17:00, Room F1
	AS3.19 , Mediterranean aerosol and gaseous precursors: from sources to processes and regional impacts, 13:30–15:00, Room 0.11
	AS3.21 , Air Pollution Modelling, 10:30–17:00, Room 0.88
	HS7.1/AS1.11/NH1.15/NP10.11 , Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), 13:30–17:00, Room B
	NH1.1/AS4.28/HS11.24 , Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), 13:30–15:00, Room L6

	G5.2/AS4.44/CL2.20 , Atmospheric Remote Sensing with Space Geodetic Techniques (co-organized), 10:30–17:00, Room D1
TH4 , 15:30–17:00	AS1.5 , Aviation Meteorology: Observations, Modeling, and Operations, 15:30–17:00, Room 0.11
	AS1.33 , Linking Clouds to Circulation: Insights from recent measurements, 13:30–17:00, Room 0.94
	AS3.9 , Remote Sensing of Clouds and Aerosols: Techniques and Applications, 13:30–17:00, Room F1
	AS3.21 , Air Pollution Modelling, 10:30–17:00, Room 0.88
	NH1.6/AS1.4/HS4.9 , Coupled atmosphere-hydrological modeling for improved hydro-meteorological predictions (co-organized), 15:30–17:00, Room L6
	HS7.1/AS1.11/NH1.15/NP10.11 , Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), 13:30–17:00, Room B
	G5.2/AS4.44/CL2.20 , Atmospheric Remote Sensing with Space Geodetic Techniques (co-organized), 10:30–17:00, Room M1
Friday, 28 April	
FR1 , 08:30–10:00	AS1.19/CL3.10 , Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-organized), 08:30–10:00, Room 0.96
	AS3.20 , Air pollution in Asia, 08:30–17:00, Room 0.11
	AS4.12 , Integrated Environmental Prediction: Seamless coupled modelling of the dynamics and chemistry of the atmosphere, ocean and land, 08:30–10:15, Room E2
	AS4.16/BG9.2/CL2.14/HS11.1 , Stable isotopes in the atmosphere - from vapor to precipitation (co-organized), 08:30–10:00, Room F1
	AS4.46 , Research and Development in Nuclear Explosion Monitoring (co-organized), 08:30–10:00, Room 0.88
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), 08:30–12:10, Room L8
FR2 , 10:30–12:00	AS1.21 , Drivers of European weather patterns and natural climate variability, 10:30–12:00, Room 0.96
	AS3.20 , Air pollution in Asia, 08:30–17:00, Room 0.11
	AS3.22 , Urban air quality, 10:30–17:00, Room 0.88
	AS3.27 , Climate and atmospherically important trace gases: metrology, quality control and measurement comparability, 10:30–12:00, Room F1
	AS4.3/CL2.21 , Atmospheric composition, weather and climate in Sub-Saharan Africa (co-organized), 10:30–17:00, Room E2
	OS1.9/AS1.17/BG9.60/CL4.16 , The Indian Ocean's past, present, and future – A session in Honour of Gary Meyers (co-organized), 10:30–12:00, Room 0.49
	CL1.19/AS4.17/OS1.19 , Advances in integrating ice core, marine and terrestrial records and their timescales (INTIMATE and IntCal) (co-organized), 10:30–12:00, Room 0.94

	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), 08:30–12:10, Room L8
FR3, 13:30–15:00	AS3.16 , Gas Phase Composition and Reactivity, 13:30–15:00, Room F1
	AS3.20 , Air pollution in Asia, 08:30–17:00, Room 0.11
	AS3.22 , Urban air quality, 10:30–17:00, Room 0.88
	AS4.3/CL2.21 , Atmospheric composition, weather and climate in Sub-Saharan Africa (co-organized), 10:30–17:00, Room E2
	CL4.17/AS1.16/OS1.22 , Tropical Climate Variability and Teleconnections: past, present and future (co-organized), 13:30–17:00, Room F2
	HS4.3/AS4.36/NH1.12 , Ensemble hydro-meteorological forecasting (co-organized), 13:30–17:00, Room 2.95
	NH6.3/AS4.43/GI2.10/HS11.31/SM5.8/SSS12.21 , The use of Remotely Piloted Aircraft Systems (RPAS) in monitoring applications and management of natural hazards (co-organized), 13:30–15:00, Room L6
GI2.6/AS4.48/EMRP4.5/NH8.7 , Geoscience applications of environmental radioactivity (co-organized), 13:30–15:00, Room L8	
FR4, 15:30–17:00	AS3.20 , Air pollution in Asia, 08:30–17:00, Room 0.11
	AS3.22 , Urban air quality, 10:30–17:00, Room 0.88
	AS4.1 , High Energy Radiation from Thunderstorms and Lightning, 15:30–17:00, Room F1
	AS4.3/CL2.21 , Atmospheric composition, weather and climate in Sub-Saharan Africa (co-organized), 10:30–17:00, Room E2
	CL4.17/AS1.16/OS1.22 , Tropical Climate Variability and Teleconnections: past, present and future (co-organized), 13:30–17:00, Room F2
	HS4.3/AS4.36/NH1.12 , Ensemble hydro-meteorological forecasting (co-organized), 13:30–17:00, Room 2.95

AS – Atmospheric Sciences (#EGU17AS) – PICOs

Monday, 24 April

MO1 , 08:30–10:00	AS2.4/HS11.2/SSS9.28 , Challenges of a changing Mediterranean natural environment (co-organized), PICO spot 3
MO2 , 10:30–12:00	AS2.4/HS11.2/SSS9.28 , Challenges of a changing Mediterranean natural environment (co-organized), PICO spot 3
MO4 , 15:30–17:00	AS3.15 , Halogens in the Troposphere, PICO spot 5b

Tuesday, 25 April

TU1 , 08:30–10:00	IE3.6/GM1.8/AS4.50/BG9.65/CL5.26/HS11.23/SSS11.11 , R's deliberate role in Earth sciences (co-organized), PICO spot A
TU3 , 13:30–15:00	HS7.6/AS1.10/NP10.3 , Precipitation variability: from drop scale to lot scale (co-organized), PICO spot A
	CL4.01/AS3.4/GM11.2 , Aeolian dust: Initiator, Player, and Recorder of Environmental Change (co-organized), PICO spot 5a
	NH9.5/AS4.32/CL2.27/HS11.38/SM3.9/SSS13.3 , Natural Hazard and Risk Assessment in Developing Countries (co-organized), PICO spot 1
TU4 , 15:30–17:00	CL4.01/AS3.4/GM11.2 , Aeolian dust: Initiator, Player, and Recorder of Environmental Change (co-organized), PICO spot 5a

Wednesday, 26 April

WE1 , 08:30–10:00	HS2.2.2/AS4.15/CL2.07/CR3.6/NH1.16 , Mountains and snow: Advances in large-scale land surface, hydrological and climate modelling (co-organized), PICO spot 3
WE2 , 10:30–12:00	HS2.2.2/AS4.15/CL2.07/CR3.6/NH1.16 , Mountains and snow: Advances in large-scale land surface, hydrological and climate modelling (co-organized), PICO spot 3
WE3 , 13:30–15:00	AS3.14 , Atmospheric composition variability and trends, PICO spot 5a
WE4 , 15:30–17:00	AS3.14 , Atmospheric composition variability and trends, PICO spot 5a
	IE1.2/CR6.11/AS4.23 , Cross Disciplinary Observations for an Integrated Understanding of the Arctic system (co-organized), PICO spot 5b
	PS1.4/AS4.45/ST1.11 , Polarimetry as an invaluable tool to study the Solar System and beyond (co-organized), PICO spot 1

Thursday, 27 April

TH1 , 08:30–10:00	SSS1.7/AS4.49/CL5.20/HS11.44/NH9.21 , “Lighthouse” examples, illustrating soil relevance for the UN Sustainable Development Goals (SDG’s) (co-organized), PICO spot 3
TH2 , 10:30–12:00	SSS1.7/AS4.49/CL5.20/HS11.44/NH9.21 , “Lighthouse” examples, illustrating soil relevance for the UN Sustainable Development Goals (SDG’s) (co-organized), PICO spot 3

Friday, 28 April

FR3 , 13:30–15:00	SSS7.4/AS4.7/BG9.32 , Production and transport of gases in the soil: measurements and modelling (co-organized), PICO spot 3
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AS – Atmospheric Sciences (#EGU17AS) – Posters

Monday, 24 April

MO5 , 17:30–19:00	AS1.18/CL3.09 , The global monsoons in current, future and palaeoclimates and their role in extreme weather and climate events (co-organized), Hall X5, X5.154–X5.184
	AS1.27 , Dynamics and chemistry of the upper troposphere and stratosphere: observations and models, Hall X5, X5.185–X5.209
	AS1.28 , Dynamical coupling between the stratosphere and the troposphere, Hall X5, X5.210–X5.226
	AS1.34 , Jón Egill Kristjánsson memorial session: clouds, aerosols, geoengineering, Arctic weather, Hall X5, X5.227–X5.241
	AS1.35 , Clouds, Aerosols, Radiation and Precipitation (General Session), Hall X5, X5.242–X5.280
	AS2.1/SSS9.25 , Impact of Land-Surface-Atmosphere Feedbacks on Weather and Climate (co-organized), Hall X5, X5.281–X5.302
	AS2.2/SSS9.26 , Air-Land Interactions (General Session) (co-sponsored by iLEAPS) (co-organized), Hall X5, X5.303–X5.332
	AS2.3/CR6.4/OS5.5/SSS9.27 , Boundary Layers in High Latitudes: Physical and Chemical Exchange Processes over Ocean-Ice-Snow-Land Surfaces (co-organized), Hall X5, X5.333–X5.348
	AS3.17 , Polar Ozone and Polar Stratospheric Clouds, Hall X5, X5.349–X5.363
	NH1.2/AS1.6/SSS9.29 , Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), Hall X4, X4.254–X4.288
	OS1.2/AS1.20/CL1.29 , The North Atlantic: natural variability and global change (co-organized), Hall X4, X4.1–X4.62
	NH2.1/AS3.5/GMPV5.6 , Atmospheric emissions from volcanoes and their dispersion (co-organized), Hall X4, X4.309–X4.325
	GMPV4.6/AS3.6 , Volcanic Gas Emissions (co-organized), Hall X2, X2.389–X2.418
	CL2.09/AS4.8/BG9.19 , Phenology and seasonality in climate change and ecology (co-organized), Hall X5, X5.82–X5.112
	NP4.1/AS4.13/CL5.06 , Time Series Analysis, Prediction, Verification and Inter-Comparison of Geoscientific Observations and Model Data (co-organized), Hall X4, X4.71–X4.104
	CL1.11/AS4.18/CR2.8 , The state-of-the-art in ice coring sciences (co-organized), Hall X5, X5.22–X5.49
CL3.07/AS4.27 , Extreme Events and Impacts (co-organized), Hall X5, X5.134–X5.153	
HS4.1/AS4.35/GM9.11/NH1.10 , Flash floods and associated hydro-geomorphic processes: observation, modelling and warning (co-organized), Hall A, A.240–A.260	
NH1.5/AS4.37/CL4.19/HS11.27/SM10.9/SSS10.16 , Hazard Risk Management of Agroecosystems and Induced Human Migration (co-organized), Hall X4, X4.289–X4.308	

Tuesday, 25 April

TU5 , 17:30–19:00	AS1.1 , Numerical weather prediction, data assimilation and ensemble forecasting, Hall X5, X5.187–X5.228
	AS1.7/GI2.9 , Atmospheric applications in microwave radiometry (co-organized), Hall X5, X5.229–X5.243

	AS1.13 , Infrasound, acoustic-gravity waves, and atmospheric dynamics, Hall X5, X5.244–X5.260
	AS1.15 , Tropical Meteorology, Hall X5, X5.261–X5.295
	AS1.26/ST3.5 , Joint Session of the MLT and the VarSITI-ROSMIC program (co-organized), Hall X5, X5.296–X5.322
	AS1.30 , Observing and modeling processes in moderately supercooled clouds, Hall X5, X5.323–X5.332
	AS2.6/OS5.4 , Turbulence in Atmospheric and Oceanic Boundary Layers (co-organized), Hall X5, X5.333–X5.351
	AS3.3 , Atmospheric Ice Particles, Hall X5, X5.352–X5.385
	AS3.8 , Radiative effects and global aerosol forcing estimates of natural and anthropogenic aerosols, Hall X5, X5.386–X5.408
	AS4.4/BG9.1/OS3.7 , Air-sea exchanges: Impacts on Biogeochemistry and Climate (co-organized), Hall X5, X5.409–X5.426
	NP6.1/AS2.7 , Turbulence in the Atmosphere (co-organized), Hall X4, X4.121–X4.142
	NP6.4/AS2.9/ST1.12 , Turbulence, magnetic reconnection, shocks and particle acceleration: nonlinear processes. (co-organized), Hall X4, X4.157–X4.165
	NH5.4/AS4.30/OS2.7 , Natural Hazards and climate change impacts in coastal areas (co-organized), Hall X3, X3.189–X3.217
	NH4.5/AS4.31/EMRP4.4/SM9.3 , Short-term Earthquakes Forecast (StEF) and multi-parametric time-Dependent Assessment of Seismic Hazard (t-DASH) (co-organized), Hall X3, X3.150–X3.170
	GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7 , Atmospheric and Meteorological Instrumentation (co-organized), Hall X4, X4.176–X4.190
	SSS1.6/AS4.51/BG9.13/CL3.06/HS11.43/NH9.22 , European Environmental Policies and Sustainability (co-organized), Hall X1, X1.134–X1.139
Wednesday, 26 April	
WE3 , 13:30–15:00	US1/AS4.52/BG9.67/CL4.20/SSS0.4 , Vegetation-climate interactions across time scales (co-organized), Hall X4, X4.498–X4.506
WE5 , 17:30–19:00	AS1.8 , Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session), Hall X5, X5.244–X5.304
	AS1.24 , Dynamical Meteorology (General Session), Hall X5, X5.305–X5.329
	AS1.25/CL4.14 , Past and future atmospheric temperature changes and their drivers (co-organized), Hall X5, X5.330–X5.346
	AS3.1 , Aerosol Chemistry and Microphysics (Arne Richter Award for Outstanding ECSs Lecture by Federico Bianchi), Hall X5, X5.347–X5.378
	AS3.11/GI2.7 , MAX-DOAS and other scattered light DOAS systems: instruments, techniques and applications (co-organized), Hall X5, X5.379–X5.406
	AS3.12 , Satellite observations of tropospheric composition and pollution, analyses with models and applications, Hall X5, X5.407–X5.436
	AS3.13 , Remote-Sensing of Atmospheric Carbon Dioxide and Methane, Hall X5, X5.437–X5.461
	AS3.18 , Atmospheric transport of trace species and aerosols: Modeling and observations, Hall X5, X5.462–X5.492
	AS4.10/CL5.12/ESSI1.14/OS4.15 , Recent developments in numerical atmospheric, oceanic and sea-ice models: towards global cloud and eddy resolving simulations on exascale supercomputers (co-organized), Hall X5, X5.493–X5.525

	OS5.1/AS1.12 , Internal Gravity Waves (co-organized), Hall X4, X4.89–X4.123
	CL4.07/AS1.14/BG9.18/CR1.7/HS11.3 , Mountain climates: processes, change and related impacts (co-organized), Hall X5, X5.192–X5.223
	CL3.03/AS1.22/CR1.6/OS1.15 , Polar Climate Predictability and Prediction (co-organized), Hall X5, X5.143–X5.156
	CL1.01/AS4.9/CR1.12/HS7.9/OS1.13 , Into the Anthropocene; Observing and interpreting the historical record of temperature and other climate indicators (co-organized), Hall X5, X5.1–X5.21
	CL1.25/AS4.26/HS2.4.5 , Flood and weather extremes of the past (co-organized), Hall X5, X5.58–X5.73
	NH9.7/AS4.33/CL2.28/HS11.34 , Urban Resilience Studies –Risk Mapping (co-organized), Hall X3, X3.203–X3.219
	GI1.3/AS4.41/CL5.17/EMRP4.39/HS11.7/NH6.9/SM5.9 , Environmental sensor networks (co-organized), Hall X4, X4.274–X4.281
Thursday, 27 April	
TH3, 13:30–15:00	BG1.7/AS4.53 , Stable isotopes and novel tracers in biogeochemical and atmospheric research (co-organized), Hall A, A.1–A.23
TH5, 17:30–19:00	AS1.5 , Aviation Meteorology: Observations, Modeling, and Operations, Hall X5, X5.163–X5.177
	AS1.29 , Cloud processes and cloud feedbacks in models and observations, Hall X5, X5.178–X5.195
	AS1.31 , Atmospheric Convection, Hall X5, X5.196–X5.215
	AS1.33 , Linking Clouds to Circulation: Insights from recent measurements, Hall X5, X5.216–X5.240
	AS3.9 , Remote Sensing of Clouds and Aerosols: Techniques and Applications, Hall X5, X5.241–X5.273
	AS3.19 , Mediterranean aerosol and gaseous precursors: from sources to processes and regional impacts, Hall X5, X5.274–X5.302
	AS3.21 , Air Pollution Modelling, Hall X5, X5.303–X5.336
	AS3.25/BG9.64 , Rising methane and climate: Identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the Tropics. (co-organized), Hall X5, X5.337–X5.365
	AS4.2 , Impacts of cosmic dust in the terrestrial and other planetary atmospheres (including Vilhelm Bjerknes Medal Lecture), Hall X5, X5.366–X5.380
	AS4.6 , Aircraft-based observation of the atmosphere and atmosphere-surface exchange processes, Hall X5, X5.381–X5.399
	IE1.1/CR1.14/AS4.21/BG9.66 , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), Hall X5, X5.476–X5.498
	NP5.3/AS1.2/HS4.8 , Advances in statistical post-processing for deterministic and ensemble forecasts (co-organized), Hall X4, X4.196–X4.217
	CL5.08/AS1.3/OS4.10 , Downscaling: methods and applications (co-organized), Hall X5, X5.120–X5.146
	NH1.6/AS1.4/HS4.9 , Coupled atmosphere-hydrological modeling for improved hydro-meteorological predictions (co-organized), Hall X3, X3.210–X3.223
	HS7.2/AS1.9/CL2.15/NH1.14/NP10.1 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), Hall A, A.220–A.240

	HS7.1/AS1.11/NH1.15/NP10.11 , Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), Hall A, A.187–A.219
	CR6.2/AS1.23 , Clouds and precipitation in the Polar Regions: sources, processes and impacts (co-organized), Hall X5, X5.457–X5.475
	CL5.11/AS1.32 , Convection-permitting atmospheric modelling (co-organized), Hall X5, X5.147–X5.162
	CR1.5/AS4.22/CL2.22 , Atmosphere – Cryosphere interaction, poster only. (co-organized), Hall X5, X5.415–X5.424
	NH1.1/AS4.28/HS11.24 , Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), Hall X3, X3.171–X3.190
	G5.2/AS4.44/CL2.20 , Atmospheric Remote Sensing with Space Geodetic Techniques (co-organized), Hall X3, X3.140–X3.170
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), Hall X4, X4.234–X4.252
	GI2.6/AS4.48/EMRP4.5/NH8.7 , Geoscience applications of environmental radioactivity (co-organized), Hall X4, X4.283–X4.299
Friday, 28 April	
FR5, 17:30–19:00	AS1.19/CL3.10 , Mid-latitude Cyclones and Storms: Diagnostics of Observed and Future Trends, and related Impacts (co-organized), Hall X5, X5.168–X5.190
	AS1.21 , Drivers of European weather patterns and natural climate variability, Hall X5, X5.191–X5.206
	AS3.16 , Gas Phase Composition and Reactivity, Hall X5, X5.207–X5.231
	AS3.20 , Air pollution in Asia, Hall X5, X5.232–X5.283
	AS3.22 , Urban air quality, Hall X5, X5.284–X5.321
	AS3.27 , Climate and atmospherically important trace gases: metrology, quality control and measurement comparability, Hall X5, X5.322–X5.340
	AS4.1 , High Energy Radiation from Thunderstorms and Lightning, Hall X5, X5.341–X5.356
	AS4.3/CL2.21 , Atmospheric composition, weather and climate in Sub-Saharan Africa (co-organized), Hall X5, X5.357–X5.396
	AS4.12 , Integrated Environmental Prediction: Seamless coupled modelling of the dynamics and chemistry of the atmosphere, ocean and land, Hall X5, X5.397–X5.410
	AS4.16/BG9.2/CL2.14/HS11.1 , Stable isotopes in the atmosphere - from vapor to precipitation (co-organized), Hall X5, X5.411–X5.424
	AS4.46 , Research and Development in Nuclear Explosion Monitoring (co-organized), Hall X5, X5.425–X5.440
	CL4.17/AS1.16/OS1.22 , Tropical Climate Variability and Teleconnections: past, present and future (co-organized), Hall X5, X5.136–X5.167
	OS1.9/AS1.17/BG9.60/CL4.16 , The Indian Ocean's past, present, and future – A session in Honour of Gary Meyers (co-organized), Hall X4, X4.1–X4.14
	CL1.19/AS4.17/OS1.19 , Advances in integrating ice core, marine and terrestrial records and their timescales (INTIMATE and IntCal) (co-organized), Hall X5, X5.19–X5.35

HS4.3/AS4.36/NH1.12, Ensemble hydro-meteorological forecasting (co-organized), **Hall A, A.395–A.413**

NH6.3/AS4.43/GI2.10/HS11.31/SM5.8/SSS12.21, The use of Remotely Piloted Aircraft Systems (RPAS) in monitoring applications and management of natural hazards (co-organized), **Hall X3, X3.243–X3.258**