

Day	4	Thursday, September 12, 2024	
		Aula Magna	<p>Keynote part 1: CLOUD PHYSICAL PROPERTIES AND VERTICAL VELOCITY EXPECTED FROM EARTHCARE MISSION</p> <p>Keynote Speaker: BJOERN FROMMKNECHT</p> <p><i>B. Frommknecht(1), Thorsten Fehr, (1) Dirk Bernaerts (1), Patrick Deghaye (1), Michael Eisinger (1) Timon Hummel (1), Kubota Takuji (2), Rob Koopman (1), Nio Tomomi (1) Stephanie Rusli (1), Toshiyuko Tanaka (2), Tomita Eiichi (2), Vasileios Tzallas (1), Jonas von Bismarck (1), Kotska Wallace (1), Christophe Caspar (1)</i> (1) European Space Agency (ESA), (2) Japan Space Exploration Agency (JAXA)</p> <p>Keynote part 2: CLOUD PHYSICAL PROPERTIES AND VERTICAL VELOCITY EXPECTED FROM EARTHCARE MISSION</p> <p>Keynote Speaker: HAJIME OKAMOTO</p> <p><i>H. Okamoto (1), Kaori Sato (1), Allabakash Sheik (1), Tomoaki Nishizawa (2), Hiroaki Horie (3), Hironori Iwai (3), Mana Ueno (1), Masaki Satoh(4), Woosub Roh (4), Takashi Nakajima (5)</i> (1) Research Institute for Applied Mechanics, Kyushu University, (2) National Institute for Environmental Studies, (3) National Institute of Information and Communications Technology, (4) Atmosphere and Ocean Research Institute, The University of Tokyo, (5) Tokai University.</p>
Session	1	Aula Magna	Space borne clouds and precipitation radar
	1	9:20 9:35	<p>EARTHCARE - STATUS UPDATE ON PROCESSOR AND PRODUCTS</p> <p><i>1) Timon Hummel, 2) Dirk Bernaerts, 3) Jonas von Bismarck, 4) Christophe Caspar, 5) Patrick Deghaye, 6) Michael Eisinger, 7) Thorsten Fehr, 8) Bjoern Frommknecht, 9) Rob Koopman, 10) Fabien Marnas, 11) Stephanie Ruesli, 12) Vasileios Tziallas, 13) Kotska Wallace</i> Netherlands , 4) European Space Agency (ESA), ESRIN, Frascati, Italy , 5) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands , 6) European Space Agency (ESA), ECSAT, Harwell, United Kingdom , 7) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands , 8) European Space Agency (ESA), ESRIN, Frascati, Italy , 9) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands , 10) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands , 11) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands , 12) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands , 13) European Space Agency (ESA), ESTEC, Noordwijk, The Netherlands</p>
	2	9:35 9:50	<p>CLOUD AND PRECIPITATION MICROPHYSICAL RETRIEVALS FROM THE EARTHCARE CLOUD PROFILING RADAR: THE C-CLD PRODUCT</p> <p><i>1) Kamil Mroz, 2) Bernat Puidgomènech Treserras, 3) Alessandro Battaglia, 4) Pavlos Kollias, 5) Frederic Tridon</i> 1) National Centre for Earth Observation, University of Leicester, UK, 2) Department of Atmospheric and Oceanic Sciences, McGill University, Montreal, Canada, 3) Politecnico di Turin, Turin, Italy, 4) Division of Atmospheric Sciences, Stony Brook University, NY, USA - Department of Atmospheric and Oceanic Sciences, McGill University, Montreal, Canada - , 5) Politecnico di Turin, Turin, Italy</p>
	3	9:50 10:05	<p>CLOUD-PRECIPITATION PARTICLE CATEGORIES OBSERVED FROM SPACE BORNE ACTIVE SENSOR</p> <p><i>1) Kaori Sato, 2) Hajime Okamoto</i> 1) Research Institute for Applied Mechanics, Kyushu University, 2) Research Institute for Applied Mechanics, Kyushu University</p>
	4	10:05 10:20	<p>THE NASA INCUS MISSION AND OBSERVATIONS OF CONVECTIVE MASS FLUX THROUGH REFLECTIVITY DIFFERENCING</p> <p><i>1) Brenda Dolan, 2) Susan van den Heever, 3) Pavlos Kollias, 4) Peter Marinescu, 5) Derek Posselt, 6) Randy Chase, 7) Kristen Rasmussen, 8) Rick Schulte, 9) Jennie Bukowski, 10) Itinderjot Singh, 11) Leah Grant</i> 1) Colorado State University, 2) Colorado State University, 3) Stony Brook University - Brookhaven National Laboratory - , 4) Colorado State University, 5) Jet Propulsion Laboratory, 6) Colorado State University - Cooperative Institute for Research in the Atmosphere - , 7) Colorado State University, 8) Colorado State University, 9) Colorado State University, 10) Colorado State University, 11) Colorado State University</p>
	5	10:20 10:35	<p>CHARACTERIZING WINDS AND CLOUDS INSIDE TROPICAL CYCLONES WITH THE PROPOSED ESA EARTH EXPLORER 11 WIVERN MISSION</p> <p><i>1) Frederic Tridon, 2) Alessandro Battaglia, 3) Ali Rizik, 4) Anthony Illingworth</i> 1) Department of Environment, Land and Infrastructure Engineering, Polytechnic of Turin, Turin, Italy, 2) Department of Environment, Land and Infrastructure Engineering, Polytechnic of Turin, Turin, Italy, 3) Department of Environment, Land and Infrastructure Engineering, Polytechnic of Turin, Turin, Italy, 4) Department of Meteorology, University of Reading, Reading, UK</p>
	6	10:35 10:50	<p>VALIDATION OF EARTHCARE REFLECTIVITY WEIGHTED MEAN DOPPLER VELOCITY IN RAINFALL BY USING DUAL-POLARIZATION WEATHER RADAR OBSERVATIONS</p> <p><i>1) Bernd Mom, 2) Mario Montopoli, 3) Alessandro Bracci, 4) Elisa Adirosi, 5) Luca Baldini, 6) Dmitri Moiseev</i> 1) University of Helsinki, Helsinki, Finland, 2) National Research Council, Institute of Atmospheric Sciences and Climate, Italy - Center of Excellence Telesensing of Environment and Model Prediction of Severe Events (CETEMPS), L'Aquila, Italy - , 3) National Research Council, Institute of Atmospheric Sciences and Climate, Italy, 4) National Research Council, Institute of Atmospheric Sciences and Climate, Italy, 5) National Research Council, Institute of Atmospheric Sciences and Climate, Italy, 6) University of Helsinki, Helsinki, Finland - Finnish Meteorological Institute, Helsinki, Finland -</p>
Session	2	Aula Archeologia	Radar and society
	1	9:20 9:35	<p>OPEN RADAR SCIENCE</p> <p><i>1) Scott Collis, 2) Kai Mühlbauer, 3) Max Grover, 4) Zach Sherman, 5) Robert Jackson, 6) Mike Dixon, 7) Michael Bell, 8) Stephen W. Nesbitt, 9) Robin Tanamachi, 10) Daniel Michelson, 11) Joshua Soderholm, 12) Brian Rose, 13) Kevin Tyle, 14) Tom Nicholas</i> 1) Environmental Sciences Division, Argonne National Laboratory, 2) Institute of Geosciences, Meteorology Section, University Bonn, Germany, 3) Environmental Science Division, Argonne National Laboratory, 4) Environmental Science Division, Argonne National Laboratory, 5) Environmental Science Division, Argonne National Laboratory, 6) National Center for Atmospheric Research, 7) Department of Atmospheric Science, Colorado State University, 8) Department of Climate, Meteorology & Atmospheric Sciences, University of Illinois Urbana-Champaign, 9) Department of Earth, Atmospheric, and Planetary Sciences, Purdue University, 10) Environment and Climate Change Canada, 11) Science and Innovation Group, Bureau of Meteorology, Australia, 12) Department of Atmospheric and Environmental Sciences, University at Albany (State University of New York), 13) Department of Atmospheric and Environmental Sciences, University at Albany (State University of New York), 14) CWorthy LLC</p>
	2	9:35 9:50	<p>THE LIDAR RADAR OPEN SOFTWARE ENVIRONMENT (LROSE) SCIENCE GATEWAY: RADAR ANALYSIS IN THE CLOUD</p> <p><i>1) Jennifer DeHart, 2) Brenda Javornik, 3) Ana Espinoza, 4) Michael Bell, 5) Julien Chastang, 6) Michael Dixon</i> 1) Colorado State University, 2) National Center for Atmospheric Research, 3) NSF Unidata, 4) Colorado State University, 5) NSF Unidata, 6) National Center for Atmospheric Research</p>
	3	9:50 10:05	<p>THE ROLE OF WEATHER RADAR APPLICATIONS IN ENVIRONMENTAL IMPACT ASSESSMENTS</p> <p><i>1) Nadja Weisshaupt, 2) Pekka Alho</i> 1) Finnish Meteorological Institute, 2) Turku University of Applied Sciences</p>
	4	10:05 10:20	<p>COMPARING RADAR DATA AND PRECIPITATION GROUND TRUTH: WHERE CAN IOT SENSORS HELP?</p> <p><i>1) Thomas Einfalt, 2) Bruno Castro, 3) Annika Jahnke-Bornemann</i> 1) hydro & meteo GmbH, 2) hydro & meteo GmbH, 3) hydro & meteo GmbH</p>
	5	10:20 10:35	<p>PROPOSAL OF HAIL FORECAST METHOD AND PERFORMANCE EVALUATION UTILIZING SOCIAL MEDIA POST DATA</p> <p><i>1) Yuta Ozawa, 2) Takahisa Wada, 3) Satoshi Kida, 4) Masakazu Wada, 5) Yasunori Nakagawa, 6) Osamu Yamanaka</i> 1) Infrastructure Systems Research and Development Center, Toshiba Infrastructure Systems & Solutions Corporation, 2) Infrastructure Systems Research and Development Center, Toshiba Infrastructure Systems & Solutions Corporation, 3) Toshiba Corporation, 4) Toshiba Corporation, 5) Toshiba Digital Solutions Corporation, 6) Infrastructure Systems Research and Development Center, Toshiba Infrastructure Systems & Solutions Corporation</p>
	6	10:35 10:50	<p>RADAR PRODUCTS AT THE ESSL TESTBED AND THE TIM FIELD CAMPAIGN</p> <p><i>1) Pieter Groenemeijer, 2) Alois M. Holzer, 3) Tomáš Púčik, 4) Francesco Battaglioli, 5) Stefan Eisenbach, 6) Jannick Fischer</i> 1) European Severe Storms Laboratory, 2) European Severe Storms Laboratory, 3) European Severe Storms Laboratory, 4) European Severe Storms Laboratory, 5) European Severe Storms Laboratory, 6) Institute for Meteorology and Climatology, Karlsruhe Institute of Technology</p>
Session	3	Aula Magna	Operational aspects
	1	14:15 14:30	<p>THE NEW CANADIAN WEATHER RADAR NETWORK - FROM PROJECT TO OPERATIONS</p> <p><i>1) Qian Li, 2) Sylvain Laramée, 3) Steven Brady, 4) Michael Romaniuk</i> 1) National Radar Operations, Meteorological Service of Canada, Environment and Climate Change Canada - Canadian Weather Radar Replacement Program, Meteorological Service of Canada, Environment and Climate Change Canada - , 2) Canadian Weather Radar Replacement Program, Meteorological Service of Canada, Environment and Climate Change Canada, 3) National Radar Operations, Meteorological Service of Canada, Environment and Climate Change Canada, 4) National Radar Operations, Meteorological Service of Canada, Environment and Climate Change Canada</p>
	2	14:30 14:45	<p>RADAR NETWORK DEPLOYMENT IN COMPLEX TERRAIN</p> <p><i>1) Renzo Bechini, 2) V. Chandrasekar, 3) Rob Cifelli, 4) Francesc Junyent</i> 1) Arpa Piemonte - Colorado State University - , 2) Colorado State University, 3) NOAA, 4) Colorado State University</p>
	3	14:45 15:00	<p>MITIGATING RADIOFREQUENCY INTERFERENCE IMPACTING CANADA'S S-BAND WEATHER RADARS</p> <p><i>1) Hamid hamid</i> 1) Environment Canada - Environment Canada - Environment Canada</p>

	4	15:00	15:15	INCORPORATING X-BAND RADAR OBSERVATIONS INTO THE GERMAN C-BAND NETWORK 1) <i>Nikolaos Antonoglou</i> , 2) <i>Manuel Werner</i> , 3) <i>Ulrich Blahak</i> , 4) <i>Kathleen Helmert</i> 1) Deutscher Wetterdienst, 2) Deutscher Wetterdienst, 3) Deutscher Wetterdienst, 4) Deutscher Wetterdienst
	5	15:15	15:30	A WIND TURBINE CLUTTER MITIGATION SOLUTION FOR THE NEXRAD NETWORK 1) <i>Feng Nai</i> , 2) <i>Sebastián Torres</i> 1) Cooperative Institute for Severe and High-Impact Weather Research and Operations, University of Oklahoma - NOAA/OAR National Severe Storms Laboratory - , 2) Cooperative Institute for Severe and High-Impact Weather Research and Operations, University of Oklahoma - NOAA/OAR National Severe Storms Laboratory -
	6	15:30	15:45	VARIABILITY OF THE WEATHER RADAR ALGORITHMS ACROSS THE ITALIAN TERRITORY 1) <i>Elisa Adirosi</i> , 2) <i>Federico Porcù</i> , 3) <i>Mario Montopoli</i> , 4) <i>Luca Baldini</i> , 5) <i>Alessandro Bracci</i> , 6) <i>Sabina Angeloni</i> , 7) <i>Vincenzo Capozzi</i> , 8) <i>Clizia Annella</i> , 9) <i>Giorgio Budillon</i> , 10) <i>Edoardo Bucchignani</i> , 11) <i>Alessandra Lucia Zollo</i> , 12) <i>Orietta Cazzuli</i> , 13) <i>Giulio Camisani</i> , 14) <i>Gian Paolo Minardi</i> , 15) <i>Renzo Bechini</i> , 16) <i>Roberto Cremonini</i> , 17) <i>Andrea Antonini</i> , 18) <i>Alberto Ortolani</i> , 19) <i>Samantha Melani</i> , 20) <i>Lorenzo Luini</i> , 21) <i>Roberto Nebuloni</i> , 22) <i>Vincenzo Rizi</i> , 23) <i>Paolo Valisa</i> , 24) <i>Simone Scapin</i> , 25) <i>Mauro Coltelli</i> , 26) <i>Giuseppe Giannello</i> , 27) <i>Giacomo Cavalli</i> , 28) <i>Roberto Pinna Nossai</i> 1) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy; , 2) Department of Physics and Astronomy "Augusto Righi", University of Bologna, Bologna, Italy; , 3) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy; - Center of Excellence for Telesensing of Environment and Model Prediction of Severe events, University of L'Aquila, L'Aquila, Italy; - , 4) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy; , 5) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Bologna, Italy; , 6) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy; , 7) Department of Science and Technology, University of Naples "Parthenope", Naples, Italy; , 8) Center of Excellence for Telesensing of Environment and Model Prediction of Severe events, University of L'Aquila, L'Aquila, Italy; - Department of Science and Technology, University of Naples "Parthenope", Naples, Italy; , 9) Department of Science and Technology, University of Naples "Parthenope", Naples, Italy; , 10) Meteorology Lab, Centro Italiano Ricerche Aerospaziali (CIRA), Capua, Italy; , 11) Meteorology Lab, Centro Italiano Ricerche Aerospaziali (CIRA), Capua, Italy; , 12) Regional Agency for the Protection of the Environment of Lombardy (ARPA Lombardia), Milan, Italy; , 13) Regional Agency for the Protection of the Environment of Lombardy (ARPA Lombardia), Milan, Italy; , 14) Regional Agency for the Protection of the Environment of Lombardy (ARPA Lombardia), Milan, Italy; , 15) Regional Agency for the Protection of the Environment of Piemonte (ARPA Piemonte), Turin, Italy; , 16) Regional Agency for the Protection of the Environment of Piemonte (ARPA Piemonte), Turin, Italy; , 17) Laboratory of Environmental Monitoring and Modelling for the sustainable development (LaMMA), Sesto Fiorentino (Florence), Italy, 18) Laboratory of Environmental Monitoring and Modelling for the sustainable development (LaMMA), Sesto Fiorentino (Florence), Italy - National Research Council of Italy, Institute for the BioEconomy (CNR-IBE), Sesto Fiorentino (Florence), Italy - , 19) Laboratory of Environmental Monitoring and Modelling for the sustainable development (LaMMA), Sesto Fiorentino (Florence), Italy - National Research Council of Italy, Institute for the BioEconomy (CNR-IBE), Sesto Fiorentino (Florence), Italy - , 20) Politecnico di Milano, Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB), Milan, Italy, 21) National Research Council , Institute of Electronics, Computer and Telecommunication Engineering (CNR-IEIT), Milan, Italy, 22) University of L'Aquila, Physical and Chemical Sciences (DSFC), L'Aquila, Italy, 23) Società Astronomica Schiaparelli, Centro Geofisico Prealpino, Varese, Italy, 24) Società Astronomica Schiaparelli, Centro Geofisico Prealpino, Varese, Italy, 25) National Institute of Geophysics and Volcanology (INGV), Osservatorio Etno, Catania, Italy, 26) National Institute of Geophysics and Volcanology (INGV), Osservatorio Etno, Catania, Italy, 27) Regional Agency for the Protection of the Environment of Sardegna (Arpa Sardegna), Sassari, Italy; , 28) Regional Agency for the Protection of the Environment of Sardegna (Arpa Sardegna), Sassari, Italy;
	7	15:45	16:00	ROC/NSSL RADAR PRODUCT IMPROVEMENT: AN R20 SUCCESS STORY 1) <i>Larry Hopper</i> , 2) <i>Michael Istok</i> , 3) <i>Terry Schuur</i> 1) NOAA/National Severe Storms Laboratory, 2) NOAA/National Weather Service Radar Operations Center, 3) University of Oklahoma Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO) - NOAA/National Severe Storms Laboratory -
	8	16:00	16:15	PLANNING FOR NOAA'S NEXT GENERATION DOPPLER WEATHER RADAR SYSTEM 1) <i>Michael Istok</i> , 2) <i>Ajay Mehta</i> , 3) <i>Terrance Clark</i> , 4) <i>Frank Gallagher, III</i> , 5) <i>Mathew Grow</i> , 6) <i>Jessica Schultz</i> 1) NOAA / NWS / Office of Observations, 2) NOAA / NWS / Office of Observations, 3) NOAA / NWS / Office of Observations, 4) NOAA / NWS / Office of Observations, 5) NOAA / NWS / Office of Observations, 6) USAF/AFMC/LCMC/HBAW/OL-K
Session	4	Aula Archeologia		Radar hydrometeorological applications
	1	14:15	14:30	ASSESSING THE ACCURACY OF RADAR RAINFALL AT CATCHMENT SCALE ACROSS GREAT BRITAIN 1) <i>Miguel Angel Rico-Ramirez</i> , 2) <i>Jiao Wang</i> , 3) <i>Dawei Han</i> 1) University of Bristol, 2) University of Bristol, 3) University of Bristol
	2	14:30	14:45	A NEW QPE METHOD FOR WINTER RAIN EVENTS APPLIED TO THE GERMAN RADAR NETWORK 1) <i>Raquel Evaristo</i> , 2) <i>Ju-yu Chen</i> , 3) <i>Alexander Ryzhkov</i> , 4) <i>Silke Trömel</i> 1) University of Bonn, 2) University of Bonn, 3) NSSL NOAA - Oklahoma University - , 4) University of Bonn
	3	14:45	15:00	OPTIMIZED RADAR RELATIONS FOR SNOW ESTIMATION VIA GROUND-BASED PARAMETER RETRIEVALS 1) <i>Petar Bukovic</i> , 2) <i>Alexander Ryzhkov</i> , 3) <i>Dusan Zrnic</i> 1) The University of Oklahoma - CIWRO - National Severe Storms Laboratory - , 2) The University of Oklahoma - CIWRO - National Severe Storms Laboratory - , 3) National Severe Storms Laboratory
	4	15:00	15:15	SNOW QUANTITATIVE PRECIPITATION ESTIMATION FROM THE CANADIAN S-BAND RADAR NETWORK. 1) <i>Sudesh Boodoo</i> , 2) <i>Norman Donaldson</i> , 3) <i>Daniel Michelson</i> 1) Environment and Climate Change Canada, 2) Environment and Climate Change Canada, 3) Environment and Climate Change Canada
	5	15:15	15:30	SURFACE QUANTITATIVE PRECIPITATION ESTIMATES (SQUIRE) FROM THE X-BAND PRECIPITATION RADAR DURING THE SURFACE ATMOSPHERE INTEGRATED FIELD LABORATORY (SAIL) EXPERIMENT 1) <i>Robert Jackson</i> , 2) <i>Max Grover</i> , 3) <i>Joseph O'Brien</i> , 4) <i>Scott Collis</i> , 5) <i>Adam Theisen</i> , 6) <i>Zach Sherman</i> , 7) <i>Bhupendra Raut</i> , 8) <i>Matt Tuftedal</i> , 9) <i>V. Chandrasekar</i> , 10) <i>Dan Feldman</i> 1) Argonne National Laboratory, 2) Argonne National Laboratory, 3) Argonne National Laboratory, 4) Argonne National Laboratory, 5) Argonne National Laboratory, 6) Argonne National Laboratory, 7) Argonne National Laboratory, 8) Argonne National Laboratory, 9) Colorado State University, 10) Lawrence Berkeley National Laboratory
	6	15:30	15:45	ADVANCED OPERATIONAL COMPOSITE FOR MULTI-FREQUENCY POLARIMETRIC WEATHER RADAR OBSERVATIONS IN COMPLEX TERRAIN: THE AQPI STORY 1) <i>Roberto Cremonini</i> , 2) <i>Sounak Biswas</i> , 3) <i>C. Radhakrishnan</i> , 4) <i>V. Chandrasekar</i> , 5) <i>Rob Cifelli</i> 1) Colorado State University - ARPA Piemonte - , 2) Colorado State University - NOAA Physical Sciences Laboratory - , 3) Colorado State University, 4) Colorado State University, 5) NOAA Physical Sciences Laboratory
	7	15:45	16:00	OPERATIONAL SATELLITE PRECIPITATION PRODUCTS COMBINED WITH GROUND OBSERVATION FOR HYDROLOGICAL PURPOSES: CASE STUDIES AND APPLICATIONS 1) <i>Nicoletta Roberto</i> , 2) <i>Alexander Toniazzo</i> , 3) <i>Marco Petracca</i> , 4) <i>Luca Brocca</i> , 5) <i>Luca Ciabatta</i> , 6) <i>Simone Gabellani</i> , 7) <i>Silvia Puca</i> 1) Italian Civil Protection Department, 2) Italian Civil Protection Department, 3) ISAC - CNR, 4) IRPI-CNR, 5) IRPI-CNR, 6) CIMA, 7) Italian Civil Protection Department
	8	16:00	16:15	THE USE OF BULK ZDR TO MITIGATE BIASES IN MRMS SPECIFIC ATTENUATION BASED QPE 1) <i>Stephen Cocks</i> , 2) <i>Lin Tang</i> , 3) <i>Jian Zhang</i> 1) CIWRO - NSSL - , 2) CIWRO - NSSL - , 3) NSSL
Session	5	Aula Magna		Radar hydrometeorological applications
	1	16:45	17:00	A NEW METHODOLOGY FOR RAINFALL ESTIMATION USING SPECIFIC ATTENUATION 1) <i>Alexander Ryzhkov</i> , 2) <i>Pengfei Zhang</i> 1) University of Oklahoma - National Severe Storms Laboratory - , 2) University of Oklahoma - National Severe Storms Laboratory -
	2	17:00	17:15	MERGING QUANTITATIVE PRECIPITATION ESTIMATES FROM A RESEARCH RADAR WITH AN OPERATIONAL COMPOSITE - THE IMPORTANCE OF QUALITY 1) <i>David Duffton</i> , 2) <i>Lindsay Bennett</i> , 3) <i>Steve Cole</i> , 4) <i>Ryan Neely III</i> , 5) <i>John Wallbank</i> , 6) <i>Steven Wells</i> 1) National Centre for Atmospheric Science, UK - University of Leeds, UK - , 2) National Centre for Atmospheric Science, UK - University of Leeds, UK - , 3) UK Centre for Ecology & Hydrology, 4) National Centre for Atmospheric Science, UK - University of Leeds, UK - , 5) UK Centre for Ecology & Hydrology, 6) UK Centre for Ecology & Hydrology
	3	17:15	17:30	BLENDED OF RADAR, SATELLITE AND GAUGE RAINFALL DATA FOR HYDROLOGICAL APPLICATION 1) <i>Jayaram Pudashine</i> , 2) <i>Carlos Velasco-Forero</i> , 3) <i>Michael Vale</i> 1) Bureau of Meteorology, Radar Science, 2) Bureau of Meteorology, Radar Science, 3) Bureau of Meteorology, Radar Science
	4	17:30	17:45	THE UPDATED OPENMRG: A UNIQUE OPEN MULTI-SENSOR PRECIPITATION DATA SET 1) <i>Remco C.Z. van de Beek</i> , 2) <i>Louise Petersson-Wårdh</i> , 3) <i>Jonas Olsson</i> , 4) <i>Jafet Andersson</i> 1) Swedish Meteorological and Hydrological Institute, 2) Swedish Meteorological and Hydrological Institute, 3) Swedish Meteorological and Hydrological Institute, 4) Swedish Meteorological and Hydrological Institute
	5	17:45	18:00	IMPROVING THE KNMI QPE PRODUCTS THROUGH THE USE OF SPECIFIC DIFFERENTIAL PHASE 1) <i>Tim Vlemmix</i> , 2) <i>Aart Overeem</i> , 3) <i>Hilde Leijnse</i> , 4) <i>Thomas Hengstebeck</i> 1) KNMI, 2) KNMI - TU-Delft - , 3) KNMI, 4) DWD

	6	18:00	18:15	COMPARISON OF KDP ESTIMATION ALGORITHMS IN SUMMER RAINFALL OBSERVATIONS IN FINLAND 1) <i>Miguel Aldana</i> , 2) <i>Seppo Pulkkinen</i> , 3) <i>Annakaisa von Lerber</i> , 4) <i>Matthew Kumjian</i> , 5) <i>Dmitri Moisseev</i> 1) Finnish Meteorological Institute - University of Helsinki - , 2) Finnish Meteorological Institute, 3) Finnish Meteorological Institute, 4) The Pennsylvania State University, 5) University of Helsinki
	7	18:15	18:30	ASSESSING THE ADDED VALUE OF HIGH-RESOLUTION X BAND RADAR MEASUREMENTS FOR RAINFALL ESTIMATION IN WESTERN GERMANY. 1) <i>Daniel Sanchez-Rivas</i> , 2) <i>Silke Trömel</i> 1) Department of Meteorology, Institute of Geosciences, University of Bonn, 2) Department of Meteorology, Institute of Geosciences, University of Bonn
	8	18:30	18:45	A NEW MICRO-PHYSICAL INTERPRETATION OF THE Z-R RELATIONSHIP FOR OPERATIONAL QPE APPLICATIONS 1) <i>Nan YU</i> 1) Centre de Météorologie Radar - Météo France
Session	6	Aula Archeologia		Space borne clouds and precipitation radar
	1	16:45	17:00	AIRCRAFT OBSERVATIONS OF STRATOCUMULUS CLOUDS USING A W-BAND RADAR-RADIOMETER: PRELIMINARY RESULTS FOR THE WIVERN MISSION 1) <i>Cuong Nguyen</i> , 2) <i>Philip Gabriel</i> , 3) <i>Natalia Bliankinshtein</i> , 4) <i>Alessandro Battaglia</i> , 5) <i>Leonid Nichman</i> , 6) <i>Keywan Ranjbar</i> , 7) <i>Kenny Bala</i> , 8) <i>Mengistu Wolde</i> , 9) <i>Pavlos Kollias</i> , 10) <i>Anthony Illingworth</i> 1) Flight Research Laboratory, National Research Council Canada, Ottawa, Canada, 2) Horizon Science and Technology, Wolfville, NS, Canada, 3) Flight Research Laboratory, National Research Council Canada, Ottawa, Canada, 4) Department of Environment, Land and Infrastructure Engineering, Politecnico di Torino, Torino, Italy - Department of Physics and Astronomy, University of Leicester, Leicester, UK - National Centre for Earth Observation, Leicester, UK, 5) Flight Research Laboratory, National Research Council Canada, Ottawa, Canada, 6) Flight Research Laboratory, National Research Council Canada, Ottawa, Canada, 7) Flight Research Laboratory, National Research Council Canada, Ottawa, Canada, 8) Flight Research Laboratory, National Research Council Canada, Ottawa, Canada, 9) Division of Atmospheric Sciences, Stony Brook University, Stony Brook, NY, USA - Department of Environmental and Climate Sciences, Brookhaven National Laboratory, Upton, NY, USA - , 10) Department of Meteorology, University of Reading, Reading, UK
	2	17:00	17:15	ASSIMILATION OF DOPPLER FROM SPACE IN WRF MODEL: APPLICATION TO WIVERN RADAR FOR THE MEDICANE IANOS CASE STUDY 1) <i>Stefano Federico</i> , 2) <i>Rosa Claudia Torcasio</i> , 3) <i>Mario Montopoli</i> , 4) <i>Giulia Panegrossi</i> , 5) <i>Alessandro Battaglia</i> , 6) <i>Cinzia Cambiotti</i> 1) CNR-ISAC, via del Fosso del Cavaliere 100, 00133 Rome, 2) CNR-ISAC, via del Fosso del Cavaliere 100, 00133 Rome, 3) CNR-ISAC, via del Fosso del Cavaliere 100, 00133 Rome, 4) CNR-ISAC, via del Fosso del Cavaliere 100, 00133 Rome, 5) DIATI, Politecnico di Torino, Turin, 6) DIATI, Politecnico di Torino, Turin
	3	17:15	17:30	EVALUATION OF THE POTENTIALITIES OF A SYNERGISTIC USE OF SATELLITE RADAR AND RADIOMETER OBSERVATIONS FOR SNOWFALL RETRIEVAL 1) <i>Andrea Camplani</i> , 2) <i>Daniele Casella</i> , 3) <i>Paolo Sanò</i> , 4) <i>Leo Pio D'Adderio</i> , 5) <i>Stefano Sebastianelli</i> , 6) <i>Giulia Panegrossi</i> , 7) <i>Alessandro Battaglia</i> 1) Institute of Atmospheric Sciences and Climate - National Research Council of Italy, 2) Institute of Atmospheric Sciences and Climate - National Research Council of Italy, 3) Institute of Atmospheric Sciences and Climate - National Research Council of Italy, 4) Institute of Atmospheric Sciences and Climate - National Research Council of Italy, 5) Institute of Atmospheric Sciences and Climate - National Research Council of Italy, 6) Institute of Atmospheric Sciences and Climate - National Research Council of Italy, 7) Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, Turin, Italy
	4	17:30	17:45	ANALYZE GPM PRECIPITATION DATA WITHOUT GETTING SOAKED - HOW GPM-API HELPS YOU STAY DRY AND WISE 1) <i>Gionata Ghiggi</i> , 2) <i>Alexis Berne</i> 1) École polytechnique fédérale de Lausanne, 2) École polytechnique fédérale de Lausanne
	5	17:45	18:00	EVALUATION OF ANGLE BIN DEPENDENCY OF PRECIPITATION PRODUCT OF DUAL FREQUENCY PRECIPITATION RADAR (DPR) ONBOARD GLOBAL 1) <i>Nobuhiro Takahashi</i> 1) Institute for Space-Earth Environmental Research, Nagoya University
	6	18:00	18:15	CHARACTERIZING WINDS AND CLOUDS INSIDE TROPICAL CYCLONES WITH THE PROPOSED ESA EARTH EXPLORER 11 WIVERN MISSION 1) <i>Bernd Mom</i> , 2) <i>Mario Montopoli</i> , 3) <i>Alessandro Bracci</i> , 4) <i>Elisa Adirosi</i> , 5) <i>Luca Baldini</i> , 6) <i>Dmitri Moisseev</i> 1) University of Helsinki, Helsinki, Finland, 2) National Research Council, Institute of Atmospheric Sciences and Climate, Italy - Center of Excellence Telesensing of Environment and Model Prediction of Severe Events (CETEMPS), L'Aquila, Italy - , 3) National Research Council, Institute of Atmospheric Sciences and Climate, Italy, 4) National Research Council, Institute of Atmospheric Sciences and Climate, Italy, 5) National Research Council, Institute of Atmospheric Sciences and Climate, Italy, 6) University of Helsinki, Helsinki, Finland - Finnish Meteorological Institute, Helsinki, Finland -
	7	18:15	18:30	COMPARISON BETWEEN DPR VERSION 7 AND DISDROMETERS OVER ITALY 1) <i>Sabina Angeloni</i> , 2) <i>Elisa Adirosi</i> , 3) <i>Federico Porcù</i> , 4) <i>Mario Montopoli</i> , 5) <i>Luca Baldini</i> , 6) <i>Alessandro Bracci</i> , 7) <i>Vincenzo Capozzi</i> , 8) <i>Clizia Annella</i> , 9) <i>Giorgio Budillon</i> , 10) <i>Edoardo Bucchignani</i> , 11) <i>Alessandra Lucia Zollo</i> , 12) <i>Orietta Cazzuli</i> , 13) <i>Gian Paolo Minardi</i> , 14) <i>Renzo Bechini</i> , 15) <i>Roberto Cremonini</i> , 16) <i>Andrea Antonini</i> , 17) <i>Alberto Ortolani</i> , 18) <i>Samantha Melani</i> , 19) <i>Lorenzo Luini</i> , 20) <i>Roberto Nebuloni</i> , 21) <i>Vincenzo Rizi</i> , 22) <i>Paolo Valisa</i> , 23) <i>Simone Scapin</i> , 24) <i>Mauro Cottelli</i> , 25) <i>Giuseppe Giammello</i> , 26) <i>Giacomo Cavalli</i> , 27) <i>Roberto Pinna Nossai</i> 1) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy, 2) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy, 3) Department of Physics and Astronomy "Augusto Righi", University of Bologna, Bologna, Italy, 4) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy - Center of Excellence for Telesensing of Environment and Model Prediction of Severe events, University of L'Aquila, L'Aquila, Italy - , 5) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Rome, Italy, 6) National Research Council, Institute of Atmospheric Science and Climate (CNR-ISAC), Bologna, Italy, 7) Department of Science and Technology, University of Naples "Parthenope", Naples, Italy, 8) Department of Science and Technology, University of Naples "Parthenope", Naples, Italy, 9) Department of Science and Technology, University of Naples "Parthenope", Naples, Italy, 10) Meteorology Lab, Centro Italiano Ricerche Aerospaziali (CIRA), Capua, Italy, 11) Meteorology Lab, Centro Italiano Ricerche Aerospaziali (CIRA), Capua, Italy, 12) Regional Environmental Protection Agency of Lombardy (ARPA Lombardia), Milan, Italy, 13) Regional Environmental Protection Agency of Lombardy (ARPA Lombardia), Milan, Italy, 14) Regional Agency for the Protection of the Environment of Piemonte (ARPA Piemonte), Turin, Italy, 15) Regional Agency for the Protection of the Environment of Piemonte (ARPA Piemonte), Turin, Italy, 16) Laboratory of Environmental Monitoring and Modelling for the sustainable development (LaMMA), Sesto Fiorentino (Florence), Italy, 17) Laboratory of Environmental Monitoring and Modelling for the sustainable development (LaMMA), Sesto Fiorentino (Florence), Italy - National Research Council of Italy, Institute for the BioEconomy (CNR-IBE), Sesto Fiorentino (Florence), Italy - , 18) Laboratory of Environmental Monitoring and Modelling for the sustainable development (LaMMA), Sesto Fiorentino (Florence), Italy - National Research Council of Italy, Institute for the BioEconomy (CNR-IBE), Sesto Fiorentino (Florence), Italy - , 19) Politecnico di Milano, Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB), Milan, Italy, 20) National Research Council, Institute of Electronics, Computer and Telecommunication Engineering (CNR-IEIT), Milan, Italy, 21) University of L'Aquila, Physical and Chemical Sciences (DSFC), L'Aquila, Italy, 22) Società Astronomica Schiaparelli, Centro Geofisico Prealpino, Varese, Italy, 23) Società Astronomica Schiaparelli, Centro Geofisico Prealpino, Varese, Italy, 24) National Institute of Geophysics and Volcanology (INGV), Osservatorio Etneo, Catania, Italy, 25) National Institute of Geophysics and Volcanology (INGV), Osservatorio Etneo, Catania, Italy, 26) Regional Agency for the Protection of the Environment of Sardegna (Arpa Sardegna), Sassari, Italy, 27) Regional Agency for the Protection of the Environment of Sardegna (Arpa Sardegna), Sassari, Italy
	8	18:30	18:45	HYDROMETEOR PARTITIONING RATIOS FOR DUAL-FREQUENCY SPACE-BORNE AND POLARIMETRIC GROUND-BASED RADAR OBSERVATIONS 1) <i>Velibor Pejčic</i> , 2) <i>Kamil Mroz</i> , 3) <i>Kai Mühlbauer</i> , 4) <i>Silke Trömel</i> 1) Institute for Geosciences, Department of Meteorology, University of Bonn, Bonn, Germany, 2) National Centre for Earth Observation, University of Leicester, Leicester, UK, 3) Institute for Geosciences, Department of Meteorology, University of Bonn, Bonn, Germany, 4) Institute for Geosciences, Department of Meteorology, University of Bonn, Bonn, Germany - Laboratory for clouds and Precipitation exploration, Geoverbund ABC/J, Bonn, Germany -