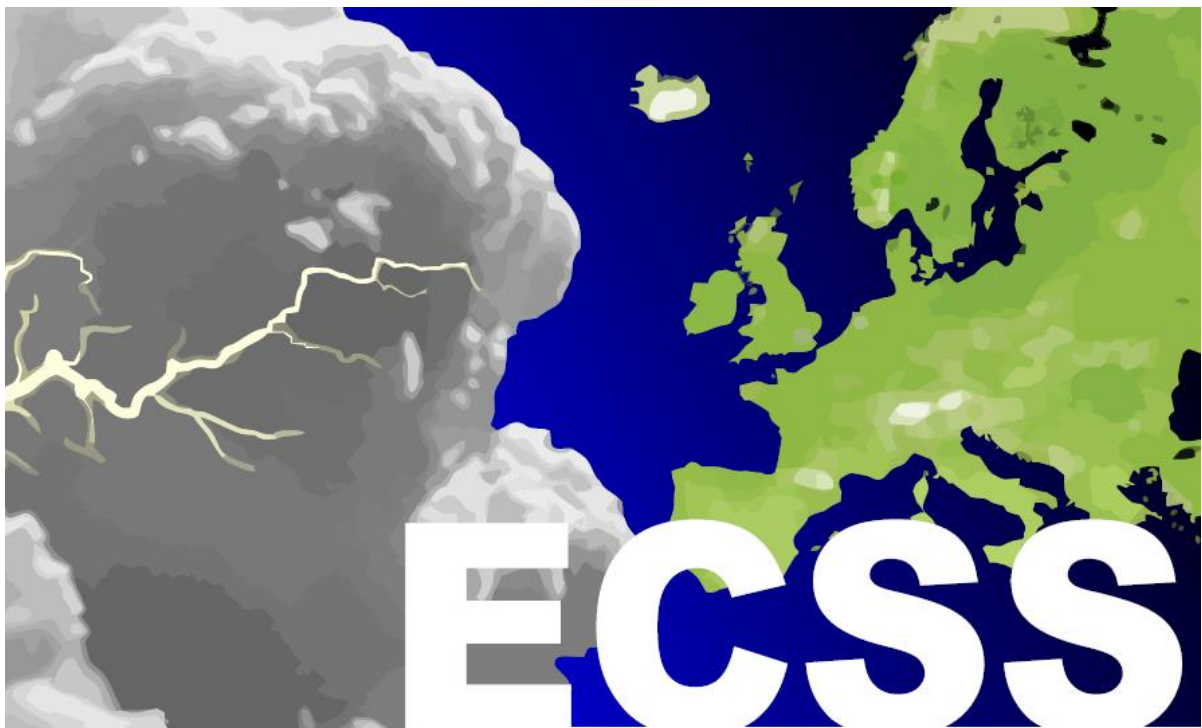


8th European Conference on Severe Storms

Wiener Neustadt, Austria

14 – 18 September 2015

Programme



European Conference on Severe Storms

Sunday, 13 September 2015

Location: Sidemeeting room

17:00–19:00

SE1: ESSL General Assembly (by invitation only)

19:00–20:30

SOE1: Publishing your conference presentation - workshop by Prof. David Schultz

Monday, 14 September 2015

Location: Ballroom

09:00–09:30

SE-2: Opening Session

09:30–10:45

NWP: Numerical Weather Prediction

Chairperson: K. Mulder

09:30–10:00: ECSS2015-9

Simulation of historic European tornado events using the 20th Century Reanalysis

Brooks, Harold; Hoogewind, Kimberly; Gensini, Vittorio

10:00–10:15: ECSS2015-24

HyMeX IOP2b: observations and numerical simulations of a supercell over the Friuli-Venezia Giulia region (northeastern Italy)

Miglietta, Mario Marcello; Manzato, Agostino; Rotunno, Richard

10:15–10:30: ECSS2015-185

Model Error Impacts on High Resolution Ensemble Forecasts of Low-Level Rotation in the 31 May 2013 El Reno, Oklahoma Supercell

Skinner, Patrick; Wicker, Louis; Potvin, Corey; Mansell, Edward

10:30–10:45: ECSS2015-82

Comparison of 3-km analyses and forecasts from WRF-LETKF and WRF-EAKF ensembles

Potvin, Corey; Wheatley, Dustan; Knopfmeier, Kent; Wicker, Louis; Ladwig, Therese

Discussion

10:45 Coffee break

11:30–12:00: ECSS2015-5

The Interaction between QLCSs and Marine Atmospheric Boundary Layers

Lombardo, Kelly

12:00–12:15: ECSS2015-167

Utilizing radar-derived rotation tracks for verifying model-simulated rotation in convection-permitting ensemble forecasts

Dawson, Logan; Trapp, Robert; Romine, Glen; Baldwin, Michael

12:15–12:30: ECSS2015-149

Summer hailstorms over Switzerland in 2012-2014 - observed and simulated.

Martynov, Andrey; Nisi, Luca; Martius, Olivia

12:30–12:45: ECSS2015-135

The squall line of 4th October 2007 over the Western Mediterranean: attributing its predictability

Carrió Carrió, Diego; Homar Santaner, Víctor

12:45–13:00: ECSS2015-118

Data Assimilation of Ice-Water Mixing Ratios Estimated from Polarimetric Radar Observation

Yamaguchi, Kosei; Furuta, Kohei; Nakakita, Eiichi

13:00 Lunch break

14:30–15:45

NOF: Nowcasting and Forecasting

Chairperson: C. Gatzen

14:30–14:45: ECSS2015-92

Severe windstorms in Croatia in 2015

Strelec Mahovic, Natasa

14:45–15:00: ECSS2015-25

The EFI for forecasting severe convection

Tsonevsky, Ivan

15:00–15:15: ECSS2015-42

NowCastMIX – optimized automatic warnings from continuously monitored nowcasting systems based on fuzzy-logic evaluations of storm attributes

James, Paul; Reichert, Bernhard; Heizenreder, Dirk

15:15–15:30: ECSS2015-52

Exploring high-vertical resolution data sources for use in NearCasting

Petersen, Ralph; Crouce, Lee; Aune, Robert; Line, William

15:30–15:45: ECSS2015-154

Post-processing methods for probabilistic convection forecasts based on the limited-area ensemble COSMO-DE-EPS of DWD

Wiegand, Lars; Gebhardt, Christoph

Discussion

15:45 Coffee break

16:30–16:45: ECSS2015-77

Discriminating downburst-producing and hail-bearing thunderstorms using total lightning and weather radar observations

Rigo, Tomeu; Aran, Montse; Bech, Joan; Farnell, Carme; Mateo, Jordi; Pineda, Nicolau; Ripoll, Ricard; Serra, Aleix

16:45–17:00: ECSS2015-153

Assessment of reanalysis-derived parameters as dichotomous predictors and neural network inputs for forecasting thunderstorms in Finland

Ukkonen, Peter; Mäkelä, Antti

17:00–17:15: ECSS2015-73

Cb-LIKE – Thunderstorm forecasts up to six hours with fuzzy logic

Köhler, Martin

17:15–17:30: ECSS2015-80

Fully automated thunderstorm warnings and operational nowcasting at MeteoSwiss

Hering, Alessandro; Nisi, Luca; Della Bruna, Guido; Gaia, Marco; Nerini, Daniele; Ambrosetti, Paolo; Hamann, Ulrich; Trefalt, Simona; Germann, Urs

17:30–17:45: ECSS2015-13

Nowcasting of Thunderstorm and Intense Rainfall events using dual Pol Radar and IWV-GPS

Toledo Machado, Luiz Augusto; V. Mattos, Enrique; L. Medina, Bruno; Sapucci, Luiz F.

17:45–18:00: ECSS2015-168

Nowcasting of heavy precipitation in the Alpine region: identification of optimal thresholds for alerts through statistical investigations (withdrawn)

Panziera, Luca; Gabella, Marco; Ambrosetti, Paolo; Berne, Alexis; Germann, Urs

Discussion

END OF ORAL PROGRAMME NOF

18:30–20:30

SOE2: Icebreaker Reception

Welcome Addresses by:

LOC Chair Alois M. Holzer, ESSL Director of Operations**Landesrat Dr. Stephan Pernkopf, Member of the Provincial Government, on behalf of the Governor of Lower Austria, Dr. Erwin Pröll****Vizebürgermeister Dr. Christian Stocker, Deputy Mayor of the City of Wiener Neustadt, on behalf of the Mayor of the City of Wiener Neustadt, Klaus Schneeberger**

Tuesday, 15 September 2015

Location: Ballroom

09:00–13:00

CLIM: Climatology

Chairperson: J. Dahl

09:00–09:15: ECSS2015-139

Interannual variability in recent data of the European Severe Weather Database

Groenemeijer, Pieter; Kühne, Thilo; Pucik, Tomas; Tijssen, Lars; Westermayer, Anja; Holzer, Alois M.**09:15–09:30: ECSS2015-165**

Convective wind gusts in Germany

Mohr, Susanna; Kunz, Michael; Kosch, Julia**09:30–09:45: ECSS2015-181**

Analysis of a 18-year climatology of German derechos

Gatzen, Christoph; Andreas, Fink; Joaquim, Pinto; David, Schultz**09:45–10:00: ECSS2015-11**

Mesocyclones in Central Europe as seen by Radar

Wapler, Kathrin; Hengstebeck, Thomas; Groenemeijer, Pieter**10:00–10:15: ECSS2015-143**

Severe Hail over the United States and its Relationship to the Climate System

Allen, John; Tippet, Michael; Sobel, Adam**10:15–10:30: ECSS2015-166**

An Evaluation of Predictions of Convective Environments using the Climate Forecast System Version 2 - Methods and Results

Stepanek, Adam; Trapp, Robert; Baldwin, Michael**10:30–10:45: ECSS2015-65**

A refined assessment of recent trends in hail frequency and intensity in France

Berthet, Claude; Dessens, Jean; Sanchez, Jose-Luis

Discussion

10:45 Coffee break**11:30–11:45: ECSS2015-105**

On the role of synoptic scale processes in severe local storm outbreaks

Doswell III, Charles; Shafer, Chad**11:45–12:00: ECSS2015-140**

Tornado Outbreaks in Europe

Tijssen, Lars; Groenemeijer, Pieter**12:00–12:15: ECSS2015-33**

Climatology of severe convective storm environments from ERA-interim

Tilev-Tanriover, Seyda; Schultz, David M.; Kadioglu, Mikdat**12:15–12:30: ECSS2015-156**

Identification of thunderstorms in reanalysis data and development of a statistical convective initiation model

Westermayer, Anja; Groenemeijer, Pieter; Pistotnik, Georg; Sausen, Robert; Faust, Eberhard**12:30–12:45: ECSS2015-138**

The representation of (severe) thunderstorm environments in Europe using different reanalysis datasets.

Pucik, Tomas; Tijssen, Lars; Groenemeijer, Pieter; Westermayer, Anja**12:45–13:00: ECSS2015-130**

Tornadoes in Europe: Risk and vulnerability assessment

Antonescu, Bogdan; Schultz, David M.; Mulder, Kelsey; Vaughan, Geraint**END OF ORAL PROGRAMME CLIM****13:00 Lunch break**

Location: Sidemeeting room

15:00 – 16:00

SE3: Press Conference

Initial Statements by:

Mag. Thomas Krennert, Member of the Local Organizing Committee, ZAMG Vienna (Moderator)**Dr. Pieter Groenemeijer, ESSL Director, ECSS Organizer****Dr. Bogdan Antonescu, Co-Chair of the Scientific Programme Committee****Dr. Harold Brooks, NSSL, USA****Stadtrat DI Franz Dinhobl, City of Wiener Neustadt**

Location: Ballroom

16:30–18:00

SAT: Satellite

Chairperson: K. Lombardo

16:30–16:45: ECSS2015-10

Early detection of thunderstorms using satellite and radar observations

Hamann, Ulrich; Clementi, Lorenzo; Gabella, Marco; Germann, Urs; Hering, Alessandro M.; Nisi, Luca; Sassi, Marco

16:45–17:00: ECSS2015-74

Meteosat-based Characterization of the Initiation and Growth of Severe Convective Storms over Central Europe

Senf, Fabian; Deneke, Hartwig

17:00–17:15: ECSS2015-106

Validation of the NearCast product over Europe during summer season 2015

Smiljanic, Ivan; Strelec Mahovic, Natasa; Petersen, Ralph

17:15–17:30: ECSS2015-51

Evaluating Properties of Intense Storms using MSG SEVIRI Observations and Derived Microphysical Properties

Mecikalski, John; Manzato, Agostino; Rosenfeld, Danny; Combs, Jerry

17:30–17:45: ECSS2015-14

Observations of Severe Storms from One-Minute GOES Imagery in the U.S. (withdrawn)

Lindsey, Daniel; Bikos, Dan; Schmit, Timothy

17:45–18:00: ECSS2015-3

Details of storm top evolution in experimental 2.5-minute MSG rapid scan data

Setvak, Martin; Wang, Pao

Discussion

END OF ORAL PROGRAMME SAT

Location: Poster Area

Poster Session 1

Attendance Time: 14:30–16:00

P1: ECSS2015-1

An analysis of the meteorological parameters related to the waterspout development in the southern Adriatic Sea

Renko, Tanja; Strelec Mahović, Nataša; Irha, Hela

P2: ECSS2015-4

Mesoscale Convective Complex over Central Mediterranean on 20th September 2014

Šoljan, Vinko; Mikuš Jurković, Petra, and Renko, Tanja

P3: ECSS2015-12

Characterisation of severe convective events using a multi-data approach

Wapler, Kathrin; Pardowitz, Tobias; Senf, Fabian

P5: ECSS2015-17

Analysis of an intense tropical-like cyclone over the western Mediterranean Sea through a combined modeling and satellite approach

Miglietta, Mario Marcello; Cerrai, Diego; Laviola, Sante; Cattani, Elsa; Levizzani, Vincenzo; Kim, Wanhee; Park, Seon K.; Cassardo, Claudio; Ricchi, Antonio; Carniel, Sandro

P6: ECSS2015-21

Development and verification of a real-time stochastic precipitation nowcasting system in Belgium

Foresti, Loris; Reyniers, Maarten; Delobbe, Laurent

P7: ECSS2015-30

Long-term variability of thunderstorms and thunderstorm precipitation in southern Poland

Bielec-Bakowska, Zuzanna

P8: ECSS2015-31

Thailand riverine flood risk modeling and loss quantification from re/insurance perspectives

Hu, Xiaoting; **Yin, Jianming;** Murakami, Taro; Sasajima, Yuto; Ogane, Yoshiaki

P9: ECSS2015-34

Storm-Scale Ensemble Forecasts for the 2015 NOAA HWT Spring Forecasting Experiment: Comparison between Cycled EnKF and 3DVAR Ensembles

Kong, Fanyou; Xue, Ming; Jung, Youngsun; Brewster, Keith

P10: ECSS2015-38

Climatological analysis of tornado events in Bulgaria during the period 2001-2014

Bocheva, Liliya; Simeonov, Petio

P11: ECSS2015-40

Nowcasting of the hail storms with the COSMO NWP model

Sokol, Zbynek; Pesice, Petr

P12: ECSS2015-41

Regional distribution of torrential convective precipitation in Bulgaria (1990-2014)

Nikolova, Tsveta; Bocheva, Lilia; Simeonov, Petio; Marinova, Tania

P13: ECSS2015-45

Instabilities and eddy systems in the upper atmosphere
Simon, Werner

P14: ECSS2015-46

Effect of frictional rain dissipation on hurricane intensity
Sabuwala, Tapan; Gioia, Gustavo; Chakraborty, Pinaki

P15: ECSS2015-50

Development of a Coupled GOES-R Legacy Sounding NearCast with Convective Initiation Products to Improve Convective Weather Nowcasts
Mecikalski, John; Crounce, Lee; **Petersen, Ralph**

P17: ECSS2015-54

On the impact and benefits of AMDAR Water Vapor Observations to forecasts of hazardous weather events
Petersen, Ralph; Crounce, Lee; Mamrash, Richard; Baker, Randy; Hoover, Brett

P18: ECSS2015-55

An automated system for detection and short-range forecast of convective clouds with the use of Meteosat multispectral imagery
Kolios, Stavros

P19: ECSS2015-58

Trends and variability of joint distribution extreme climate indices over Thessaly plain, Greece
Nastos, Panagiotis T.; Matsangouras, Ioannis T.; Lazogiannis, Kostas; Poulos, Serafim

P20: ECSS2015-59

Numerical investigation of severe convective weather using COSMO.GR model: A case study of tornado over western Greece on February 7, 2013
Matsangouras, Ioannis; Avgoustoglou, Euripides; Nastos, Panagiotis T.; Pytharoulis, Ioannis; Tzeferi, Theodora; Gofa, Flora; Bluestein, Howard B.

P21: ECSS2015-61

3DVAR analysis for the 13 June 2014 Hailstorm Event around the Tokyo Metropolitan Area using Radial Velocity from Doppler Radar and Lidar
Shimose, Ken-ichi; Shimizu, Shingo; Suzuki, Shin-ichi; Shusse, Yukari; Maesaka, Takeshi; Kieda, Kaori; Iwanami, Koyuru

P22: ECSS2015-64

Interactions between Oscillating Pacific-Japan Patterns and Summertime Wave Patterns associated with Tropical-cyclone Tracks over the Western North Pacific
Ko, Ken-Chung; Liu, Jyun-Hong

P23: ECSS2015-67

An extended perspective for Deep Moist Convective Initiation in the Alpine Region?
Krennert, Thomas; **Kainz, Astrid**; Serafin, Stefano

P24: ECSS2015-69

Storms with very heavy showers and hail in Basque Country: 23 June 2014 case.
Gaztelumendi, Santiago; Egaña, Joseba; Martija, Maialen; Palacio, Virginia

P25: ECSS2015-70

Heavy convective precipitation forecast using COSMO-CZ-EPS
Zacharov, Petr; **Řezáčová, Daniela**

P26: ECSS2015-75

Thunderstorm and precipitation nowcasting system for Pulkovo airport
Bazlova, Tatiana; Bocharnikov, Nikolay; Iakimainen, Nadezhda; Solonin, Alexander; Zamorin, Igor

P27: ECSS2015-76

The evaluation of the operative QPF of convective rainfalls over the Czech territory
Řezáčová, Daniela; Zacharov, Petr; Brozkova, Radmila

P28: ECSS2015-83

Sensitivity of idealized supercell simulations to horizontal grid spacing: Implications for Warn-on-Forecast
Potvin, Corey; Flora, Montgomery

P29: ECSS2015-89

Modelling of flash flood on small catchment
Pesice, Petr; Sokol, Zbynek

P30: ECSS2015-90

Sounding-derived parameters associated to tornadic storms in Catalonia
Rodriguez, Oriol; **Bech, Joan**

P31: ECSS2015-94

Environments supporting warm season nocturnal convection initiation during the Plains Elevated Convection at Night experiment
Marquis, James; Wurman, Josh; Kosiba, Karen

P32: ECSS2015-97

Evolution of atmospheric humidity flux from the SIRGAS-CON Network during five consecutive severe storms near to the Andes Range
Calori, Andrea; Brunini, Claudio; Santos, Jorge Ruben; Hierro, Rodrigo; Blanco, Magalí; Llamedo, Plablo; Pessano, Horacio; Alexander, Pedro; **de la Torre, Alejandro**

P33: ECSS2015-100

Detection and Understanding of the role of Split Cold Fronts in the Generation of Severe Convective Storms
Koch, Steven

P34: ECSS2015-102

Large-Scale Conditioning for Enhanced Severe Convective Storm Risk
Hamilton, David; Bachiochi, David

P35: ECSS2015-104

Refined tornado climatology of France
Wesolek, Emmanuel; Mahieu, Pierre

P36: ECSS2015-115

An analysis of the Northern Hemisphere severe convective environment in the ERA-Interim re-analysis and CMIP5 models
Russell, Andrew

P37: ECSS2015-119

Basic Development of Urban Meteorological Model Based on Large-Eddy Simulation for Investigation on Convection Genesis
Yamaguchi, Kosei; **Takami, Kazuya**; Nakakita, Eiichi

P38: ECSS2015-120

Mature convection distribution over Europe based on 6-years Meteosat observations of anvils and overshooting tops.

Kaňák, Ján

P39: ECSS2015-123

ManUniCast: A Real-Time Weather and Air-Quality Forecasting Portal and App for Teaching

Schultz, David; Anderson, Stuart; Fairman, Jonathan; Lowe, Douglas; McFiggans, Gordon; Lee, Elsa; Seo-Zindy, Ryo

P40: ECSS2015-132

Comparison of ERA-interim reanalysis-derived proxy soundings with Collocated Radiosonde Observations

Tilev-Tanriover, Şeyda; Antonescu, Bogdan

P41: ECSS2015-136

Comparison of sounding observations and reanalyses of thunderstorm environments

Westermayer, Anja; Pucik, Tomas; Groenemeijer, Pieter; Tijssen, Lars

P42: ECSS2015-137

Impacts of KITCube extra observations on the prediction of the HyMeX IOP13 severe weather event

Homar Santaner, Víctor; **Carrió Carrió, Diego**; Corsmeier, Ulrich

P43: ECSS2015-134

Proximity soundings of severe and non-severe thunderstorms in Central Europe

Pucik, Tomas; Groenemeijer, Pieter; Ryva, David; Kolar, Miroslav

P44: ECSS2015-141

The long series of storm days in Northern and Central Europe and their dependence on the synoptic conditions

Grabowska, Katarzyna; Popławska, Joanna; Grabowski, Tomasz

P45: ECSS2015-144

The Tornado Climatology of Australia 1795-2014

Allen, John; Allen, Edwina

P46: ECSS2015-161

The ESSL Testbed: Forecaster training and evaluation of forecast and nowcast tools

Groenemeijer, Pieter; Holzer, Alois M.; Pucik, Tomas; Taszarek, Mateusz

P47: ECSS2015-169

Characteristics of overshooting tops as seen by Meteosat - selected cases in 2014 over Slovenia

Irsic Zibert, Mateja; Zibert, Janez

P48: ECSS2015-177

A climatology of cloud-to-ground lightning for the period 2002-2013 in Poland based on PERUN lightning detection network

Taszarek, Mateusz; Czernecki, Bartosz; Koziół, Aneta

P49: ECSS2015-178

Heavy rainfall in Kochi accompanied by two typhoons

Sassa, Koji; **Yoshimura, Kotaro**

P50: ECSS2015-182

Tornado Climatology of Poland

Taszarek, Mateusz; Brooks, Harold

P51: ECSS2015-186

Spatial Verification Methods for Ensemble Forecasts of Low-Level Rotation in Supercells

Skinner, Patrick; Wicker, Louis; Wheatley, Dustan; Knopfmeier, Kent

P52: ECSS2015-191

The origin of central European prefrontal summer-time convergence lines

Fischer, Jannick; Dahl, Johannes

P53: ECSS2015-192

Dual-Polarization Hail Signatures above the Melting Layer in Thunderstorms

Hunzinger, Alexis; Ortega, Kiel L.; Snyder, Jeffrey C.

END OF POSTER PROGRAMME

Wednesday, 16 September 2015

Location: Ballroom

09:00–12:30

FORE: National efforts at forecasting, warning and research

Chairperson: D. Schultz

09:00–09:45

The Future of Tornado Forecasting and the Role of the NWS Storm Prediction Center

Carbin, Greg

09:45–10:10: ECSS2015-101

Recent Developments and Future Plans for Fundamental Research at the NOAA National Severe Storms Laboratory

Koch, Steven

10:10–10:25: ECSS2015-187

Exceptional Rainfall over Nottinghamshire, 23 July 2013 - An Operational Meteorologist's Perspective

Suri, Dan

10:25–10:40: ECSS2015-127

Assessment of Severe Weather Warning Systems in Europe

Holzer, Alois M.; Groenemeijer, Pieter; Púčik, Tomáš; Nissen, Katrin; Becker, Nico; Ulbrich, Uwe; Vajda, Andrea; Gregow, Hilppa; Juga, Ilkka; van Gelder, Pieter H. A. J. M.; Morales-Napoles, Oswald; Paprotny, Dominik**10:40 Coffee break**

11:30–11:45: ECSS2015-7

Review of the meteorological extremes in 2014 and 2015 in Croatia

Renko, Tanja

11:45–12:00: ECSS2015-164

Seamless probabilistic forecast on severe storms

Wang, Yong

12:00–12:15: ECSS2015-114

A severe bow echo in Western Germany on June 9, 2014: Forecasting and warning of a high impact weather event with the help of different tools and methods

Beyer, Marcus; Tuschy, Helge

12:15–12:30: ECSS2015-160

Ingredients for Effective Severe Weather Satellite Training

Kerkmann, Jochen; Nietosvaara, Vesa**END OF ORAL PROGRAMME FORE**

12:30–14:00

SE4: Panel Discussion:**What is missing in severe storms forecasting in Europe?****Social Events**

15:00–17:00

SOE3: Classical guided walking tour of Wiener Neustadt

Meeting point at 15:00: Main square (Hauptplatz) at the entrance of Hotel Zentral

15:00–17:00

SOE4: "Tornado of 1916" guided walking tour

Meeting point at 15:00: Main square (Hauptplatz) at the bus station (near Hotel Zentral)

14:30–18:30

SOE5: Train ride to the old Hungarian town of Sopron

Meeting point at 14:30: Main train station, platform 21

14:30–18:30

SOE6: Swim and relax in the Asia Therme Linsberg spa

Meeting point at 14:30: Shuttle bus stop Grazer Strasse 97

19:00–23:00

SOE7: Conference dinner

Venue: Sparkassensaal (ECSS venue)

Thursday, 17 September 2015

Location: Ballroom

09:00–12:45

STORM: Storms, supercells and tornadoes

Chairperson: B. Antonescu

09:00–09:45

Confronting the effects of surface drag on severe storms using numerical simulations
Bryan, George

09:45–10:00: ECSS2015-95

How does surface drag affect the development of near-surface vertical vorticity in supercell thunderstorms?
Markowski, Paul; Richardson, Yvette

10:00–10:15: ECSS2015-22

Origin of Vertical Vorticity in Mesocyclones along a Tornadoic Narrow Cold Frontal Rainband in the United Kingdom
Mulder, Kelsey; Schultz, David

10:15–10:30: ECSS2015-99

Upscale feedbacks associated with supercellular thunderstorms sampled during MPEX
Trapp, Robert; Woznicki, Joseph

10:30–10:45: ECSS2015-111

Barotropic and baroclinic contributions to the mid-level mesocyclone
Dahl, Johannes

Discussion

10:45 Coffee break

11:30–11:45: ECSS2015-163

Microphysical Pathways to Heavy Convective Rainfall
Lasher-Trapp, Sonia; Blyth, Alan; French, Jeff; Leon, David

11:45–12:00: ECSS2015-103

High-frequency Mobile Radar Measurements of Tornado Boundary Layer Flow
Weiss, Christopher; Cermak, Timothy; Reinhart, Anthony; Skinner, Patrick

12:00–12:15: ECSS2015-176

The sensitivity of convection initiation to the wind shear, lapse rate, and relative humidity in the active cloud-bearing layer
Houston, Adam

12:15–12:30: ECSS2015-96

Topography and vertical velocity of air in relation to severe storms near the Southern Andes Mountains
de la Torre, Alejandro; Pessano, Horacio; Hierro, Rodrigo; Santos, Jorge Ruben; Llamedo, Pablo; Alexander, Pedro

12:30–12:45: ECSS2015-190

Formation of intense atmospheric vortices: evidence from idealized numerical simulation
Odell, Luke; Tripoli, Gregory; Trevorrow, Scott; Buker, Marcus

Discussion

END OF ORAL PROGRAMME STORM

12:45 Lunch break

Location: Sidemeeting room

14:30–18:00

SE5: CWG Splinter Meeting (by invitation only)

Location: Ballroom

16:30–18:00

LI: Lightning

Chairperson: S. Lasher-Trapp

16:30–16:45: ECSS2015-48

Surprising sensitivity of lightning and related storm processes to environment on 4 June 2012 in West Texas
Sullivan, Vanna; Bruning, Eric; Ancell, Brian; Reinhart, Anthony

16:45–17:00: ECSS2015-188

Statistical study of lightning flash properties and thunderstorm charge structures inferred from the Lightning Mapping Array
van der Velde, Oscar; Montanya, Joan; Pineda, Nicolau

17:00–17:15: ECSS2015-28

Lightning in NE Italy and their weekly cycle
Manzato, Agostino (Tino); Cicogna, Andrea; Pucillo, Arturo

17:15–17:30: ECSS2015-147

Study of Lightning Flashes Based on Distinct Observation Data Sets Recorded During the HyMeX SOP1
Vergeiner, Christian; Defer, Eric; Schulz, Wolfgang; Pack, Stephan; Rison, William

17:30–17:45: ECSS2015-88

Characteristics of Thunderstorm Activity and Parameters of Lightning in the South of Russia
Adzhiev, Anatoly; Boldyreff, Anton; Kuliev, Dalhat; Kondratyeva, Natalia; Chochayev, Khizir

17:45–18:00: ECSS2015-142

Relationship between SYNOP observations and PERUN lightning detection network in Poland for the period 2002-2013
Taszarek, Mateusz; Czernecki, Bartosz; Konarski, Jerzy; Kolendowicz, Leszek

Discussion

END OF ORAL PROGRAMME LI

18:30–19:30

SE6: ECSS Video Session

Location: Ballroom

Poster Session 2

Attendance Time: 14:30–16:00

P1: ECSS2015-6

Comparative hailpad analysis between Croatia and Greece

Počakal, Damir; Foris, Dimitrios

P2: ECSS2015-8

Analysis of lightning activity over Central Europe for the period 2008-2014

Mikus Jurkovic, Petra; Strelec Mahovic, Natasa

P3: ECSS2015-16

Severe Thundershowers Over the Central Part of Latvia on 29 July 2014

Avotniece, Zanita; Smite, Santa

P4: ECSS2015-18

An EF3 multi-vortex tornado over southern Italy: a retrospective analysis by means of observations, pictures and videos

Miglietta, Mario Marcello; Rotunno, Richard

P5: ECSS2015-20

Extended radar-based hail detection testing over the Czech territory

Skripniková, Kateřina; Kyznarová, Hana; Novák, Petr

P6: ECSS2015-26

Case study of severe convective storms over western Bulgaria: flash floods and extreme hail on 08 July 2014

Bocheva, Liliya; Dimitrova, Tsvetelina; Atanasov, Atanas; Penchev, Rosen; Gospodinov, Ilian; Simeonov, Petio; Petkov, Stanimir

P7: ECSS2015-27

Possible occurrence of tornado near Teplice in northern Bohemia in May 2011

Tomšů, Radek

P8: ECSS2015-29

Three Body Scatter Spike (TBSS) observed in Bulgaria – analysis of reflectivity and radial velocity signature (withdrawn)

Dimitrova, Tsvetelina; DImitrov, Rumen

P9: ECSS2015-32

Is there a difference in the environmental conditions at the development of severe and non-severe hailstorms over Bulgaria?

Markova, Boryana; Mitzeva, Rumjana; Dimitrova, Tsvetelina; Atanasov, Atanas

P10: ECSS2015-39

Use of GNSS water vapour for severe weather studies in Bulgaria: hail and heavy rain in 2012

Guerova, Guergana; Slavchev, Martin; **Mitzeva, Rumjana**; Dimitrova, Tsvetelina; Simeonov, Tzvetan

P11: ECSS2015-43

Development and verification of a lightning nowcast in the nowcasting system INCA-BE

Reyniers, Maarten

P12: ECSS2015-47

Relation of radar and hail parameters in the continental part of Croatia

Počakal, Damir

P13: ECSS2015-57

Close-range observations of tornado activities made with a dual-polarization, X-Band, mobile Doppler radar in urban area of Athens, Greece

Matsangouras, Ioannis; Kalogiros, Ioannis; Nastos, Panagiotis T.; Anagnostou, Marios N.; Pytharoulis, Ioannis; Bluestein, Howard B.

P14: ECSS2015-60

Tornado numerical analysis: A case study of EF3 and EF4 tornadoes over Arkansas on April 27, 2014

Matsangouras, Ioannis; Nastos, Panagiotis T.; Pytharoulis, Ioannis; Bluestein, Howard B.

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Characteristics of time series data of wind velocity observed by anemometers when the gust occurred

Tanimoto, Saki; Araki, Keiji; Fukuhara, Takaaki

P16: ECSS2015-66

A long-lived supercell in Alpine environment

Scheffknecht, Phillip; **Serafin, Stefano**; Grubić, Vanda

P17: ECSS2015-68

Storm with anomalous movement in Bilbao area: 28 August 2013 case.

Egaña, Joseba; **Gatzelumendi, Santiago**; Palacio, Virginia; Martija, Maialen

P18: ECSS2015-71

A tornado in Basque Country?: the 23 June 2014 case.

Gatzelumendi, Santiago; Egaña, Joseba; Etxezarreta, Arkaitz; Maruri, Mercedes; Martija, Maialen; Aranda, José Antonio; Anitua, Pedro

P19: ECSS2015-72

Radar Signatures of hail during 2013 Convective Severe Storms in the Basque Country.

Maruri, Mercedes; Martija, Maialen; Egaña, Joseba; Etxezarreta, Arkaitz; **Gatzelumendi, Santiago**; Aranda, José Antonio; Anitua, Pedro

P20: ECSS2015-79

Plains Elevated Convection at Night (PECAN): Preliminary Analyses of Severe Surface Wind Production during the Transition from Daytime-to-Nocturnal Convection

Wurman, Josh; Kosiba, Karen

P21: ECSS2015-85

Exploring the sensitivity of supercell forecasts to initial condition resolution

Potvin, Corey; Murillo, Elisa M.

P22: ECSS2015-86

A violent tornado in mid-18th century Germany: the Genzmer Report

Feuerstein, Bernold; Kühne, Thilo

P23: ECSS2015-87

Analysis of the 30 May 2014 tornadic storm in Vilabella, Catalonia

Bech, Joan; Castán, Salvador; Arús, Joan; Pascual, Ramon; Cuevas, Gabriela; Rigo, Tomeu; Pineda, Nicolau; Montanyà, Joan; van der Velde, Oscar

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The Influence of Weather on the Atmospheric Electric Field Variations

Adzhiev, Anatoly; Boldyreff, Anton; Daurova, Zaira; Kuzmin, Vladimir; Kupovykh, Gennady

P25: ECSS2015-93

Investigating the potential of using X-band polarimetric parameters to detect cloud-to-ground lightning in the warm season in Kanto region, Japan

Sakurai, Namiko; Shimizu, Shingo; Shusse, Yukari; Iwanami, Koyuru; Suzuki, Shin-ichi; Maesaka, Takeshi; Kieda, Kaori

P26: ECSS2015-98

The impact of global warming on extreme precipitation of two metropolitan regions in Southeastern Brazil

Cavalcanti, Iracema; Nunes, Luci

P27: ECSS2015-107

Radar based Analysis of convective storms: Detecting mesocyclonic rotation and depicting paths of severe cells

Hengstebeck, Thomas; Heizenreder, Dirk

P28: ECSS2015-110

The LEWP event of Januari 03 th 2012 in the Netherlands

R.M. Groenland, Robertus; Boonstra, Rutger; Rondinel, Ricardo

P29: ECSS2015-112

Analysis of seemingly unphysical vertical vorticity evolution along simulated outflow trajectories

Vande Guchte, Andrew; **Dahl, Johannes**

P30: ECSS2015-113

Initial observations from the Kinematic Texture and Lightning (KTaL) Experiment

Bruning, Eric; **Sullivan, Vanna**; Salinas, Vicente; Berkseth, Samantha; Ware, Philip; Weiss, Stephanie

P31: ECSS2015-35

A severe bow echo in Western Germany on June 9, 2014: Aspects in forecasting and the use of latent heat nudging to optimize regional models

Tuschy, Helge; Beyer, Marcus

P32: ECSS2015-117

Composite Analysis on Structure of Tornado-spawning Tropical Cyclones Using CAPE Including the Effects of Entrainment

Sueki, Kenta; Niino, Hiroshi

P33: ECSS2015-124

The Tornado-Arbeitsgruppe Deutschland (TAD) - Introducing a work group in the field of tornadoes in Germany

Kollmohr, Andreas; Kühne, Thilo; Dirksen, Erik; Hubrig, Martin

P34: ECSS2015-125

Magnitude assessments of historical severe weather events in Lower Austria (1713-1754)

Pfeifer, Katrin; **Holzer, Alois M.**

P35: ECSS2015-126

Sounding-derived characteristics associated with some supercell storms over the Gauteng Province of South Africa

Rae, Kevin; Dyson, Liesl

P36: ECSS2015-131

Ealy theories on tornado formation in Europe

Antonescu, Bogdan

P37: ECSS2015-133

Radar study of a convective storm with splitting cells in a mountainous region above Central Germany

Böhme, Tim

P38: ECSS2015-145

Tornado occurrence in Greece: Influencing variables and spatio-temporal variations

Sioutas, Michalis; Dafis, Stavros; Papavasileiou, George; Doe, Robert

P39: ECSS2015-146

EF - Scale enlargement for wooden plants

Hubrig, Martin

P40: ECSS2015-150

Characteristics of the supercell causing Saitama tornado on 2 September 2013

Sassa, Koji; Furuta, Yasuko; Miyajima, Akiko

P41: ECSS2015-151

Hail formation in pre-frontal environments: A long-term study over Switzerland

Schemm, Sebastian; Nisi, Luca; **Martynov, Andrey**; Martius, Olivia

P42: ECSS2015-152

Size and intensity of vortex structures in a simulated idealized supercell as seen from the kinematic vorticity number

Schielicke, Lisa; Nevir, Peter; Ulbrich, Uwe

P43: ECSS2015-155

Ten-year lightning patterns in Catalonia using Principal Component Analysis

Aran, Montse; Peña, Juan Carlos; Pineda, Nicolau; Soler, Xavier; Pérez-Zanón, Nuria

P44: ECSS2015-157

Hail frequency in Europe based on overshooting cloud top detections filtered for hail-specific atmospheric conditions

Punge, Heinz Jürgen; Kunz, Michael; Bedka, Kristopher M

P45: ECSS2015-158

Hail probability in Central Europe related to orographic characteristics

Kunz, Michael; Schmidberger, Manuel; Fluck, Elody; Köbele, Daniel

P46: ECSS2015-159

The enhancement of vertical wind shear by tall mountains in convective storm environments

Kahraman, Abdullah; Markowski, Paul M.

P47: ECSS2015-162

Severe Convection in the Alpine region: a radar based hail climatology.

Nisi, Luca; Martius, Olivia; Hering, Alessandro; Germann, Urs

P48: ECSS2015-172

Radar analysis of two tornadoes occurred in the outer rainband of Typhoon 'Neoguri'

Yuasa, Soichiro; Sassa, Koji

P49: ECSS2015-173

First results of lightning and radar observations in Minas Gerais, Brazil

Held, Gerhard; Gomes, Ana Maria; Jusevicius, Marco; Beneti, Cesar A.; Paiva Neto, Arthur Chaves

P50: ECSS2015-175

Relating Thunderstorm Occurrence to Flow Types in the Eastern Alpine Region

Krennert, Thomas; Kainz, Astrid

P51: ECSS2015-179

Extratropical severe storms and UTLS Potential energy surges

Tripoli, Gregory J.

P52: ECSS2015-183

The application of UAS towards tornado research and forecasting

Houston, Adam; Limpert, George

P53: ECSS2015-184

Analysis of an outbreak of extremely severe weather followed by tornado in Serbia

Rabrenovic, Maja

P54: ECSS2015-189

Historical Damage Photograph Details of the Wiener Neustadt Tornado of 1916

Schreiner, Thomas M. E.; Stampfl, Mathias; Holzer, Alois M.

END OF POSTER PROGRAMME

Friday, 18 September 2015

Location: Ballroom

09:00–10:35**RAD: Radar**

Chairperson: K. Wapler

09:00–09:20: ECSS2015-78

Plains Elevated Convection At Night (PECAN): Preliminary Analyses of Severe Surface Wind Production in a Nocturnal MCS

Kosiba, Karen; Wurman, Josh**09:20–09:35: ECSS2015-180**

Wind, pressure and temperature fields near tornadic and non-tornadic narrow cold-frontal rain bands

Clark, Matthew; Parker, Douglas**09:35–09:50: ECSS2015-23**

Signatures of Convective Wind Gusts from the Operational Radar Network in Switzerland

Trefalt, Simona; Martius, Olivia; Hering, Alessandro; Germann, Urs**09:50–10:05: ECSS2015-81**

Advection correction of radar-based probability of hail in Belgium

Lukach, Maryna; Foresti, Loris; Delobbe, Laurent**10:05–10:20: ECSS2015-174**

Characteristics of storm cells observed by the first polarimetric C-band radar in Minas Gerais

Gomes, Ana Maria; Lima, Maria Andrea; Held, Gerhard; Beneti, Cesar A.; Calvetti, Leonardo; Paiva Neto, Arthur Chaves**10:20–10:35: ECSS2015-122**

Integrated Polarimetric Radar and Kinematic Analyses of the 19 May 2013 Norman-Shawnee, Oklahoma Tornadic Supercell

French, Michael; Burgess, Donald; Potvin, Corey; Wicker, Louis

Discussion

END OF ORAL PROGRAMME RAD**10:35 Coffee break****11:30–13:00****IMP: Impacts**

Chairperson: N. Strelec Mahovic

11:30–11:45: ECSS2015-19

Hail losses under the microscope - Comparing losses from three major hail events of the recent past

Viktor, Elisabeth; Reese, Stefan; Zimmerli, Peter**11:45–12:00: ECSS2015-170**

Impact-based evaluation of European severe weather reports

Kühne, Thilo; Groenemeijer, Pieter**12:00–12:15: ECSS2015-108**

Financial losses of tornadoes in European countries

Grieser, Jürgen; Terenzi, Francesca**12:15–12:30: ECSS2015-36**

The impact of severe convection on air traffic and forecast products for air traffic control

Winkler, Roland; Steinheimer, Martin; Kaltenböck, Rudolf**12:30–12:45: ECSS2015-37**

Severe weather and psychology – Analysis of international survey data

Keul, Alexander; Brunner, Bernhard; Korff, Melanie; Sharma, Sanjay; Roy, Partha; Allen, John; Bowden, Katie A.; Aini, Mat Said; Elistina, Abu Bakar; Ab Kadir, Mohd Zainal Abidin; Gomes, Chandima; Taszarek, Mateusz**12:45–13:00: ECSS2015-116**

Weather myths about convective storms: an objective assessment of their validity and their psychological basis

Göber, Martin; Karb, Anastasia; Wapler, Kathrin; Fleischhut, Nadine**END OF ORAL PROGRAMME IMP****13:00–14:00****SE7: Closing and Awards Session**

**Information as of 9 September 2015.
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