

Nel seguente elenco sono inserite tutte le pubblicazioni a carattere scientifico (articoli pubblicati su riviste scientifiche con peer review) a partire dal 1988-89, anno in cui ha iniziato ad operare in Friuli Venezia Giulia, sotto l'egida di ERSA, un gruppo di tecnici nel settore della meteorologia operativa. L'originario gruppo di lavoro ha proseguito le attività in strutture che hanno assunto nomi diversi, fino a diventare OSMER e GRN, Struttura Operativa Complessa all'interno di ARPA FVG.

## 1988

- Un modello diagnostico alla mesoscala per regioni montuose. Micheletti, S., Clerici, G., Giuliacchi, M. - Rivista di Meteorologia Aeronautica, 1988, 48, 3-4, 149-159

## 1990

- Short analysis of rainfall trends in Friuli-Venezia Giulia from 1951 to 1986. Carniel, R., Ceschia, M., Micheletti, S. - Il Nuovo Cimento C, 1990, vol. 13, 5, 885-888

## 1991

- A preliminary study of the wind in Friuli: an indicator of a sea-plain-mountain breeze. Ceschia, M., Micheletti, S., Carniel, R. - Wetter Leben, 1991, 43, 99-113
- Rainfall over Friuli Venezia Giulia: high amounts and strong geographical gradients. Ceschia, M., Micheletti, S., Carniel, R. - Theor. Appl. Climatol., 1991, 43, 175-180

## 1992

- Analisi automatica di dati radar volumetrici relativi ai temporali estivi forti. Morgan, G., Dixon, M.J. - Alta frequenza - Rivista di elettronica, 1992, IV, 6, 483-490
- Some results of aircraft investigation of internal properties of thunderstorm cloud system in northeastern Italy with an interpretation for hail prevention. Morgan, G. - Atmos. Res., 1992, 28, 259-269
- ThetaPlot, an equivalent potential temperature diagram. Morgan, G. - Meteorol. Atmos. Phys., 1992, 47, 259-265
- Una prima analisi del vento superficiale in Friuli. Ceschia, M., Micheletti, S., Carniel, R., Lavenia, A. - Scienza e Cultura, 1992, 6, 67-106

## 1994

- Field water balance: BIIdriCo 2. Danuso, F., Gani, M., Giovanardi, R. - In "Crop-Water-Models in Practise", Pereira L.S., Van den Broek, Kabat and Allen (eds), Wageningen Pers., 1994, 49-73
- Trend analysis of mean monthly maximum and minimum surface temperatures of the 1951-1990 period in Friuli-Venezia Giulia. Ceschia, M., Linussio, A., Micheletti, S. - Il Nuovo Cimento C, 1994, vol. 17, 4, 511-521

## 2000

- Diurnal course of rainfall in the plain of Friuli Venezia Giulia: evaluation of hourly measurements. Cicogna, A., Nordico, S., Micheletti, S. - Theor. App. Climatol., 2000, 65, 175-180

## 2001

- A comparision between subjective and objective thunderstorm forecast. Giaiotti, D., Stel, F. - Atmos. Res., 2001, 56, 111-126
- Heuristic considerations pertaining to hailstone size distributions in the plain of Friuli-Venezia Giulia. Giaiotti, D., Giancesini, E., Stel, F. - Atmos. Res., 2001, 57, 269-288
- The June 4th 1999 severe weather episode in San Quirino, Italy: a tornado event?. R. Bechini, Giaiotti, D., Manzato, A., Stel, F., Micheletti, S. - Atmos. Res., 2001, 56, 213-232

## 2002

- The operational weather radar of Fossalon di Grado (Gorizia, Italy): accuracy of reflectivity and differential reflectivity measurements. Bechini, R., Gorgucci, E., Scarchilli, G., Dietrich, S. - Meteorol. Atmos. Phys., 2002, 79, 275-284

## 2003

- A climatology of instability indices derived from Friuli Venezia Giulia soundings, using three different methods. Manzato, A. - Atmos. Res., 2003, 67-68, 417-454
- An interesting case of tornado in Friuli-Northeastern Italy. Bertato, M., Gaiotti, D., Manzato, A., Stel, F. - Atmos. Res., 2003, 67-68, 3-21
- Evaluating the sounding instability with the Lifted Parcel Theory. Manzato, A., Morgan Jr., G. M. - Atmos. Res., 2003, 67-68, 455-473
- Preliminary studies on the occurrence of local severe weather events in Friuli Venezia Giulia. Nordio, S., Stefanuto, L., Stel, F. - Atmos. Res., 2003, 67-68, 517-522
- The climatology of hail in the plain of Friuli Venezia Giulia. Gaiotti, D., Nordio, S., Stel, F. - Atmos. Res., 2003, 67-68, 247-259

## 2005

- An odds ratio parameterization for ROC diagram and skill score indices. Manzato, A. - Weather and Forecasting, 2005, 20 , 6, 918-930
- Estimate of leaf wetness with radar data for the application of territorial epidemiological models; Leaf wetness duration: analysis of the agrometeorological requirements and evaluation of new estimation methods. Cicogna, A., Dietrich, S., Gani, M., Giovanardi, R., Sandra, M. - COST ACTIONS 718 Meteorological Applications for Agriculture, 2005, 34-40
- The use of sounding derived indices for a neural network short-term thunderstorm forecast. Manzato, A. - Weather and Forecasting, 2005, 20, 6, 896-917
- Use of meteorological radar to estimate leaf wetness as data input for application of territorial epidemiological model (downy mildew – Plasmopara viticula). Cicogna, A., Dietrich, S., Gani, M., Giovanardi, R., Sandra, M. - Physics and chemistry of the earth, 2005, 30, 1-3, 201-208

## 2006

- A multiscale observational case study of an isolated tornadic supercell. Gaiotti, D.B., Stel, F. - Atmos. Res., 2006, 83, 152-161
- The effect of environmental water vapor on hailstone size distributions. Gaiotti, D.B., Stel, F. - Atmos. Res., 2006, 82, 455-462

## 2007

- A Note on the Maximum Peirce Skill Score. Manzato, A. - Weather and Forecasting, 2007, 22, 5, 1148-1154
- Sounding-Derived Indices for Neural Network Based Short-Term Thunderstorm and Rainfall Forecasts. Manzato, A. - Atmos. Res. (ECSS 2004 special issue), 2007, 83, 349-365
- The 6 Hours Climatology of Thunderstorms and Rainfalls in the Friuli Venezia Giulia Plain. Manzato, A. - Atmos. Res. (ECSS 2004 special issue), 2007, 83, 336-348
- The climatology of tornadoes and waterspouts in Italy. Gaiotti, D.B., Giovannoni, M., Pucillo, A.. Stel, F. - Atmos. Res., 2007, 83, 534-541 doi:10.1016/j.atmosres.2005.10.020

## 2008

- A Verification of Numerical Forecasts for Sounding-Derived Indices above Udine, Northeast Italy. Manzato, A. - Weather and Forecasting, 2008, 23, 3, 477-495

## 2009

- Ground wind convergence as source of deep convection initiation. Pucillo, A., Giaiotti, D.B., Stel, F. - *Atmos. Res.*, 2009, 93, 437-445 doi:10.1016/j.atmosres.2008.09.032

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- Hail in NE Italy: Climatology and bivariate analysis with the sounding-derived indices. Manzato, A. - *Journal of Applied Meteorology and Climatology*, 2012, 51, 449-467

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- A Cloud-to-Ground Lightning Climatology for North-Eastern Italy. Feudale, L., Manzato, A., Micheletti, S. - *Advances in Science and Research*, 2013, 10, 77-84
- Hail in NE Italy: A neural network ensemble forecast using sounding-derived indices. Manzato, A. - *Weather and Forecasting*, 2013, 28, 3–28
- Usefulness and skill of station-derived predictors in the forecasting storm occurrence and intensity. Pucillo, A., Manzato, A. - *Atmos. Res.*, 2013, 123, 31-47 doi:10.1016/j.atmosres.2012.10.016

## 2014

- The climate of daily precipitation in the Alps: development and analysis of a high-resolution grid dataset from pan-Alpine rain-gauge data. Isotta, F.A., Frei, C., Weilguni, V., Perćec Tadić, M., Lassègues, P., Rudolf, B., Pavan, V., Cacciamani, C., Antolini, G., Ratto, S.M., Munari, M., Micheletti, S., Bonati, V., Lussana, C., Ronchi, C., Panettieri, E., Marigo, G., Vertačnik, G. - *International Journal of Climatology*, DOI: 10.1002/joc.3794, 2014, 34, 5, 1657–1675
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- Behaviour of verification measures for deterministic binary forecasts with respect to random changes and thresholding, Manzato, A., and Ian T. Jolliffe, 2017: Quarterly Journal of RMS, 143 (705), 1903-1915, doi:10.1002/qj.3050.
- Evaluation of thunderstorm predictors for Finland using reanalyses and neural networks, Ukkonen, P., A. Manzato, and A. Mäkelä, 2017: Journal of Applied Meteorology and Climatology

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