

# CURRICULUM VITAE

FORMATO EUROPEO/EUROPEAN FORMAT

## INFORMAZIONI PERSONALI/ PERSONAL INFORMATION

Nome, Cognome/Name, Surname	Andrea, Buzzi
Indirizzo/Address	Home: Via del Genio 7/5, 40135, Bologna, Italia.
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Sito web/Website	www.isac.cnr.it
Nazionalità/Nationality	Italiana
Luogo e data di nascita/ Place and Date of birth	Mantova, 27 Apr. 1949

## ESPERIENZA PROFESSIONALE /WORK EXPERIENCE

Se dipendente CNR indicare:	N. MATRICOLA 2043 QUALIFICA DIRIGENTE DI RICERCA LIVELLO 1
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In ordine di data /Dates (from – to)	
[Iniziare con le più recenti ed elencare separatamente ciascun incarico ricoperto/ Add separate entries for each relevant post occupied, starting with the most recent. ]	<ul style="list-style-type: none"><li>• Present position: Senior Research Scientist at CNR-ISAC (1997-2011).</li><li>• Responsible for the Dynamic Meteorology division of CNR-ISAC (2002-2009).</li><li>• Contract professor of Dynamic Meteorology at different universities, presently at the University of Bologna (2005-2011).</li><li>• Research Scientist at CNR-ISAC (1978-1997)</li><li>• Research assistant, University of Bologna (1975-1978)</li><li>• Visiting Scientist at Imperial College, London, UK (1974-1975).</li></ul>

Nome e indirizzo del datore di lavoro / Name and address of employer	Consiglio Nazionale delle Ricerche, Via A. Moro 7, 00185 Roma, Italia.
Tipo o settore di attività / Type of business or sector	Meteorology, Dynamic Meteorology, Atmospheric Physics, Meteorological Modelling
Funzione o posto occupato / Occupation or position held	Senior Scientist
Principali mansioni e responsabilità / Main activities and responsibilities	Research director, researcher, university contract professor

**ISTRUZIONE E FORMAZIONE /  
EDUCATION AND TRAINING**

In ordine di data /Dates (from – to)

[Iniziare con le più recenti ed elencare separatamente ciascun corso frequentato con successo/ Add separate entries for each relevant course you have completed, starting with the most recent. ]

- Visiting Scientist at different universities abroad (including 2 years at Imperial College, London).
- More than 38-year research experience in synoptic and dynamic meteorology, meteorological numerical modelling, analysis and assimilation of meteorological data.
- Principal investigator in many nationally and internationally-based research contracts on the research themes listed above, including Environment and Climate EU projects.
- Participating in national and international research projects in dynamic and synoptic meteorology, geophysical fluid dynamics, climatology, including ALPEX (ICSU-WMO), MAP, MEDEX and MAP-DPHASE (WWRP-WMO).
- Associate Editor of the Quarterly Journal of the Royal Met. Soc. (2002-2007).
- Member of several international scientific committees and of many scientific organizing committees of scientific meetings and schools in Meteorology.
- Author/co-author of more than 220 publications, 78 of them in international scientific journals.

Nome e tipo d'istituto di istruzione o formazione / Name and type of organisation providing education and training

University of Bologna, Faculty of Sciences, Institute of Physics.

Principali materie e competenze professionali apprese / Principal subjects occupational skills covered  
Certificato o diploma ottenuto /Title of qualification awarded

Physics, Atmospheric Physics, Meteorology.

Laurea in Fisica.

**ATTIVITA' DI RICERCA /  
RESEARCH ACTIVITIES**

Attuali campi di ricerca / Research sectors

Meteorology, dynamic meteorology, numerical modelling, weather prediction, data assimilation.

Recenti attività scientifiche/ Recent Scientific Activities.

**Principal investigator in several scientific projects.**

Malguzzi, P., G. Grossi, A. Buzzi, R. Ranzi, and R. Buizza, 2006, The 1966 'century' flood in Italy: A meteorological and hydrological revisitation. *J. Geophys. Res.*, **111**, D24106, doi:10.1029/2006JD007111.

Davolio, S., A. Buzzi and P. Malguzzi, 2007: High resolution simulations of an intense convective precipitation event. *Meteorol. Atmos. Phys.* 95, N.3-4, 139-154. DOI: 10.1007/s00703-006-0200-0.

Richard, E., A. Buzzi and G. Zängl, 2007: Quantitative precipitation forecasting in mountainous regions: The advances achieved by the Mesoscale Alpine Programme. *Q. J. R. Meteorol. Soc.*, **133**, 831-846.

Diomede, T., S. Davolio, C. Marsigli, M. M. Miglietta, A. Moscatello, P. Papetti, T. Paccagnella, A. Buzzi and P. Malguzzi, 2008: Discharge prediction based on multi-model precipitation forecasts. *Meteorol. Atmos. Phys.*, **101**, 245-265. DOI 10.1007/s00703-007-0285-0.

Davolio, S., A. Buzzi and P. Malguzzi, 2009: Orographic triggering of long-lived convection in three dimensions. *Meteorol. Atmos. Phys.* , **103**, 35-44. DOI 10.1007/s00703-008-0332-5.

Davolio, S., M. M. Miglietta, A. Moscatello, F. Pacifico, A. Buzzi and R. Rotunno, 2009: Numerical forecast and analysis of a tropical-like cyclone in the Ionian Sea. *Nat. Hazards Earth Syst. Sci.*, **9**, 551-562.

Davolio, S., D. Mastrangelo, M. M. Miglietta, O. Drofa, A. Buzzi and P. Malguzzi, 2009: High resolution simulations of a flash flood near Venice. *Nat. Hazards Earth Syst. Sci.* , **9**, 1671-1678.

Rotach, M.W., P. Ambrosetti, F. Ament, C. Appenzeller, M. Arpagaus, H.S. Bauer, A. Behrendt, F. Bouttier, A. Buzzi, M. Corazza, S. Davolio, M. Denhard, M. Dorninger, L. Fontannaz, J. Frick, F. Fundel, U. Germann, T. Gorgas, C. Hegg, A. Hering, C. Keil, M.A. Liniger, C. Marsigli, R. McTaggart-Cowan, A. Montani, K. Mylne, R. Ranzi, E. Richard, A. Rossa, D. Santos-Muñoz, C. Schär, Y. Seity, M. Staudinger, M. Stoll, H. Volkert, A. Walser, Y. Wang, J. Werhahn, V. Wulfmeyer, M. Zappa, 2009: MAP D-PHASE: Real-time Demonstration of Weather Forecast Quality in the Alpine Region. *Bull Amer Meteor Soc*, **90** (9), 1321–1336, DOI:10.1175/2009BAMS2776.1.

Cavaleri, L., L. Bertotti, R. Buizza, A. Buzzi, V. Masato, G. Umgiesser, M. Zampieri, 2010: Predictability of extreme meteo-oceanographic events in the Adriatic Sea. *Quart. J. Roy. Meteor. Soc.*, **136**, 400-413.

Orlandi, E., F. Fierli, S. Davolio, A. Buzzi, O. Drofa, 2010: A nudging scheme to assimilate satellite brightness temperature in a meteorological model: Impact on representation of African mesoscale convective systems. *Quart. J. Roy. Meteor. Soc.*, **136**, 462-474.

Bartzokas, A., J. Azzopardi, L. Bertotti, A. Buzzi, L. Cavaleri, D. Conte, S. Davolio, S. Dietrich, A. Drago, O. Drofa, A. Gkikas, V. Kotroni, K. Lagouvardos, C.J. Lolis, S. Michaelides, M. Miglietta, A. Mugnai, S. Music, K. Nikolaidis, F. Porcù, K. Savvidou, and M.I. Tsirogianni, 2010: The RISKMED project: Philosophy, methods and products. *Nat. Hazards Earth Syst. Sci.*, **10**, 1393–1401. DOI:10.5194/nhess-10-1393-2010

Malguzzi, P., A. Buzzi and O. Drofa, 2011: The meteorological global model GLOBO at the ISAC-CNR of Italy: assessment of 1.5 years of experimental use for medium range weather forecast. *Wea.Forecasting* (in print).

Fantini, M., P. Malguzzi and A. Buzzi, 2011: Numerical study of slantwise circulations in a strongly-sheared pre-frontal environment. *Quart. J. Roy. Meteor. Soc.* (in print).