

Europass Curriculum Vitae



Personal information

First name(s) / Surname	Alessandro Francesco Giovanni CEPPI	
Address	25, Via San Vitale, I-20831 Seregno (MB)	
Telephone(s)	+39 0362 220589	Mobile: +39 349 1534355
Fax	+39 0362 238044	
E-mail	alessandro.ceppi@mail.polimi.it alessandro@dropedia.it	
Nationality	Italian	
Date of birth	24/08/1980	
Gender	Male	
National Identification Number	CPPLSN80M24I625P	
VAT registration number	06308460960	

Work experience

Dates	From 2011 to present
Occupation or position held	Post-Doc, Research & Teaching
Main activities and responsibilities	<p>Development of a hydro-meteorological chain for a support decision system for drought irrigation management in the Po Valley area (Italy) – PRE.G.I. Project</p> <ul style="list-style-type: none"> • Teaching assistant in “Architectonic design laboratory” Course – Polytechnic of Milan University, Faculty of Architecture and Society • Assistant Professor in “Climate & Hydrology” Course – Polytechnic of Milan University, Faculty of Architecture and Society • Hydrological monitoring of water table and drainage system in Gressoney town, in collaboration with M.M.I. Srl Company of Milan. • Footprint measurements with eddy-covariance stations in experimental fields of Barrax (Spain) – EUFAR Project • Monitoring and management of eddy-covariance stations in Landriano (Pavia) and Livraga (Lodi) – AC-CA Project
Name and address of employer	Polytechnic of Milan University (Dept. of Environmental, Hydraulic, Infrastructures and Surveying Engineering) – 32, Piazza Leonardo da Vinci, I-20133, Milan
Type of business or sector	Climatology, hydrology, environment. Monitoring and management activities of environmental instruments (Academic)
Dates	From 2003 to present
Occupation or position held	Teacher (about 2500 teaching hours)
Main activities and responsibilities	Teacher of climatology, meteorology and environmental sciences in primary and secondary schools

Name and address of employer	<ul style="list-style-type: none"> • Primary schools of Lazzate (MB), Misinto (MB), Oggebbio (VB), Ghiffa (VB), Cannero (VB), Leffe (BG), Lesmo (MB), Villasanta (VB). • Secondary schools of Seregno (MB), Lazzate (MB), Albese con Cassano (CO), Giussano (MB), Muggiò (MB), Besana Brianza (MB), Monza, Leffe (MB), Fiorano al Serio (BG), Leffe (BG), Lentate sul Seveso (MB), Tirano (SO). • CAI (Italian Alpine Club) of Barzio (LC) and Treviglio (BG). • Sailing Club of Rimini. • LIPU (Italian League for Bird Protection) of Cesano Maderno (MB).
Type of business or sector	Education
Dates	From 2005 to present
Occupation or position held	Environmental advisor (consultant)
Main activities and responsibilities	Monitoring and management meteorological stations and environmental instruments
Name and address of employer	<ul style="list-style-type: none"> • Municipality of Seregno (MB), Lazzate (MB), Calco (MB), Cesano Maderno (MB), Leffe (BG), Sanremo (IM), Giussano (MB), Lesmo (MB), Lentate sul Seveso (MB) • Schools of Besana Brianza (MB), Monza, Muggiò (MB) • Civil Protection of Monza • Demetra Cooperative of Besana Brianza (MB) • APAF (Provincial Agency Training Activities) of Casargo (LC) • Parco Nord Milano of Sesto S. Giovanni (MI)
Type of business or sector	Institutional PR and Communications
Dates	From November 2003 to December 2005
Occupation or position held	Internship
Main activities and responsibilities	<ul style="list-style-type: none"> • Liaise with local authorities, public and private bodies (Regional Agencies for Environmental Protection, Civil Protection, Italian Air Force, Research Centres, Universities) • Development of a meteorological and climatological database, radar image analyses, hydro-geological field activities
Name and address of employer	Water Research Institute of National Research Council (IRSA-CNR) – 25, Via della Mornera, I-20861, Brugherio (MB). Tutor: Dr. Gianni Tartari
Type of business or sector	Environmental research
Education and training	
Dates	From January 2007 to February 2011
Title of qualification awarded	Ph.D. (XXII cycle) in Hydraulics Engineering

Principal subjects/occupational skills covered	Meteorology, Climatology, Hydrology, Mathematics, Statistic, Informatics, Environmental monitoring
Attended courses with exam during Ph.D.	Technical Scientific Writing (Prof. E. Matricciani - Polytechnic of Milan University), Mountain Hydrology (Prof. Ranzi – University of Brescia), Fluids mechanics (Prof. V. Armenio – University of Trieste), Non-Linear Dynamic Processes (Prof. Rinaldi - Polytechnic of Milan University), Urban Drainage: (Prof. J. Sansalone - University of Florida), Global changes and biosphere sustainability (Prof. M. Gatto – Polytechnic of Milan University)
Attended courses during Ph.D.	<ul style="list-style-type: none"> • Course of “Hydrometry of water channels” – University of Brescia • Winter School: “ Quantification of uncertainty in hydrological modelling” – Bertinoro (FC) • Introduction to Fortran Programming – Cilea, Segrate (MI) • Course: “Thunderstorm chaser. How to observe understand and forecast storms” • Filtering, data analysis and optimization of uncertain system (Prof. Bittanti – Polytechnic of Milan University) • Monte Carlo simulation methods for the quantitative analysis of stochastic and uncertain system (Prof. E. Zio – Polytechnic of Milan University)
Research activities	<p>Development of a hydro-meteorological chain for real time discharge forecast over Maggiore Lake basin – Support Decision System for hydro-meteorological warning (MAP-D-PHASE Project)</p> <ul style="list-style-type: none"> • Ph.D. Thesis: “Real time flood forecast coupling meteorological and hydrological models” • Hydrological monitoring of tidal channels in Cagliari City, in collaboration with M.M.I. Srl Company of Milan. • Monitoring and management of eddy-covariance and weather stations
Name and type of organisation providing education and training	Polytechnic of Milan University (Dept. of Environmental, Hydraulic, Infrastructures and Surveying Engineering) – 32, Piazza Leonardo da Vinci, I-20133, Milan
Level in national or international classification	Ph.D.
Dates	From October 1999 to December 2005
Title of qualification awarded	Master of Science in Environmental Science – Final mark 100/110
Principal subjects/occupational skills covered	<p>Mathematics, Physics, Chemistry, Biology, Ecology, Geology, Environmental Impact Assessment, Remote Sensing, Environmental impact assessment, Meteorology and Climatology</p> <ul style="list-style-type: none"> • Thesis: “Potential applications of a X-band radar in hydrological modelling”, Milano, 2005
Name and type of organisation providing education and training	University of Milano Bicocca – DISAT – 1, Piazza della Scienza, I-20126, Milan. Tutor: Prof. Valter Maggi
Level in national or international classification	Master of Science (M.Sc.)
Dates	From September 1994 to July 1999
Title of qualification awarded	Scientific high school leaving certificate – Final mark 72/100
Principal subjects/occupational skills covered	Mathematics, Science, Italian, History, Philosophy, Latin, English
Name and type of organisation providing education and training	Collegio Arcivescovile Ballerini – 77, Via Verdi, I-20831, Seregno (MB)

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment

European level ()*

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

English	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
	(*) <i>Common European Framework of Reference for Languages</i> <ul style="list-style-type: none"> • <i>Upper-Intermediate Course – Chester, UK (1995)</i> • <i>Advanced Course – London, UK (1996)</i> 									
Social skills and competences	Excellent communication skills (developed during 10 years of teaching) and ability to liaise with local authorities and bodies (acquired during 2 years of thesis, 4 years of Ph.D., 2 years of Post-Doc and 10 years of meteorological association life)									
Organisational skills and competences	Excellent ability to manage projects and groups (developed during the professional work and in his meteorological association life)									
Technical skills and competences	Management of environmental instruments (knowledge acquired during his university studies, Ph.D. research, professional work and meteorological association)									
Computer skills and competences	Discrete knowledge of Fortran, Matlab, ArcGis, Surfer software, Unix and OS X operative systems. Excellent knowledge of Microsoft Office and Internet.									
Other skills and competences	Hobbies: photography, travelling Sports: football, ski, skating, gym									
Driving licence	Category B									
Additional information	<ul style="list-style-type: none"> • Member of European Geoscience Union: www.egu.eu • Member of Italian Meteorology Society (S.M.I.): www.nimbus.it • Founder member of Meteonetwork Association: www.meteonetwork.it • Member of the sailing club Orza Minore: www.orzaminore.it • He has attended, and presented his works at many national and international meetings and conferences 									
Publications	<ul style="list-style-type: none"> • Meteorological reports for Lombardy Region, Nimbus 19-20-21-22-23-24-25-26. • Salerno, F., Ceppi, A., Di Pasquale, D. & Tartari, G. Application potentiality of a cost-effective X-band weather radar for the quantification of precipitation in northern Italy. <i>Proceedings of the International Symposium 2008, Grenoble, France, 10-12 Marzo 2008.</i> • Ceppi, A., Ravazzani, G., & Mancini, M. Hydro-meteorological chain for flood forecasting in the alpine region: a multi-model comparison. <i>European Geoscience Union 2008, Vienna, Austria, 13-18 April 2008.</i> • Ceppi, A., Ravazzani, G., Rabuffetti, D. & Mancini, M. Hydro-meteorological chain for flood forecasting in the Maggiore Lake basin: a reanalysis of November 2002 event. <i>8th EMS Annual Meeting/7th European Conference on Applied Climatology (ECAC), Amsterdam, The Netherlands, 29 September / 3 October 2008.</i> • Ceppi, A., Ravazzani, G., Rabuffetti, D. & Mancini, M. (2009) Hydro-meteorological chain for flood forecasting in the Toce basin: a multi model comparison. <i>Proceedings of the Joint MAP D-PHASE Scientific Meeting – COST 731 mid-term seminar, Challenges in hydro-meteorological forecasting in complex terrain, 19-22 May 2008, Conference Centre of CNR, Bologna, Italy., 73-80.</i> • Ravazzani, G.; Ceppi, A.; Rabuffetti, D.; Mancini, M. 2009; dphase_fest: hydrological model FEST run by Politecnico di Milano for the MAP D-PHASE project. <i>World Data Center for Climate.</i> [doi: 10.1594/WDCC/dphase_fest]. • Ceppi, A., Ravazzani, G., Rabuffetti, D. & Mancini, M. Coupling meteorological and hydrological models to evaluate the uncertainty in runoff forecasting: the case study of Maggiore Lake basin. <i>European Geoscience Union 2009, Vienna, Austria, 19-24 Aprile 2009.</i> • Ceppi, A., Ravazzani, G., Rabuffetti, D. & Mancini. An operational hydro-meteorological chain to evaluate the uncertainty in runoff forecasting over the Maggiore Lake basin. <i>11th Plinius Conference on Mediterranean Storms. Barcelona, Spain. 7-11 September 2009.</i> • Ranzi, R., Bacchi, B., Ceppi, A., Cislighi, M., Ehret, U., Jaun, S., Marx, A., Hegg, C., Zappa, M. 2009. Real-time demonstration of hydrological ensemble forecasts in MAP D-PHASE. <i>La-Houille-Blanche.</i> 5. 95-103. doi:10.1051/lhb/2009061 									

- Ceppi, A., Ravazzani, G., Rabuffetti, D., Mancini, M. Weather forecast uncertainty affecting hydrological modelling at different spatial scale: the key role of temperature in the evaluation of discharge. European Geoscience Union 2010, Vienna, Austria, 2-7 May 2010.
- Ceppi, A., Ravazzani, G., Rabuffetti, D., Mancini, M. (2010), Evaluating the uncertainty of hydrological model simulations coupled with meteorological forecasts at different spatial scales. *Procedia - Social and Behavioral Sciences, Volume 2, Issue 6, 2010, Pages 7631-7632.*
- Ravazzani G., Rabuffetti D., Corbari C., Ceppi A., Mancini M. (2010), Testing FEST-WB, a continuous distributed model for operational quantitative discharge forecast in the upper Po river. *Proceedings of the AMHY-FRIEND International Workshop on Hydrological Extremes, University of Calabria, Cosenza (Italy), July 10-12, 2008.*
- Corbari C., Ravazzani G., Ceppi A., Masseroni D., Mancini M. (2010), Uso di misure eddy correlation e di un modello di bilancio di massa ed energia per meglio interpretare i flussi misurati. *Atti del XXXII Convegno di Idraulica e Costruzioni Idrauliche, Palermo, 14-17 September.*
- Ceppi, A., Ravazzani, G., Rabuffetti, D., Mancini, M. (2012), An operational hydro-meteorological chain to evaluate the uncertainty in runoff forecasting over the Verbano basin. *Journal of Environmental Science and Engineering*, accepted.

I authorize the processing of personal data under the Italian D.Lgs. n. 196/03