

PERSONAL INFORMATION

Stefano Mariani



 ISPRRA – Institute for Environmental Protection and Research
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 stefano.mariani@isprambiente.it

Sex Male | Date of birth 20/08/1974 | Nationality Italian

POSITION Researcher

WORK EXPERIENCE

Since Sep 2003

Researcher

ISPRRA – Institute for Environmental Protection and Research (former APAT – Agency for Environmental Protection and Technical Services), Rome, Italy

Main activities and responsibilities:

- o Statistical analysis of hydro-meteorological and meteo-marine high intense/severe events occurring in Italy and over the Mediterranean basin
- o Forecast verification and model intercomparison
- o Weather forecasting
- o Monitoring and analysis of hydrological cycle and extremes (flood and drought)
- o Leader of the Work Package "River Morphology" for the ASI-ISPRRA project "Habitat Mapping" (Mar. 2017–Mar. 2020)
- o Project Leader of the EU project "PAWA – Pilot Arno Water Accounts" (Jan. 2014–Mar. 2015), funded by the EU DG Environment (<http://pawa.emwis.net/>)
- o Co-management of the ISPRRA Hydro-Meteo-Marine Forecasting System (SIMM) and management of the ISPRRA web pages dedicated to the SIMM weather forecasts (http://www.isprambiente.gov.it/pre_meteo/ in Italian; http://www.isprambiente.gov.it/pre_meteo_eng/index.html in English) and to the monthly Drought Bulletin (http://www.isprambiente.gov.it/pre_meteo/siccitas/index.html)
- o Scientific and technical dissemination
- o Active participation to EU and WMO funded initiatives, including "ITT-ESA Hyperspectral Imaging Mission Concept", "PAWA", the FP7 "REFORM", FP6 "CRUE ERA-Net" and FP6 "VOLTAIRE" research projects, the WMO- endorsed initiatives "HyMeX", "MAP D-PHASE" and "MesoVICT", the SEE "Danube Floodrisk" project, the INTERREG IIIB MEDOCC "HYDROPTIMET", "WERMED" and "MIPAIS" projects, the INTERREG IIIB Alpine Space "FORALPS" project, the INTERREG IIIB CADSES "HYDROCARE" project
- o Technical and financial reporting of EU funded initiatives
- o Author of several reports, guidelines and scientific publications in international journal (incl., *Weather and Forecasting*, *Meteorological Applications*, *Meteorology and Atmospheric Physics*, *Meteorologische Zeitschrift*, *Natural Hazards and Earth System Sciences*, and *Hydrology and Earth System Sciences*), reviewer for scientific publications, handling editor for scientific and technical publications, chairman in workshops and seminars

Type of sector:

- o Water resources protection and management
- o Hydrology
- o Meteorology
- o Numerical weather prediction
- o Satellite application to hydromorphology

From Jan 2002
to Jul 2003

Research fellow

ISAC – Institute of Atmospheric Sciences and Climate, Rome Unit (former IFA – Institute of Atmospheric Physics) of the Italian National Research Council (CNR), Rome, Italy

Main activities and responsibilities

- o Forecast verification and model intercomparison
- o Scientific and technical dissemination
- o Participation to the EU funded project "Land management and floods prevention" of the INTERREG II C programme

Type of sector:

- o Meteorology
- o Numerical weather prediction

SM



From Oct 1999
to Dec 2001

Curriculum Vitae
Scholarship holder

Stefano Mariani

IFA – Institute of Atmospheric Physics of the Italian National Research Council (CNR),
Rome, Italy

Main activities and responsibilities:

- o Forecast verification and model intercomparison
- o Scientific and technical dissemination
- o Participation to the EU funded project "Land management and floods prevention" of the INTERREG II C programme

Type of sector:

- o Meteorology
- o Numerical weather prediction

From Jul to Dec
1998

Bilingual call centre agent

ATESIA S.p.A., Rome, Italy

Main activities and responsibilities:

- o Inbound call activity for administering incoming product support or information inquiries from consumers on satellite phones for worldwide mobile communication (in French and in Italian) and on satellite-controlled antitheft device
- o Flight booking

Type of sector:

- o Communication and services

EDUCATION AND TRAINING

From Jan 2005
to Feb 2008

Doctorate Degree in Science of Engineer – curriculum of Mathematics

University of Ferrara, Department of Mathematics, Ferrara, Italy

Principal subjects:

- o Mathematics
- o Fluid dynamics
- o Forecast verification

PhD thesis on "Methodologies in Research and Operational Contexts for Numerical Precipitation Forecast Verification"

From Oct 1993
to May 1999

Master's degree in Mathematics

University of Rome "La Sapienza", Department of mathematics "Guido Castelnuovo", Rome, Italy

Principal subjects:

- o Mathematics
- o Applied Mathematics

From Oct 1996 to Feb 1997: ERASMUS scholarship at Université de Picardie "Jules Verne",
Faculté de Mathématiques et d'Informatique, Amiens, France
Degree thesis on "Neural and Probabilistic Models in Economy"

From Sep 1988
to Jul 1993

Secondary School Diploma

Technical Institute "Ferdinando Magellano", Rome, Italy

Principal subjects:

- o Accountancy
- o Programming

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
French	C2	C2	C2	C2	C2
	DELF diplôme d'études en langue française 1er et 2ème degree DALF diplôme approfondi de langue française – Level C2.				

MS

Good communication skills firstly gained through my experience as bilingual call centre agent and later refined and increased through an active participation to several international research initiatives and the attendance to conferences and seminars as speaker or chairman

Computer skills

More than twenty years of experience in computational programming, acquired since secondary school.

Strong knowledge of:

- UNIX/LINUX, Windows and MS-DOS operating systems
- C, FORTRAN and PASCAL programming languages
- Unix bash/shell and batch programming
- IDL, GrADS, Mathematica and Ferret technical computing and analytic software
- LaTeX word processor software
- Microsoft Office suite

Basic knowledge of:

- ArcGIS

ADDITIONAL INFORMATION

Publications

- **S. Mariani**, M. Casaioli, A. Lanciani, S. Flavoni, and C. Accadia, 2015: QPF performance of the updated SIMM forecasting system using reforecasts. *Meteorol. Appl.*, **22**, 256–272, DOI:10.1002/met.1453.
- M. Bussetini, C. Percopo, B. Lastoria, and **S. Mariani**, 2015: A Method for Characterizing the Stream Flow Regime in Europe. Engineering Geology for Society and Territory – Volume 3, Edited by G. Lollino, M. Arattano, M. Rinaldi, O. Giustolisi, J.-C. Marechal, and G. E. Grant, 01/2015: chapter 67; Springer International Publishing., ISBN: 9783319090535.
- S. Davolio, R. Ferretti, L. Baldini, M. Casaioli, D. Cimini, M. E. Ferrario, S. Gentile, N. Loglisci, I. Maiello, A. Manzato, **S. Mariani**, C. Marsigli, F. S. Marzano, M. M. Miglietta, A. Montani, G. Panegrossi, F. Pasi, E. Pichelli, A. Pucillo, and A. Zinzi, 2015: The role of the Italian scientific community in the first HyMeX SOP: an outstanding multidisciplinary experience, *Meteorologische Zeitschrift*, **24** (3), 261–267, DOI: 10.1127/metz/2014/0624.
- **S. Mariani**, M. Casaioli, E. Coraci, and P. Malguzzi, 2015: A new high-resolution BOLAM-MOLOCH suite for the SIMM forecasting system: assessment over two HyMeX intense observation periods, *Nat. Hazards Earth Syst. Sci.*, **15**, 1–24, DOI:10.5194/nhess-15-1-2015.
- R. Ferretti, E. Pichelli, S. Gentile, I. Maiello, D. Cimini, S. Davolio, M. M. Miglietta, G. Panegrossi, L. Baldini, F. Pasi, F. S. Marzano, A. Zinzi, **S. Mariani**, M. Casaioli, G. Bartolini, N. Loglisci, A. Montani, C. Marsigli, A. Manzato, A. Pucillo, M. E. Ferrario, V. Colaiuda, and R. Rotunno, 2014: Overview of the first HyMeX Special Observation Period over Italy: observations and model results, *Hydrol. Earth Syst. Sci.*, **18**, 1953–1977, DOI:10.5194/hess-18-1953-2014, & *Hydrol. Earth Syst. Sci. Discuss.*, **10**, 11643–11710, DOI:10.5194/hessd-10-11643-2013.
- M. Casaioli, F. Catini, R. Inghilesi, P. Lanucara, P. Malguzzi, **S. Mariani**, and A. Orasi, 2014: An operational forecasting system for the meteorological and marine conditions in Mediterranean regional and coastal areas. *Adv. Sci. Res.*, **11**, 11–23.
- **S. Mariani**, M. Casaioli, and P. Malguzzi, 2014: Towards a new BOLAM-MOLOCH suite for the SIMM forecasting system: implementation of an optimised configuration for the HyMeX Special Observation Periods. *Nat. Hazards Earth Syst. Sci. Discuss.*, **2**, 649–680. DOI:10.5194/nhessd-2-649-2014.
- M. Casaioli, **S. Mariani**, P. Malguzzi and A. Speranza, 2013: Factors affecting the quality of QPF: A multi-method verification of multi-configuration BOLAM reforecasts against MAP D-PHASE observations. *Meteorol. Appl.*, **20**, 150–163.
- G. Braca, M. Bussetini, B. Lastoria and **S. Mariani**, 2013: Linee guida per l'analisi e l'elaborazione statistica di base delle serie storiche di dati idrologici (in Italian; *Guidelines for basic statistical analysis of hydrological time series*), Guidelines n. 84/2013, pp. 166. ISBN 978-88-448-0584-5.
- A. Thieken, **S. Mariani**, S. Longfield and F. Guzzetti (Eds.), 2012: Flood resilient communities – managing the consequences of flooding. *Nat. Hazards Earth Syst. Sci.*, Special Issue. http://www.nat-hazards-earth-syst-sci.net/special_issue157.html.
- **S. Mariani** and Lastoria B. (Eds.), 2011: Working Group F Thematic Workshop on FLASH FLOODS AND PLUVIAL FLOODING – Abstracts and Full Papers. ISPRA – Istituto Superiore per la Protezione e la Ricerca Ambientale, Rome, Italy, 182 pp. ISBN: 978-88-448-0511-1.
- M. C. Galluccio, M. Casaioli, **S. Mariani** and E. Giusta – Scientific Coordination: G. Monacelli, 2011: Irrigation Management during Drought Periods in Europe – ISPRA's Activities, MIP AIS-INTERREG IIIB MEDOCC, Tech. Report n.129/2010, pp. 89. ISBN 978-88-448-0474-9.
- M. Casaioli, B. Lastoria, **S. Mariani** and M. Bussetini, 2010: Evaluating the improvements of the BOLAM model of the ISPRA Sistema Idro-Meteo-Mare on the December 2008 flood event in Rome, *Adv. Geosci.*, **25**, 135–141.
- M. Bussetini, B. Lastoria, G. Braca, **S. Mariani** and S. Venturelli, 2010: Regime Idrologico (in Italian), in *Implementazione della Direttiva 2000/60/CE. Analisi e valutazione degli aspetti idromorfologici (Analysis and evaluation of hydromorphological aspects)*, vers. 1.1, ISPRA – Istituto Superiore per la Protezione e la Ricerca Ambientale. ISBN: 978-88-448-0439-8.
- N. Tartaglione, **S. Mariani**, M. Casaioli, C. Accadia, S. Federico and A. Lanciani, 2009: Location errors in QPFs over the Calabria region: Does a multi-model poor man's ensemble over-perform each member? *Atmos. Res.*, **94**, 736–742. DOI:10.1016/j.atmosres.2009.03.003.
- **S. Mariani**, M. Casaioli, A. Lanciani, N. Tartaglione and C. Accadia, 2009: A multi-method intercomparison approach for precipitation fields modelled by LAMs in the Alpine area: Two FORALPS case studies. *Meteorol. Atmos. Phys.*, **103**, 79–92. DOI 10.1007/s00703-008-0340-5.



- **S. Mariani**, A. Lanciani, M. Casaioli, C. Accadia and N. Tartaglione, 2008: *A multi-method approach for quantitative precipitation forecast verification within the MAP D-PHASE project*, Proc. Joint 2nd MAP D-PHASE Meeting & COST 731 Mid-term Seminar "Challenges in hydrometeorological forecasting in complex terrain", Bologna, 19–22 May 2008.
- M. Casaioli, **S. Mariani**, A. Lanciani and S. Flavoni, 2008: *QBOLAM: The APAT contribution to the MAP D-PHASE forecasting activity*, Proc. Joint 2nd MAP D-PHASE Meeting & COST 731 Mid-term Seminar "Challenges in hydrometeorological forecasting in complex terrain", Bologna, 19–22 maggio 2008.
- **S. Mariani**, C. Accadia, N. Tartaglione, M. Casaioli, M. Gabella, S. Chr. Michaelides and A. Speranza, 2008: Multisensor comparison and numerical modeling of atmospheric water fields: A VOLTAIRE case study over Cyprus. *Wea. Forecasting*, **23**, 674–701.
- N. Tartaglione, **S. Mariani**, C. Accadia, S. Michaelides and M. Casaioli, 2008: *Objective verification of spatial precipitation forecasts*. In *Precipitation: advances in measurement, estimation and prediction*, edited by S. Chr. Michaelides (Springer), 453–472.
- **S. Mariani** and M. Casaioli, 2008: *Forecast verification: A summary of common approaches and examples of application*. FORALPS Technical Report, **5**. Università degli Studi di Trento, Dipartimento di Ingegneria Civile e Ambientale, Trento, Italy, 60 pp. ISBN 978–88–8443–234–6.
- N. Tartaglione, **S. Mariani**, M. Casaioli, C. Accadia, S. Federico, and S. Chr. Michaelides, 2008: Searching for systematic location errors of quantitative precipitation forecasts over the Calabria region. *Meteorol. Appl.*, **15**, 85–95.
- A. Lanciani, **S. Mariani**, M. Casaioli, C. Accadia and N. Tartaglione, 2008: A multiscale approach for precipitation verification applied to the FORALPS case studies. *Adv. Geosci.*, **16**, 3–9.
- A. Speranza, C. Accadia, **S. Mariani**, M. Casaioli, N. Tartaglione, G. Monacelli, P. M. Ruti and A. Lavagnini, 2007: SIMM: An integrated forecasting system for the Mediterranean Area. *Meteorol. Appl.*, **14**, 337–350.
- A. Lavagnini, A. M. Sempreviva, C. Tranterici, C. Accadia, M. Casaioli, **S. Mariani** and A. Speranza, 2006: Offshore Wind Climatology over the Mediterranean Basin. *Wind Energ.*, **9**, 251–266.
- **S. Mariani**, G. Monacelli, B. Lastoria and M. Casaioli, 2006: *The role and the activity of APAT in the framework of flood forecasting*, proceedings del World Meteorological Organization (WMO) Expert Meeting on Flood Forecasting in the Mediterranean Basin, Zaragoza, Spagna, 26–28 settembre 2006.
- N. Tartaglione, **S. Mariani**, C. Accadia, M. Casaioli, M. Gabella, S. Michaelides and A. Speranza, 2006: Sensitivity of Forecast Rainfall Verification to a Radar Adjustment Technique. *Meteor. Z.*, **15** (5), 537–543.
- M. Casaioli, **S. Mariani**, C. Accadia, N. Tartaglione, A. Speranza, A. Lavagnini and M. Bollinger, 2005: Unsatisfying hydro-meteorological forecast of a Mediterranean cyclone: a verification study employing state-of-the-art techniques. *Adv. Geosci.*, **7**, 379–386.
- B. Lastoria, M. R. Simonetti, M. Casaioli, **S. Mariani** and G. Monacelli, 2006: Socio-economical impact of major floods in Italy from 1951 to 2003. *Adv. Geosci.*, **7**, 223–229.
- M. Casaioli, **S. Mariani**, C. Accadia, M. Gabella, S. Michaelides, A. Speranza and N. Tartaglione, 2005: Radar adjusted data versus modelled precipitation: a case study over Cyprus. *Adv. Geosci.*, **7**, 85–90.
- N. Tartaglione, **S. Mariani**, C. Accadia, M. Casaioli, M. Gabella, S. Michaelides and A. Speranza, 2005: Model verification sensitivity to different adjustment techniques. *Proceedings of the 3rd Voltaire Workshop*, Utrecht, The Netherlands, 13 September 2005, edited by G. Skok (DMFA-založništvo, Ljubljana).
- S. Anquetin, E. Yates, V. Ducrocq, S. Samouillan, K. Chancibault, D. Silvio, C. Accadia, M. Casaioli, **S. Mariani**, G. Ficca, B. Gozzini, F. Pasi, M. Pásqui, M. Garcia, M. Martorell, R. Romero and P. Chessa, 2005: The 8 and 9 September 2002 flash flood event in France: an intercomparison of operational and research meteorological models. *Nat. Hazards Earth Syst. Sci.*, **5**, 741–754.
- **S. Mariani**, M. Casaioli, C. Accadia, M. C. Llasat, F. Pasi, S. Davolio, M. Elementi, G. Ficca and R. Romero, 2005: A limited area model intercomparison on the "Montserrat-2000" flash-flood event using statistical and deterministic methods. *Nat. Hazards Earth Syst. Sci.*, **5**, 565–581.
- N. Tartaglione, **S. Mariani**, C. Accadia, A. Speranza and M. Casaioli, 2005: Comparison of rain gauge observations with modelled precipitation over Cyprus using Contiguous Rain Area Analysis. *Atmos. Chem. Phys.*, **5**, 2147–2154.
- C. Accadia, **S. Mariani**, M. Casaioli, A. Lavagnini and A. Speranza, 2005: Verification of Precipitation Forecasts from two Limited Area Models over Italy and comparison with ECMWF Forecasts using a Resampling Technique. *Wea. Forecasting*, **20**, 276–300.
- S. Federico, E. Avolio, C. Bellecci, M. Colacino, A. Lavagnini, C. Accadia, **S. Mariani** and M. Casaioli, 2004: Three models intercomparison for Quantitative Precipitation Forecast over Calabria. *Nuovo Cimento*, **27 C** (6), 627–647.
- **S. Mariani**, C. Accadia, M. Casaioli, A. Lavagnini et A. Speranza, 2004: *Méthodologies diagnostiques pour la validation des précipitations prévues par les modèles météorologiques à aire limitée*, Proc. Ateliers de Modélisation de l'Atmosphère 2004 (AMA 2004) – Centre National de Recherches Météorologiques (CNRM) de Météo-France, 29–30 Nov. 2004, Toulouse, France.
- C. Accadia, **S. Mariani**, N. Tartaglione, A. Speranza and Marco Casaioli, 2004: Comparison of observed and modeled water fields over the Eastern Mediterranean. *Proceedings of the 2nd Voltaire Workshop*, Ljubljana, Slovenia, 06–08 October 2004, edited by G. Skok (DMFA-založništvo, Ljubljana).
- A. Speranza, C. Accadia, M. Casaioli, **S. Mariani**, G. Monacelli, R. Inghilesi, N. Tartaglione, P. M. Ruti, A. Carillo, A. Bargagli, G. Pisacane, F. Valentinotti and A. Lavagnini, 2004: POSEIDON: An integrated system for analysis and forecast of hydrological, meteorological and surface marine fields in the Mediterranean area. *Nuovo Cimento*, **27 C** (4), 329–345.
- M. Casaioli, C. Accadia, **S. Mariani**, M. Bolliger, A. Lavagnini and A. Speranza, 2004: Evolution of an Autumnal Mesoscale Mediterranean Cyclone: a Diagnostic Study of a LAM Precipitation Forecast Error. *Proceedings of 1st Voltaire Workshop*, Barcelona, Spain, 6–7 October 2003, edited by G. Skok (DMFA-založništvo, Ljubljana).
- C. Accadia, M. Casaioli, **S. Mariani**, A. Lavagnini and A. Speranza, 2004: A diagnostic Study of a Mediterranean Cyclone using a regional model and SSM/I observations. *Proceedings of 5th Plinius Conference on Mediterranean Storms*, Ajaccio, Corsica, France, 1–3 October 2003, edited by Editrice.
- C. Accadia, G. Arena, A. Barbanò, N. Bencivenga, M. Casaioli, A. Colagrossi, S. Corsini, R. Inghilesi, **S. Mariani**, G. Monacelli, G. Nardone and A. Rizzo, 2003: Il Sistema Idro-Meteo-Mare e le reti di monitoraggio marino dell'APAT (in Italian, *The Hydro-Meteo-Marine Forecasting System and the marine monitoring networks of APAT*), *Atti della 7ª Conferenza Nazionale delle Agenzie Ambientali*, 24–26 November 2003.

- C. Accadia, **S. Mariani**, M. Casaioli, A. Lavagnini and A. Speranza, 2003: Sensitivity of Precipitation Forecast Skill Scores to Bilinear Interpolation and a Simple Nearest-Neighbor Average Method on High Resolution Verification Grids, *Wea. Forecasting*, **18** (5), 918–932.
- C. Accadia, M. Casaioli, **S. Mariani**, A. Lavagnini, A. Speranza, A. De Venere, R. Inghilesi, R. Ferretti, T. Paolucci, D. Cesari, P. Patrino, G. Boni, S. Bovo and R. Cremonini, 2003: Application of a Statistical Methodology for Limited Area Model Intercomparison using a Bootstrap Technique. *Nuovo Cimento*, **26** C (1), 61–77.
- **S. Mariani**, G. Rotundo and B. Tirozzi, 2000: Hedging strategy with Langevin evolution. *Int. J. Theor. Appl. Finance*, **3** (3), 553–556.
- **S. Mariani**, G. Rotundo and B. Tirozzi, 1999: *Hedging strategy with Langevin evolution*. Quaderni del Dipartimento di Matematica per le Decisioni Economiche, Finanziarie e Assicurative, Facoltà di Economia e Commercio, Università degli Studi di Roma "La Sapienza", N.10 – Anno VI.

Recent presentations & posters, from 2010

- **Mariani, S.**, and M. Casaioli: A multi-model, multi-analysis study to assess the capability of the CRA analysis for QPF spatial verification in the MesoVICT framework. Presentation at 7th International Verification Methods Workshop, Berlin (DE), 8–11 May 2017.
- **Mariani, S.**, and M. Casaioli: A comparison and evaluation of the applicability of the Contiguous Rain Area analysis over small verification domains. Presentation at 2nd MesoVICT Workshop, ARPAE Emilia Romagna, Bologna, Italia, 21–23 September 2016.
- **S. Mariani**: PAWA – Pilot Arno Water Accounts – Presentation at CIS Working Group on Programme on Measures meeting, DG ENV, Bruxelles, 15 October 2015.
- E. Coraci, M. Bajo, M. Casaioli, M. Ferla, **S. Mariani**, and G. Umgiesser: *An operational system for the storm surge forecast in the Adriatic Sea (Italy): Results and evaluations*. Poster presented at the 14th EMS Annual Meeting, Prague, Czech Republic, 6–10 October 2014.
- M. Bussetтини, C. Percopo, B. Lastoria, and **S. Mariani**: A method for characterizing the stream flow regime in Europe. Poster at IAEG XII Congress, Torino, 15–19 September 2014.
- G. Braca, M. Bussetтини, B. Lastoria, and **S. Mariani**: Caratterizzazione delle serie di dati idrologici: proposta di un indice di qualità, Poster at XXXIV Convegno Nazionale di Idraulica e Costruzioni Idrauliche (IDRA14), Bari, Italy, 8–10 September 2014.
- S. Davolio, C. Bassi, and **S. Mariani**: *High-resolution simulations of SOP1-HyMeX intense precipitation events assessing the impact of model horizontal resolution*. Presentation at the 8th HyMeX Workshop, Valletta, Malta, 15–18 September 2014.
- PAWA partnership: *Il progetto PAWA: azione pilota per il calcolo del bilancio idrico sul bacino del fiume Arno*. Poster presented at XXXIV Convegno Nazionale di Idraulica e Costruzioni Idrauliche, Bari, Italy, 8–10 September 2014.
- **S. Mariani**: *PAWA – Pilot Arno Water Accounts*. Presentation at the Kick-off Meeting of the 2013 Halting Desertification in Europe Pilot Projects, DG ENV, Brussels, Belgium, 5 February 2014.
- **S. Mariani**, S. Davolio, M. Casaioli, A. Buzzi, P. Malguzzi, and O. Drofa: Performance of the BOLAM-MOLOCH forecasting chains implemented for the HyMeX SOP campaigns: *A QPF verification study using a wide rainfall measurement dataset*. Presentation at the 7th HyMeX Workshop, Cassis, France, 7–10 October 2013.
- **S. Mariani**, M. Casaioli, E. Coraci, M. Cordella, S. Davolio, M. E. Ferrario, M. Sansone, A. Manzano, A. Pucillo, and M. Bajo: *The impact of different NWP forecasting systems on acqua alta forecasts: two IOP case studies over the NEI target site*. Poster presented at the 7th HyMeX Workshop, Cassis, France, 7–10 October 2013.
- **S. Mariani**, M. Casaioli and Martina Bussetтини: *Verso una nuova catena modellistica meteorologica BOLAM-MOLOCH per il sistema previsionale dell'ISPR: dalla sperimentazione sul dataset MAP D-PHASE all'implementazione per le attività di HyMeX* (in Italian). Presentation at the ARPA Liguria Conference "Simulare Convienel!", Genova, Italy, 22 May 2013.
- R. Ferretti, E. Pichelli, S. Gentile, V. Colaiuda, I. Maiello, R. Rotunno, N. Loglisci, A. Montani, C. Marsigli, A. Pucillo, A. Manzano, M. Ferrario, S. Gallino, F. Pasi, G. Bartolini, S. Davolio, G. Panegrossi, M. M. Miglietta, D. Cimini, A. Santacasa, D. Ronconi, **S. Mariani** and M. Casaioli: *Preliminary analysis of the Intensive Observation Period events occurred in Italy during the HyMeX campaign*. Poster presented at the EGU General Assembly 2013, Vienna, Austria, 7–12 April 2013.
- B. Lastoria, **S. Mariani** and G. Monacelli: *EU Flood Directive 2007/60/EC*. Presentation at the Workshop of the PREEMPT – Policy-relevant assessment of socio-economic effects of droughts and floods project on "The value of knowing better – Assessment of losses from natural hazards", Venice, Italy, 30 November 2012.
- **S. Mariani**: *The FP6 project "CRUE ERA-Net"*. Short presentation at FLOODrisk 2012, session on "The EU Floods Directive – part I: Potential barriers and best practices in Science-Policy Interfacing", Rotterdam, The Netherlands, 20–22 November 2012.
- **S. Mariani** and M. Casaioli: *Using the MAP D-PHASE database to evaluate the QPF improvements of the new SIMM's BOLAM*. Poster presented at the EGU General Assembly 2012, Vienna, Austria, 22–27 April 2012.
- **S. Mariani**: *The FP7 project "REFORM - Restoring rivers FOR effective catchment Management"*. Presentation at the 11th WG F meeting, Bucharest, Romania, 19 April 2012.
- **S. Mariani**, M. Casaioli and A. Speranza: *On evaluating the improvement of the new SIMM's BOLAM using a multi-method approach over the MAP D-PHASE Operations Period dataset*. Poster presented at the 5th International Verification Methods Workshop, Melbourne, Australia, 5–7 December 2011.
- **S. Mariani**, O. Drofa, S. Davolio, A. Speranza and A. Buzzi: *Assessing the impact of the assimilation of satellite-retrieved precipitation and humidity products into the hydrostatic BOLAM: Two Italian case studies*. Presentation at the 6th European Conference on Severe Storms, Palma de Mallorca, Spain, 3–7 October 2011.
- **S. Mariani**: *Attivita del progetto CRUE ERA-Net* (in Italian). Presentation at the Conference "Rischio idrogeologico in Italia – Attuazione della Direttiva Alluvioni (2007/60CE) in Italia, Venezia, Italy, 12 September 2011.
- M. Casaioli, P. Malguzzi and **S. Mariani**: *Sensitivity to initial condition and model resolution of precipitation forecasts modelled by the hydrostatic BOLAM model over the Mediterranean Basin*. Poster presented at the 6th European Conference on Severe Storms, Palma de Mallorca, Spain, 3–7 October 2011.
- **S. Mariani** and M. Casaioli: *The new BOLAM version of the SIMM forecasting chain: A verification study over the MAP D-PHASE Operations Period*. Presentation at the 11th European Meteorological Society Annual Meeting/10th European Conference on Applications of Meteorology, Berlin, Germany, 12–16 September 2011.
- **S. Mariani**, M. Casaioli, B. Lastoria, A. Orasi and F. Catini: *Verification of an integrated meteo-marine modeling*

chain with quantitative and qualitative methods. Presentation at the 4th HyMeX Workshop, Bologna, Italy, 8–10 June 2010.

- **S. Mariani**, C. Mazzetti, A. Lanciani and M. Casaioli: *RainMusic multi-instrument precipitation analysis: Application to the VOLTAIRE and MAP D-PHASE case studies.* Poster presented at the 4th HyMeX Workshop, Bologna, 8–10 June 2010.
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