

Michela Cameletti

Curriculum Vitæ

(Last update: 08 August 2018)

University of Bergamo
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Current status

From April 2018 *Associate professor* in Statistics (SECS-S/01) at University of Bergamo, Department of Management, Economics and Quantitative Methods.

From Dec. 2008 *Assistant professor* in Statistics (SECS-S/01) at University of Bergamo, Department of Management, Economics and Quantitative Methods.

From March 2017 National Scientific Qualification as Associate Professor for the academic recruitment fields 13/D1 - Statistics.

Professional experiences

Oct. 2012 - Nov. 2012 *Honorary research fellow* at the MRC Centre for Environment and Health, Department of Epidemiology and Biostatistics, Imperial College London (UK).

Oct. 2007 - March 2008 *Research fellow* at the Statistical and Applied Mathematical Science Institute (SAMSI), Research Triangle Park, NC (USA). Project title “Environmental Sensor Networks”, local coordinator Prof. A. Gelfand.

Nov. 2005 - Dec. 2008 *Research fellow* at University of Bergamo, Department of Information Technology and Mathematical Methods. Project title “Stochastic models for heterogeneous environmental monitoring networks”, supervisor Prof. A. Fassò.

Education

- *Ph.D. in Statistics*, University of Milan-Bicocca (Italy), 2002-2006. Dissertation title “Spatio-temporal models for environmental data” (in Italian), supervisor Prof. A. Fassò.
- Summa cum Laude *MSc in Statistics, Demography and Social Sciences*, University of Milan-Bicocca (Italy), 2001.

Relevant grants

- Principal investigator of the Bergamo research unit for the PRIN 2015 project “Environmental processes and human activities: capturing their interactions via statistical methods (EphaStat)”. Project duration: from 05/02/2017 to 05/02/2020.
Main investigator: D. Cocchi (University of Bologna).
Website: <https://sites.google.com/site/ephastat/>
- Principal investigator of the Bergamo research unit for the FIRB2012 (Futuro in ricerca) project “Statistical modeling of environmental phenomena: pollution, meteorology, health and their interactions” (code RBFR12URQJ).
Project duration: from 21/03/2013 to 21/03/2017.
Main investigator: F. Bruno (University of Bologna).
Website: <http://stephiproject.it/>
- Member of the EN17 project (n. 17369.10) “Methods for the integration of renewable energy sources and the satellite monitoring of the environmental impact” funded by Lombardia region (Jan. 2011 - Apr. 2012); principal investigator A. Fassò, University of Bergamo.
- Principal investigator of the project “GPU techniques for the Advanced Spatio-Temporal Statistical Modelling (GPU4MASST)” in collaboration with the CILEA Interuniversity Consortium for the Interdisciplinary Laboratory for Advanced Simulation (LISA) initiative (Jan. 2010 - Aug. 2012).
- Principal investigator of local funds (MIUR ex-60%) at University of Bergamo for the following projects: New frontiers in the production and use of Big Data: from web data collection to data fusion for the measurement of complex phenomenon (2018); Statistical tools and methods for surveying and modelling complex social phenomena (2017); Environmental risk and health: an economic-statistics approach (2016); Statistical models for the analysis of macroseismic data (2015); Computationally intensive methods for health and environment (2014); Studying the impact of air pollution on human health (2013); Statistical models for the estimate and the spatial prediction of macroseismic intensity (2011-2012); Computational intensive methods for the estimation and the mapping of spatio-temporal models (2010); Comparison of hierarchical spatio-temporal models for air quality pollutants (2009).
- Member of the PRIN 2006 research project “Statistical analysis and modeling of impact and risk for environmental phenomena in space and time”; principal investigator A. Fassò, University of Bergamo.

Teaching

Bachelor’s Degree Programs

- From A.Y. 2008/2009 *Principal lecturer* (72 hours) of the course “Statistica I” (9 CFU, in Italian) in the Business Administration program of the Dept. of Management, Economics and Quantitative Methods, University of Bergamo.

Master’s Degree Programs

- For A.Y. 2018/2019 *Lecturer* (36 hours) of the course “Machine learning for economics” (6 CFU, in English), in the Economics and Data analysis program of the Dept. of Management, Economics and Quantitative Methods, University of Bergamo.
- From A.Y. 2017/2018 *Lecturer* (36 hours) of the course “Statistica Applicata per la Finanza” (9 CFU, in Italian), in the Management, Finance and International Business program of the Dept. of Management, Economics and Quantitative Methods, University of Bergamo.

- For A.Y. 2011/2012 and from A.Y. 2013/2014 *Lecturer* (24 hours for A.Y. 11/12, 13/14, 14/15 and 16/17, 36 hours for A.Y. 15/16 and from A.Y.17/18) for the course “Probability and Statistics for Business and Finance - Advanced” (9 CFU, in English), in the International Management, Entrepreneurship and Finance program of the Dept. of Management, Economics and Quantitative Methods, University of Bergamo.
- For A.Y. 2010/2011 *Lecturer* (16 hours) of the course “Probabilità e Statistica avanzata per la Finanza” (9 CFU, in Italian), in the Management, Finance and International Business program of the Dept. of Management, Economics and Quantitative Methods, University of Bergamo.

PhD Programs

- For A.Y. 2018/2019 *Lecturer* of the course “Statistics” (15 hours) per the PhD program on Applied Economics and Management (AEM), University of Bergamo.
- For A.Y. 2017/2018 *Lecturer* of the course “Financial Modelling” (6 hours) per the PhD program on Applied Economics and Management (AEM), University of Bergamo.
- For A.Y. 2016/2017 *Lecturer* of the course “Programming in R” (10 hours) per the PhD program on Analytics for Economics and Business (AEB), University of Bergamo.
- For A.Y. 2013/2014 *Lecturer* of the seminar “Programming in R” (3 hours) per the PhD program on Analytics for Economics and Business (AEB), University of Bergamo.

Summer schools

- *Lecturer* (with M. Blangiardo) of the course “Spatial and Spatio-Temporal Bayesian Models with R-INLA”, University of Glasgow, 27 August 2019, <https://www.gla.ac.uk/events/conferences/geomed/pre-conferenceworkshops/>
- *Lecturer* (with M. Blangiardo and A. Freni Sterrantino) for the course “Spatial and Spatio-Temporal Bayesian Models with R-INLA”, at Imperial college London (UK), 16-18 November 2017.
<http://www.sahsu.org/content/short-course-spatial-and-spatio-temporal-bayesian-models-r-inla>
- *Lecturer* of the course “An Introduction to Bayesian Computing with INLA”, SISBAYES 2017 conference, Sapienza University of Rome (IT), 7-8 February 2017, <http://stat-events.wixsite.com/sisbayes2017>.
- *Lecturer* (with M. Blangiardo) of the course “Spatial and Spatio-Temporal Bayesian Models with R-INLA”, GEOSTAT Summer School, University of Castilla-La Mancha (Albacete, ES), 18-25 September 2016, <https://geostat-course.org/content/geostat-2016-albacete>
- *Lecturer* (with M. Blangiardo) of the course “Spatial and Spatio-Temporal Bayesian Models with R-INLA”, University of Bergamo, 12-15 January 2016, http://www00.unibg.it/struttura/struttura.asp?cerca=dsaemq_r-inla2015

Institutional and PhD activities

From 2017 Member of the Faculty Committee of the PhD (from XXXIII cycle) in Applied Economics and Management (AEM), University of Bergamo.

From 2013 Member of the Faculty Committee of the PhD (from XXIX to XXII cycle) in Analytics for Economics and Business (AEB, now deactivated), University of Bergamo.

2013 - 2017 External examiner for the following PhD theses (the viva date is reported):

- Laura Serra Saurina, Mixed models and point processes, 22 Novembre 2013, University of Girona (E).

- Monica Pirani, Statistical methods for the analysis and interpretation of airborne particle exposure metrics within a time series framework, 26 Novembre 2015, King's College London (UK).
- André Python, Modelling the Spatial Dynamics of Terrorism: World Study, 2002-2013, 25 April 2017, University of St Andrews (UK).
- Francesca Giuseppina Pannullo, Spatial modelling of air pollution, deprivation and mortality in Scotland, 28 August 2017, University of Glasgow (UK).

2016 - 2018 Member of the departmental committee for the distribution of research funding, Department of Management, Economics and Quantitative Methods, University of Bergamo.

Nov. 2012 - Oct. 2015 Member of the departmental Research Committee (Consiglio della Ricerca) for the Department of Management, Economics and Quantitative Methods, University of Bergamo.

Organizational activities in scientific conferences

- Chair of the Local Committee of the joint TIES-GRASPA 2017 Conference on Climate and Environment, Bergamo (I), 24-26 July 2017, <http://meetings3.sis-statistica.org/index.php/graspa2017/>
- Organizer (together with A. Fassò) of the invited session “Environment and Health” at the TIES 2016 Conference, Edinburgh (UK), 18-22 July 2017, <http://www.ed.ac.uk/math/international-environmetrics-society/about-the-ties-conference/invited-sessions>.
- Member of the Scientific Committee of the joint METMA VII - GRASPA14 conference, Torino (I), 10-12 Sept. 2014, <http://meetings.sis-statistica.org/index.php/graspametma14/>.
- Member of the Program Committee for the UseR! 2013 Conference “The R User Conference 2013”, Albacete (S), 10-12 July 2013, <http://www3.uclm.es/congresos/user-2013/>.
- Organizer (together with M. Blangiardo) of the special topic session “Spatial and spatio-temporal models for environmental epidemiology (STS059)” at the 59th World Statistics Congress, Hong Kong, 25 - 30 August 2013, <http://2013.isiproceedings.org/>.
- Member of the Local Organizing Committee of the TIES 2009 Conference “Handling complexity and uncertainty in environmental studies”, Bologna (I), 5-9 July 2009, <http://www2.stat.unibo.it/ties2009/>.

Conference talks

- 2017 Invited talk “Statistical challenges in modelling spatially misaligned exposure and health data”, workshop on *Air pollution and health: statistical challenges in the modelling and in communicating the results*, Royal Statistical Society (RSS) London, 24 April 2017.
- 2016 Invited talk *Statistical challenges in air pollution health risk assessment*. II Galician-Portuguese meeting of Biometry with applications to the Health Sciences, Ecology and Environmental Sciences (BIOAPP 2016), Santiago de Compostela (ES), 30 June-02 July 2016.
- 2015 Invited talk “Spatial and Spatio-Temporal Bayesian models with R-INLA”, workshop *Ninth Torino R net meeting*, Torino (I), 4 June 2015.
- 2015 Invited talk *Assessing the effect of air pollution on human health using drug sales*. Spatial Statistics: Emerging Patterns, Avignone (F), 9-12 June 2015.

- 2015 Invited talk *Assessing the effect of air pollution on human health using drug sales*. XXXV Congreso Nacional de Estadística e Investigación Operativa (SEIO2015), Pamplona (ES), 26-29 May 2015.
- 2013 Invited discussant for the session *Graph theoretic methods for spatial data analysis*. 59th ISI World Statistics Congress, Hong Kong (CHN), 25-30 August 2013.
- 2013 Invited talk *The INLA approach for Bayesian air quality models*. 59th ISI World Statistics Congress, Hong Kong (CHN), 25-30 August 2013.
- 2013 Invited talk *The INLA approach for disease mapping and health risk assessment*. SIS2013 Statistical Conference - Advances in Latent Variables, Brescia (I), June 19, 2013,
- 2012 Invited talk *The SPDE-INLA approach for Bayesian air quality models*, Workshop on Energy, Air Quality and Sustainability: Models and Evidence (FAMEA project). Bergamo (I), November 2012.
- 2011 Contributed talk *Using the SPDE approach for air quality mapping in Piemonte region*, Spatial 2 Conference - Spatial Data Methods for Environmental and Ecological Processes, Foggia (I), September 2011.
- 2011 Invited talk *Comparing spatio-temporal models for air quality data*, Biostatistics seminar at Imperial College London, London (UK), January 2011.
- 2010 Invited talk *Comparing spatio-temporal models for air quality data*, Biostatistics seminar at the Faculty of Statistics - University of Milano-Bicocca, Milano (I), September 2010.
- 2009 Contributed talk *Comparing spatio-temporal models for air quality data*, Pascal Workshop on spatiotemporal modelling, Edinburgh (UK), October 2010.
- 2009 Invited talk *Distributed computing for spatio-temporal hierarchical models*, SIS Conference - Statistical Methods for the analysis of large data-set, Pescara (I), September 2009.
- 2009 Invited talk *Comparing air quality statistical models*, TIES 2009 Conference - Handling complexity and uncertainty in environmental studies, Bologna (I), July 2009.
- 2008 Invited talk *Comparing hierarchical spatio-temporal models for air quality data* intermediate GRASPA workshop for the PRIN project *Metodi statistici e modelli spatio-temporali per il monitoraggio dell'inquinamento atmosferico*, Siena (I), March 2008.
- 2007 Invited talks *Introduction to geostatistics* and *Space-time modeling of PM10 in Piemonte: a dynamic approach*, GRASPA Workshop, Torino (I), December 2007.
- 2007 Invited talk *Computer intensive procedures for mapping and modeling a spatio-temporal process and its uncertainty*, TIES Conference, Mikulov (CZ), August 2007.
- 2007 Invited talk *Spatio-temporal models for environmental data*, workshop of Environmetrics and Stochastic processes, University of Bergamo, Bergamo (I), January 2007.
- 2006 Invited talk *Spatio-temporal models for environmental data*, European University Viadrina of Frankfurt Oder (D), September 2006.
- 2005 Contributed talk *Resampling methods for bias reduction of animal density estimators in Point Transect sampling*, SCo Conference *Modelli Complessi e Metodi Computazionali Intensivi per la Stima e la Previsione*, Bressanone (I), September 2005.
- 2005 Contributed talk *Comparing estimators of animal abundance: a simulation study*, SIS Conference *Statistica ed Ambiente*, Messina (I), September 2005.

Scientific memberships and editorial activities

- Member of The International Environmetrics Society (TIES), of the Research group for Statistical Applications to Environmental Problems (GRASPA, <http://www.graspa.org/>), of the International Society for Bayesian Analysis (ISBA) and of the Italian Statistical Society (SIS).
- Secretary of the Research group for Statistical Applications to Environmental Problems (GRASPA, <http://www.graspa.org/>) from 03/08/2013 to 31/07/2015 and from 22/09/2015 to 31/07/2017.
- Referee for the following journals: Atmospheric Environment, AStA Advances in Statistical Analysis, Biometrical Journal, Environmental Science & Technology, Environmetrics, Italian Journal of Applied Statistics, Journal of Statistical Computation and Simulation, Journal of the Royal Statistical Society C, Regional Science and Urban Economics, Spatial Statistics, Statistical Methods & Applications, Statistics in Medicine, Stochastic Environmental Research and Risk Assessment.
- From 2016 member of the editorial board of *Statistica & Società* (<http://www.rivista.sis-statistica.org/>), the Italian journal for the dissemination of statistical culture.
- From 2011 editor in chief of the Graspera collection of working papers (ISSN: 2037-7738), http://graspa.org/working_papers/.

Awards, individual grants and fellowships

- Research award (5000 euro) sponsored by University of Bergamo (“5 per mille 2016” funds) for the participation in a funded PRIN2015 project as local principal investigator.
- Research award (1000 euro) sponsored by University of Bergamo (“5 per mille 2012” funds) for the research activity carried out during 2011.
- Research fellowship for a visiting period to be spent from 08/10/2012 to 16/07/2013 at MRC Centre for Environment and Health Department of Epidemiology and Biostatistics, Imperial College London (UK) founded by the project FYRE - Fostering Young REsearchers, Bando Fondazione Cariplo “Promuovere la formazione di capitale umano di eccellenza”.
- Best poster award for the poster titled “A spatio-temporal model for air quality mapping using uncertain covariates” (with S. Ghigo and R. Ignaccolo) presented at Spatial 2, Spatial Data Methods for Environmental and Ecological Processes - 2nd Edition, Foggia (I), Sept. 1-2, 2011.
- Research fellowship (October 2007 - March 2008) at the Statistical and Applied Mathematical Science Institute (SAMSI), Research Triangle Park, NC (USA) for the project “Environmental Sensor Networks”.

Research and teaching appointments for public institutions

- 2014 Three-days course “R software for time series analysis” organised for the Statistics Office of the Camera di Commercio Industria Artigianato e Agricoltura, Brescia.
- 20/02/2013-30/03/2013 Research contract by Istituto Nazionale di Geofisica e Vulcanologia (INGV, Roma) for the project “Analisi statistica di dati di intensità macrosismica”.

Visiting periods abroad

- Oct.-Nov. 2012 Honorary Research Fellow at MRC Centre for Environment and Health Department of Epidemiology and Biostatistics, Imperial College London (UK).

Jan.-Feb. & Oct. 2011 Visiting researcher at the Department of Mathematical Sciences, Norwegian University of Science and Technology (NTNU), Trondheim (N).

Oct. 2007 - March 2008 Research Fellow at Statistical and Applied Mathematical Sciences Institute (SAMSI), Research Triangle Park, NC (USA); project title "Environmental Sensor Networks", local coordinator Prof. A. Gelfand.

Sept. 2006 Visiting scholar at the Department of Statistics, Europa-Universität Viadrina of Frankfurt Oder (D).

Attended summer schools and courses

2018 *RECSM Summer School Big Data and Social Media Research and Machine Learning for Social Sciences*, Barcelona (ES), 2-4 July 2018.

2017 *SIS School Data science on digital unstructured sources*, Milano (IT), 1-8-15-22-29 September 2017.

2012 *GEOSTAT 2012 Summer School Spatio-temporal data analysis using R and Open Source GIS tools*, Münster (D), 3-11 September 2012, <http://www.geostat-course.org/>.

2006 Applied Bayesian Statistics School *Hierarchical modelling approaches for spatial data in environmental and health sciences*, Bertinoro (I), 17-21 July 2006.

2004 SIS School *Approcci moderni all'analisi robusta di dati multidimensionali (Modern approaches for the robust analysis of multidimensional data)*, Parma (Italy), 20-24 September 2004.

Publications

- Books

- [1] M. Blangiardo, M. Cameletti (2015) *Spatial and Spatio-temporal Bayesian Models with R-INLA*, Wiley, ISBN: 978-1-118-32655-8. <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-1118326555.html>

- Chapters in books

- [2] M. Blangiardo, M. Cameletti. Computational Issues and R Packages for Spatial Data Analysis. In *Handbook of Spatial Epidemiology*, 2016, Eds. Lawson A.B., Banerjee S., Haining R.P., Ugarte M.D., CRC Press, ISBN: 9781482253016.
- [3] M. Cameletti, F. Finazzi. GPU algorithms for likelihood-based inference of environmental models with large datasets. In *Complex Models and Computational Methods in Statistics*, Grigoletto M., Lisi F., Petrone S. (Eds.), 2013, ISBN: 978-88-470-2870-8, DOI: 10.1007/978-88-470-2871-5.5.

- Peer-reviewed articles

- [4] J. Martínez-Minaya, M. Cameletti, D. Conesa, M.G. Pennino. Species distribution modeling: a statistical review with focus in spatiotemporal issues, *Stochastic environmental research and risk assessment*, 2018, <https://doi.org/10.1007/s00477-018-1548-7>.
- [5] M. Cameletti, V. De Rubeis, C. Ferrari, P. Sbarra, P. Tosi. An ordered probit model for seismic intensity data, *Stochastic environmental research and risk assessment*, 2017, 31(7), 1593-1602.

- [6] F. Bruno, M. Cameletti, M. Franco-Villoria, F. Greco, R. Ignaccolo, L. Ippoliti, P. Valentini, M. Ventrucci. A survey on ecological regression for health hazard associated with air pollution, *Spatial Statistics*, 2016, 18, 276-299.
- [7] G. Bacaro, A. Altobelli, M. Cameletti, D. Ciccarelli, S. Martellos, M.W. Palmer, C. Ricotta, D. Rocchini, S.M. Scheiner, E. Tordoni, A. Chiarucci. Incorporating spatial autocorrelation in rarefaction methods: implications for ecologists and conservation biologists, *Ecological indicators*, 2016, 69, 233-238.
- [8] M. Cameletti, F. Finazzi. An analysis of temporal and spatial patterns in Italian hospitalization rates for multiple diagnosis. *Spatial and spatio-temporal epidemiology*, 2016, 19, 37-45.
- [9] M. Blangiardo, F. Finazzi, M. Cameletti. Two-stage Bayesian model to evaluate the effect of air pollution on chronic respiratory diseases using drug prescriptions. *Spatial and spatio-temporal epidemiology*, 2016, 18, 1-12.
- [10] V. Gómez-Rubio, M. Cameletti, F. Finazzi. Analysis of massive marked point patterns with stochastic partial differential equations, *Spatial Statistics*, 2015, 14, Part B, 179-196.
- [11] M. Cameletti. The Change of support problem through the INLA approach, *Statistica e Applicazioni*, 2013 Special Issue, 29-43.
- [12] M. Cameletti, R. Ignaccolo, D. Sylvan. Assessment and visualization of threshold exceedance probabilities in complex space-time settings: A case study of air quality in Northern Italy, *Spatial Statistics*, 2013, 5, 57-68.
- [13] M. Blangiardo, M. Cameletti, G. Baio, H. Rue. Spatial and Spatio-Temporal models with R-INLA, *Spatial and Spatio-temporal Epidemiology*, 2013, 7, 39-55 [Erratum to Spatial and spatio-temporal models with R-INLA in Spatio-temporal Epidemiology 4 (2013) 33-49].
- [14] M. Cameletti, F. Lindgren, D. Simpson, H. Rue. Spatio-temporal modeling of particulate matter concentration through the SPDE approach. *ASTA Advances in Statistical Analysis*, 2013, 97, 2, 109-131.
- [15] M. Cameletti, R. Ignaccolo, S. Bande. Comparing spatio-temporal models for particulate matter in Piemonte. *Environmetrics*, 22, 985-996, 2011.
- [16] A. Fassò, M. Cameletti. A unified statistical approach for simulation, modelling, analysis and mapping of environmental data. *Simulation: the Society for Modeling and Simulation International*, 2010, 86, 3, 139-153.
- [17] A. Fassò, M. Cameletti. The EM algorithm in a distributed computing environment for modelling environmental space-time data. *Environmental Modelling & Software*, 2009, 24, 1027-1035.
- [18] O. Bodnar, M. Cameletti, A. Fassò, W. Schmid. Comparing air quality in Italy, Germany and Poland using BC indexes. *Atmospheric Environment*, 2008, 42, 8412-8421.
- [19] A. Fassò, M. Cameletti, O. Nicolis. Air quality monitoring using heterogeneous networks. *Environmetrics*, 2007, 18, 245-264.

- Peer-reviewed conference proceedings

- [20] P. Berchiolla, M. Blangiardo, M. Cameletti, F. Finazzi, M. Franco-Villoria, R. Ignaccolo (2014). *Spatial model for cardio-respiratory diseases hospital admission in Torino province*, in Proceedings of the METMA VII and GRASPA14 Conference. Torino (IT), 10-12 September 2014. GRASPAWP, ISSN 2037-7738.
- [21] P. Berchiolla, M. Blangiardo, M. Cameletti, F. Finazzi, M. Franco-Villoria, R. Ignaccolo (2014) *Spatial modelling for air pollution epidemiology: hospital admission risk for cardio-respiratory diseases in Torino province*, in S. Cabras, T. Di Battista and W. Racugno (Eds),

- Proceedings of the 47th Scientific Meeting of the Italian Statistical Society, Cagliari (IT), 11-13 June 2014. CUEC Cooperativa Universitaria Editrice Cagliariitana, ISBN: 978-88-8467-874-4.
- [22] M. Blangiardo, M. Cameletti, F. Finazzi (2014) *Assessing the Effect of Air Pollution on Human Health Using Drug Sales Data*, in JSM Proceedings, Statistics and the Environment Section, Boston, 2-7 August 2014. American Statistical Association, Alexandria (VA, US), pp. 261-266, ISBN: 978-0-9839375-3-1.
- [23] M. Cameletti. The INLA approach for disease mapping and health risk assessment. *Proceedings of the SIS2013 Statistical Conference, Advances in Latent Variables*, Brescia (I), June 19-21, 2013, ISBN: 978-88-343-2556-8.
- [24] M. Cameletti, R. Ignaccolo, D. Sylvan. Assessing and visualizing probabilities to exceed air quality standards in complex space-time settings. *Proceedings of geoENV2012: IX Conference on Geostatistics for Environmental Applications*, Valencia (E), Sept. 19-21, 2012, Universitat Politècnica de València, ISBN: 978-84-8363-924-5.
- [25] F. Finazzi, M. Cameletti. GPU algorithms for the estimation of environmental models based on large datasets. *Proceedings of S.Co. 2011: 7th Conference on Statistical Computation and Complex Systems*, Padova (I), Sept. 19-21, 2011, ISBN: 978-88-6129-753-1 (USB).
- [26] S. Ghigo, M. Cameletti, R. Ignaccolo. Error-in-variables spatio-temporal model for PM₁₀ mapping. *Proceedings of S.Co. 2011: 7th Conference on Statistical Computation and Complex Systems*, Padova (I), Sept. 19-21, 2011, ISBN: 978-88-6129-753-1 (USB).
- [27] R. Ignaccolo, D. Sylvan, M. Cameletti. Modeling pollutant threshold exceedance probabilities in the presence of exogenous variables. *Proceedings of Spatial 2, Spatial Data Methods for Environmental and Ecological Processes - 2nd Edition*, Foggia (I), Sept. 1-2, 2011, CdP Service Ed. - San Severo (FG), ISBN: 978-88-96025-12-3.
- [28] M. Cameletti, S. Ghigo, R. Ignaccolo. A spatio-temporal model for air quality mapping using uncertain covariates. *Proceedings of Spatial 2, Spatial Data Methods for Environmental and Ecological Processes - 2nd Edition*, Foggia (I), Sept. 1-2, 2011, CdP Service Ed. - San Severo (FG), ISBN: 978-88-96025-12-3.
- [29] M. Cameletti, F. Lindgren, D. Simpson, H. Rue. Using the SPDE approach for air quality mapping in Piemonte region. *Proceedings of Spatial 2, Spatial Data Methods for Environmental and Ecological Processes - 2nd Edition*, Foggia (I), Sept. 1-2, 2011, CdP Service Ed. - San Severo (FG), ISBN: 978-88-96025-12-3.
- [30] M. Cameletti, R. Ignaccolo. Comparing spatio-temporal hierarchical models for air quality data. *Proceedings of the 45th scientific meeting of the Italian Statistical Society (SIS)*, Padova (I), June 16-18, 2010, Cleup Ed. - Padova, ISBN: 978-88-6129-566-7.
- [31] M. Cameletti. Distributed computing for spatio-temporal hierarchical models. *Proceedings of the SIS Conference Statistical Methods for the analysis of large data-set*, Pescara (I), Sept. 23-25, 2009, Cleup Ed. - Padova, ISBN: 978-88-6129-425-7.
- [32] A. Fassò, M. Cameletti, P. Bertaccini. Uncertainty decomposition in environmental modelling and mapping. *Proceedings of the Summer Computer Simulation Conference 2007*, San Diego California (USA), July 15-18, 2007.
- [33] A. Fassò, M. Cameletti. The EM algorithm for air quality spatio-temporal models. *Proceedings of the SIS Conference Rischio e Previsione*, Venezia (I), June 6-8, 2007, Cleup Ed. - Padova, ISBN: 978-88-6129-093-8.
- [34] P. Bertaccini, A. Fassò, M. Cameletti. Urban mobility and atmospheric pollution within the Torino metropolitan area. *Proceedings of the SIS Conference Rischio e Previsione*, Venezia (I), June 6-8, 2007, Cleup Ed. - Padova, ISBN: 978-88-6129-093-8.

- [35] Borgoni R., M. Cameletti, P. Quatto. Comparing Estimators of Animal Abundance: a Simulation Study. *Proceedings of the SIS Conference Statistica e Ambiente*, Messina (I), Sept. 21-23, 2005, Cleup Ed. - Padova, ISBN: 88-7178-531-2.
- [36] Borgoni R., M. Cameletti, P. Quatto. Resampling methods for bias reduction of animal density estimators in point transect sampling. *Proceedings of the S.Co. Conference Modelli Complessi e Metodi Computazionali Intensivi per la Stima e la Previsione*, Bressanone (I), Sept. 15-17, 2005, Cleup Ed. - Padova.
- [37] A. Fassò, O. Nicolis, M. Cameletti. A dynamical space-time calibration model for the airborne particular matter data. *Proceedings of the SCo Conference Modelli Complessi e Metodi Computazionali Intensivi per la Stima e la Previsione*, Bressanone (I), Sept. 15-17, 2005, Cleup Ed. - Padova.

- Other conference proceedings and posters

- [38] Franco Biondi, M. Cameletti. Space-Time Hierarchical Kriging Extension of Precipitation Variability at 12-km Spacing from Tree-Ring Chronologies *Proceedings of the Third International Workshop on Climate Informatics National Center for Atmospheric Research*, Boulder, Colorado (US), September 26-27, 2013.
- [39] M. Cameletti, R. Ignaccolo, S. Bande. Comparing air quality statistical models. *Proceedings of the TIES and GRASPA Conference Handling complexity and uncertainty in environmental studies*, Bologna (I), July 5-9, 2009.
- [40] S. Bande, M. Cameletti, A. Gelfand, S. Ghigo, R. Ignaccolo. Comparing air quality statistical models. Poster for the *3rd National Conference on Particulate Matters PM2008*, Lecce (Italy), 6-8 October 2008.
- [41] A. Fassò, M. Cameletti. Computer intensive procedures for mapping and modelling a spatio-temporal process and its uncertainty. *Proceeding of the TIES Conference Computational environmetrics*, Mikulov (CZ), August 16-20, 2007.
- [42] A. Fassò, O. Nicolis, M. Cameletti. A statistical approach to heterogeneous monitoring networks. *Proceedings of the Ecomondo Conference*, Rimini (I), Oct. 26-29, 2005.

- Books in Italian

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