Curriculum Vitae of Francesco Finazzi

Affiliation

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Personal data

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1. Current position

- From November 2019: associate professor at the Department of Management, Information and Production Engineering of the University of Bergamo.
- From 2012: research affiliate at the School of Mathematics and Statistics of the University of Glasgow.
- Member of the Academic Board of the PhD program in Engineering and Applied Sciences - University of Bergamo - Higher Education Doctoral School.

2. Previous positions

- From May 2016 to November 2019: researcher RTD-B at the Department of Management, Information and Production Engineering of the University of Bergamo.
- From May 2016 to November 2016: researcher RTD-A at the Department of Management, Information and Production Engineering of the University of Bergamo on the H2020 project “Gap Analysis for Integrated Atmospheric ECV CLImate Monitoring”.
- From May 2013 to April 2016: researcher RTD-A at the Department of Management, Economics and Quantitative Methods of the University of Bergamo on the national project “Statistical modelling of environmental phenomena: pollution, meteorology, health and their interactions”.
- From February 2009 to April 2013: post-doc at the Department of Information Engineering and Mathematical Methods of the University of Bergamo.

3. Training

- From November 2005 to October 2009: Ph.D. in applied statistics at the Department of Quantitative Methods for Economics and Business Sciences of the University of Milan-Bicocca with a thesis on “Statistical methods for the analysis of digital images and the identification of geometric shapes”.

- From September 2003 to September 2005: M.Sc. in Computer Engineering at the University of Bergamo.

- From September 2000 to January 2004: B.Sc. in Computer Engineering at the University of Bergamo.

4. Research activity

Participation in research projects

- 2019-2022: Horizon 2020 project "Real-time earthquake rIsk reduction for a ReSilient Europe". Principal investigator of the University of Bergamo unit.

- 2019-2022: Horizon 2020 project "Towards more Earthquake-resilient Urban Societies through a Multi-sensor-based Information System enabling Earthquake Forecasting, Early Warning and Rapid Response actions". Principal investigator of the University of Bergamo unit.

- 2017-2019: C3S-baseline and reference observation networks. European Centre for Medium-Range Weather Forecasts (ECMWF) – Copernicus Invitation to Tender (ITT) "C3S_311a - Lot 3".

- From 2013: "Earthquake Network - Crowdsourced smartphone-based Earthquake Early Warning system" www.earthquakenetwork.it. Principal investigator.

- 2016-2018: Horizon 2020 project "Gap Analysis for Integrated Atmospheric ECV CLImate Monitoring".

- 2013-2016: Italian FIRB project RBFR12URQJ: "Statistical modelling of environmental phenomena: pollution, meteorology, health and their interactions".

- 2009-2013: Research project "Methods for the integration of renewable energy sources and the satellite monitoring of the environmental impact".

Publications in journals and books

[1] Finazzi F, Paci L (2019) Kernel-based estimation of individual location densities from smartphone data. *Statistical Modelling*; doi:10.1177/1471082X17870331.

[2] Finazzi F, Paci L (2019) Quantifying personal exposure to air pollution from smartphone-based location data. *Biometrics*; doi: 10.1111/biom.13100.

[3] Finazzi F, Napier Y, Scott M, Hill A, Cameletti M (2019) A statistical emulator for multivariate model outputs with missing values. *Atmospheric Environment*; 199: 415-422.

[4] Cameletti M, Finazzi F (2018) Quantitative Methods in Environmental and Climate Research. Springer Nature Switzerland. ISBN: 978-3-030-01584-8.

[5] Finazzi F, Fassò A, Madonna F, Negri I, Sun B, Rosoldi M (2018) Statistical harmonization and uncertainty assessment in the comparison of satellite and radiosonde climate variables. *Environmetrics*; https://doi.org/10.1002/env.2528.

[6] Fassò A, Finazzi F, Madonna F (2018) Statistical issues in radiosonde observation of atmospheric temperature and humidity profiles. *Statistics & Probability Letters*; 136: 97-100

[7] Paci L, Finazzi F (2018) Dynamic model-based clustering for spatio-temporal data; *Statistics and Computing*; 28: 359-374.

[8] Finazzi F, Fassò A (2017) A statistical approach to crowdsourced smartphone-based earthquake early warning systems. *Stochastic Environmental Research and Risk Assessment*; 31: 1649-1658.

[9] Finazzi F (2016) How a smartphone network detects earthquakes in real time. *Significance*; doi: 10.1111/j.1740-9713.2016.00974.x.

[10] Fassò A, Finazzi F, Ndongo F (2016) European population exposure to airborne pollutants based on a multivariate spatio-temporal model. *Journal of Agricultural, Biological, and Environmental Statistics*; 21: 492-511.

[11] Cameletti M, Finazzi F (2016) An analysis of temporal and spatial patterns in Italian hospitalization rates for multiple diagnosis. *Spatial and Spatio-temporal Epidemiology*; 19: 37-45.

[12] Blangiardo M, Finazzi F, Cameletti M (2016) Two-stage Bayesian model to evaluate the effect of air pollution on chronic respiratory diseases using drug prescriptions. *Spatial and Spatio-temporal Epidemiology*; 18:1-12.

[13] Finazzi F (2016) The Earthquake Network project: towards a crowdsourced smartphone-based earthquake early warning system. *Bulletin of the Seismological Society of America*; 106: 1088-1099.

[14] Calculli C, Fassò A, Finazzi F, Pollice A, Turnone A (2015) Maximum likelihood estimation of the multivariate hidden dynamic geostatistical model with application to air quality in Apulia, Italy. *Environmetrics*; 26: 406–417.

[15] Gómez-Rubio V, Cameletti M, Finazzi F (2015) Analysis of massive marked point patterns with stochastic partial differential equations. *Spatial Statistics*; 14: 179-196.

[16] Finazzi F, Haggarty R, Miller C, Scott M, Fassò A (2015) A comparison of clustering approaches for the study of the temporal coherence of multiple time series. *Stochastic Environmental Research and Risk Assessment*; 20: 463-475.

[17] Finazzi F, Fassò A (2014) D-STEM: A Software for the Analysis and Mapping of Environmental Space-Time Variables. *Journal of Statistical Software*; 62: 1-29.

[18] Fassò A, Finazzi F (2013) A varying coefficients space-time model for ground and satellite air quality data over Europe. *Statistica & Applicazioni*. Special Issue 2013: 45-56.

[19] Finazzi F, Scott, M, Fassò A (2013) A model based framework for air quality indices and population risk evaluation. With an application to the analysis of Scottish air quality data. *Journal of the Royal Statistical Society - Series C*; 62: 287–308.

[20] Cameletti M, Finazzi F (2013) A GPU software library for likelihood-based inference of environmental models with large datasets. In Grigoletto M et al. (Ed's 2013) *Complex models and computational methods in statistics*, 51-62. Springer book - ISBN 978-88-470-2870-8.

[21] Finazzi F (2013) Geostatistical modeling in the presence of interaction between the measuring instruments, with an application to the estimation of market potentials. *Annals of Applied Statistics*; 7: 81-101.

[22]Finazzi F (2012) A comparison between the geostatistical potential model and the discrete choice logit models in the estimation of spatial market potentials. *Italian Journal of Applied Statistics*; 24: 321-344.

[23]Finazzi F (2012) A Bayesian approach to vectorization of object boundaries from digital images. *Applied Stochastic Models in Business and Industry*; 28: 448-466.

[24]Fassò A, Finazzi F (2011) Maximum likelihood estimation of the dynamic coregionalization model with heterotopic data. *Environmetrics*; 22: 735:748.

[25]Fassò A, Finazzi F (2010) Bayesian source detection and parameter estimation of a plume model based on sensor network measurements by C. Huang et al.: Discussion 1, Applied Stochastic Models in Business and Industry 2010; 26: 349–352.

Publications in conference proceedings

[26]Finazzi F, Paci L (2018) A comparison of statistical methods for estimating individual location densities from smartphone data. In O. Valenzuela et al. (Editors). Proceedings of the International Conference on Time Series and Forecasting. Granada, 19-21 September, 2018, ISBN 978-84-17293-57-4.

[27]Finazzi F, Paci L (2017) *Space-time clustering for identifying population patterns from smartphone data*. In A. Petrucci and R. Verde (Editors). Proceedings of the Conference of the Italian Statistical Society - Statistics and Data Science: new challenges, new generations. Florence, 28-30 July, 2017, ISBN 978-88-6453-521-0.

[28]Fassò A, Finazzi F, Ndongo F (2015) *Preliminary results on tapering multivariate spatio temporal models for exposure to airborne multipollutants in Europe*. Book of abstract of the CLADAG 2015 meeting, Santa Margherita di Pula, 8-10 October, 2015, ISBN 978-88-8467-949-9.

[29]Finazzi F, Scott M.E. (2015) *A novel model-based clustering approach for massive datasets of spatially registered time series. With application to sea surface temperature remote sensing data*. Book of abstract of the CLADAG 2015 meeting, Santa Margherita di Pula, 8-10 October, 2015, ISBN 978-88-8467-949-9.

[30]Finazzi F, Scott M.E. (2015) *Deriving minimal sea surface temperature monitoring networks from remote sensing data using coherency analysis*. Proceedings of the 60th ISI World Statistics Congress, Rio de Janeiro, 26-31 July, 2015, ISBN 978-90-73592-35-3.

[31]Fassò A, Finazzi F, Ndongo F, (2015) *Multivariate spatio temporal models for large datasets and joint exposure to airborne multipollutants in Europe*. In: A. Fassò and A. Pollice (Editors). Proceedings of the GRASPA2015 Conference, Bari, 15-16 June, 2015. Special issue of GRASPA Working Papers, ISSN 2037-7738.

[32]Finazzi F, Fassò A (2015) *Real-time detection of earthquakes through a smartphone-based sensor network*. In: A. Fassò and A. Pollice (Editors). Proceedings of the GRASPA2015 Conference, Bari, 15-16 June, 2015. Special issue of GRASPA Working Papers, ISSN 2037-7738.

[33]Fassò A, Finazzi F, Mahaki B, Rabiei K (2014) *Statistical analysis of water policies, air quality and climate in Isfahan*. Proceedings of the METMAVII – GRASPA 14 Conference, Torino, 10-12 September, 2014. Special issue of GRASPA Working Paper, ISSN 2037-7738.

[34]Finazzi F, Fassò A (2014) *Earthquake monitoring using volunteer smartphone-based sensor networks*. Proceedings of the METMAVII – GRASPA 14 Conference, Torino, 10-12 September, 2014. Special issue of GRASPA Working Paper, ISSN 2037-7738.

[35]Calculli C, Turnone A, Finazzi F, Fassò A (2014) *Jointly modelling air quality and meteorological variables using the D-STEM software*. Proceedings of the METMAVII – GRASPA 14 Conference, Torino, 10-12 September, 2014. Special issue of GRASPA Working Paper, ISSN 2037-7738.

[36]Berchialla P, Blangiardo M, Cameletti M, Finazzi F, Franco-Villoria M, Ignaccolo R (2014) *Spatial model for cardio-respiratory diseases hospital admission in Torino province*. Proceedings of the METMAVII – GRASPA 14 Conference, Torino, 10-12 September, 2014. Special issue of GRASPA Working Paper, ISSN 2037-7738.

[37]Berchialla P, Blangiardo M, Cameletti M, Finazzi F, Franco-Villoria M, Ignaccolo R (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 (Ed's), Proceedings of the 47th Scientific Meeting of the Italian Statistical Society, Cagliari, 11-13 June, 2014. CLUEC editore, pp 1-6, ISBN 978-88-8467-874-4.

[38]Blangiardo M, Cameletti M, Finazzi F (2014) *Assessing the Effect of Air Pollution on Human Health Using Drug Sales Data*. In JSM Proceedings, Statistics and the Environment Section. Alexandria, VA: American Statistical Association, pp 261-266, ISBN 978-0-9839375-3-1.

[39]Calculli C, Turnone A, Finazzi F, Pollice A, Morabito A (2014) *Model based spatio-temporal analysis and mapping of apulia air quality data*. In: C. Belviso, S. Fiore and M.L. Giannossi (Editors). International Conference on Atmospheric Dust, DUST 2014, Castellaneta Marina, Italy. Digilabs Pub., Bari, Italy, pp 483, ISBN 978-88-7522-095-2.

[40] Fassò A, Finazzi F (2014) *Model based distribution of human exposure to airborne particulate matters*. In: C. Belviso, S. Fiore and M.L. Giannossi (Editors). International Conference on Atmospheric Dust, DUST 2014, Castellaneta Marina, Italy. Digilabs Pub., Bari, Italy, pp 483, ISBN 978-88-7522-095-2.

[41]Finazzi F, Miller C, Scott M.E (2013) *A model-based clustering approach for the analysis of environmental time series*. In Muggeo V.M.R. et al. (Ed's 2013), Proceedings of the 28th International Workshop on Statistical Modelling, Vol. 1, 145-150, ISBN 978-88-96251-47-8.

[42]Finazzi F, Scott M.E, Miller C (2013) *The estimation of latent temporal patterns in multivariate geolocated time series*. In Brentari E., Carpita M. (Ed's 2013), Advances in Latent Variables. Vita e Pensiero editor, Milan, Italy, ISBN 978 -88-343-2556-8.

[43]Miller C, Scott M.E, Finazzi F, Haggarty R (2013) *Coherency in space of lake and river temperature and water quality records*. In Brentari E., Carpita M. (Ed's 2013), Advances in Latent Variables. Vita e Pensiero editor, Milan, Italy, ISBN 978 -88-343-2556-8.

[44]Finazzi F, Fassò A (2012) D-STEM - *A statistical software for multivariate space-time environmental data modeling*. In Goncalves A.M. et al. (Ed's 2012), Proceedings of the International Workshop on Spatio-Temporal Modelling (METMA VI), ISBN 978-989-97939-0-3.

[45]Fassò A, Finazzi F (2012) *Spatio temporal models for dynamic mapping of exposure to air borne pollution and assessment of environmental policies*. In Goncalves A.M. et al. (Ed's 2012), Proceedings of the International Workshop on Spatio-Temporal Modelling (METMA VI), ISBN 978-989-97939-0-3.

[46]Finazzi F (2012) *A statistical model for spatial point aggregated data. The geostatistical potential model*. In Komarek A et al. (Ed's 2012), Proceedings of the 27th International Workshop on Statistical Modelling. Prague, 16-20 July 2012. Tribun EU editor, ISBN 978-80-263-0250-6.

[47]Finazzi F, Cameletti M (2011) *GPU algorithms for the estimation of environmental models based on large datasets*. Proceedings of the 7th SCo Conference. Padova, 19-21 September 2011. CLEUP Editrice, ISBN 978-88-6129-753-1

[48]Finazzi F, Fassò A and Scott M.E (2011) *The dynamic coregionalization model in air quality risk assessment*. Proceedings of International Statistical Institute World Statistics Congress.

[49]Finazzi F, Scott M.E and Fassò A (2011) *A multivariate space-time model for heterogeneous air quality networks*. In Conesa D et al. (Ed's 2011), Proceedings of the 26th International Workshop on Statistical Modelling, ISBN 978-84-694-5129-8.

[50]Finazzi F, Fassò A (2011) *EM estimation of the Dynamic Coregionalization Model with varying coefficients*. In Cafarelli B (Ed's 2011) Spatial Data Methods for Environmental and Ecological Processes - 2nd Edition, ISBN 978-88-96025-1-2.

[51]Fassò A, Finazzi F and Bevilacqua M (2011) *Tapering spatio temporal models*. In Cafarelli B (Ed's 2011) Spatial Data Methods for Environmental and Ecological Processes - 2nd Edition, ISBN 978-88-96025-1-2.

[52]Finazzi F, Fassò A (2011) *Spatio-temporal modeling and remote sensing for a common European air quality assessment method*. In De Zorzi S (Ed's 2011), Proceedings of From Space to Earth conference, ISBN 978-88-8940-151-9.

[53]Fassò A, Finazzi F (2010) *Statistical mapping of air quality by remote sensing. Uncertainty and sensitivity to missing data*. In Tate N et al. (Ed's 2010), Proceedings of the Accuracy2010 conference, pp 277-280.

[54]Fassò A, Finazzi F (2010) *The dynamic coregionalization model with application to air quality remote sensing*. In Bowman A (Ed's 2010), Proceedings of International Workshop on Statistical Modelling 2010, pp 195-200.

[55]Fassò A, Finazzi F (2010) *Air quality mapping using the dynamic coregionalization model*. Proceedings of 45th Scientific Meeting of the Italian Statistical Society, ISBN 978-88-6129-566-7.

[56]Fassò A, Finazzi F, Pezzetti G., Lamperti R (2009) *Statistical monitoring of high speed railways*. Proceedings of Geoitalia 2009. Epitome, 3/2009. ISSN 1972-1552.

Participation in conferences as speaker

- Finazzi F, Paci L. Modeling smartphone app data for learning time-varying individual location densities. ITISE 2018 Conference. Granada, 19-21 September 2018

- Finazzi F, Cameletti M, Borisova Y, Scott M, Hills A. Multivariate emulators for city-level air quality management. TIES2018 conference. Guanajuato, 16-21 July 2018

- Finazzi F, Cameletti M, Borisova Y, Scott M, Hills A. *Multivariate statistical emulators for city-level air quality management*. SIS 2018 Statistical Conference. Palermo, 20-22 June 2018

- Finazzi F, Fassò A, Madonna F. *Uncertainty assessment of co-located radiosonde and remote sensing proles by harmonisation*. TIES2017 conference. Bergamo, 24-26 July 2017

- Finazzi F, Paci L. *Space-time clustering for identifying population patterns from smartphone data*. SIS 2017 Statistical Conference. Florence, 28-30 July 2017

- Finazzi F, Fassò A. *Real-Time Earthquake Detection Using Smartphones. Your Smartphone*. Joint Statistical Meeting 2017. Baltimore, 29 July – 3 August 2017

- Finazzi F. *The Earthquake Network Project: crowdsourced smartphone-based earthquake early warning*. First National Citizen Science Conference. Rome, 24 November 2017

- Finazzi F, Fassò A. *Earthquake epicentre location in a dense sensor network of smartphones*. TIES2016 conference. Edinburgh, 18-22 July 2016

- Finazzi F, Fassò A. *Functional data methods for uncertainty analysis of atmospheric measurements*. Conference of the Royal Statistical Society. Manchester, 5-8 September 2016

- Paci L, Finazzi F. *Dynamic clustering for spatiotemporal data*. BAYSM 2016 conference. Florence, 19-21 June 2016

- Finazzi F, Scott M. *Analysis of coherency in sea surface water temperature using model-based clustering*. TIES2015 conference. Al Ain, 22-25 November 2015

- Finazzi F, Scott M. *A novel model-based clustering approach for massive datasets of spatially registered time series. With application to sea surface temperature remote sensing data*. CLADAG2015 conference. Marina di Pula, 8-10 October 2015

- Finazzi F, Cameletti M. *Identification of spatio-temporal patterns in Italian hospitalization rates using time series and cluster analysis*. Geomed conference. Florence, 10-12 September 2015

- Finazzi F, Scott M. *Deriving minimal sea surface temperature monitoring networks from remote sensing data using coherency analysis*. 60th World Statistics Congress - ISI2015. Rio de Janeiro, 26-31 July 2015

- Finazzi F, Fassò A. *Real-time detection of earthquakes through a smartphonebased sensor network*. GRASPA 2015 conference. Bari, 15-16 June 2015

- Finazzi F, Fassò A. *A volunteer smartphone-based sensor network for real time detection of earthquakes*. Seismomatic conference. Valparaiso, 5-9 January 2015

- Finazzi F, Scott M.E, Fassò A. *A model based framework for air quality indices and population risk evaluation. With an application to the analysis of Scottish air quality data*. RSS 2013 International Conference. Newcastle, 3-5 September 2013

- Finazzi F, Scott M.E, Miller C, Fassò A. *A model-based clustering approach for the analysis of environmental time series*. IWSM 2013. Palermo, 8-12 July 2013

- Finazzi F, Scott M.E, Miller C. *The estimation of latent temporal patterns in multivariate geolocated time series*. SIS 2013 Statistical Conference. Brescia, 19-21 June 2013

- Finazzi F, Scott M.E. *A novel model-based clustering approach for the study of the temporal coherence of environmental time series*. TIES2013 conference. Anchorage, 10-14 June 2013

- Finazzi F, Miller C, Scott M.E. *A novel approach for the study of the temporal coherence of global time series*. The 1st GloboLakes Scientific Workshop. Stirling, 10-12 December 2012

- Finazzi F, Fassò A. D-STEM - *A statistical software for multivariate space-time environmental data modeling*. METMA VI conference. Guimaraes, 12-14 September 2012

- Fassò A, Finazzi F. *Spatio temporal models for dynamic mapping of exposure to air borne pollution and assessment of environmental policies*. METMA VI conference. Guimaraes, 12-14 September 2012

- Finazzi F. *A statistical model for spatial point aggregated data. The geostatistical potential model.* IWSM'27 conference. Prague, 16-20 July 2012

- Finazzi F, Fassò A. *Mapping population exposure and risk to airborne pollutants over large areas using ground level and satellite data*. ISBIS2012 conference. Bangkok, 17-21 June 2012

- Finazzi F, Fassò A. *Mappatura dinamica di esposizione e rischio della popolazione rispetto all'inquinante atmosferico PM10*. PM2012 conference. Perugia, 16-18 May 2012

- Fassò A, Finazzi F. *A multivariate spatio-temporal calibration model with space-time varying coefficients for the air quality assessment using remote sensing and ground level multipollutant data*. TIES2012 conference. Hyderabad, 3-6 January 2012

- Finazzi F, Cameletti M. *GPU algorithms for the estimation of environmental models based on large datasets*. 7th SCo Conference. Padova, 19-21 September 2011

- Finazzi F, Fassò A. *EM estimation of the Dynamic Coregionalization Model with varying coefficients*. Spatial 2 conference. Foggia, 1-2 September 2011

- Finazzi F, Fassò A and Scott M.E. *The dynamic coregionalization model in air quality risk assessment*. International Statistical Institute World Statistics Congress. Dublin, 21-26 August 2011

- Finazzi F, Scott M.E and Fassò A. *A multivariate space-time model for heterogeneous air quality networks*. IWSM 2011 conference. Valencia, 11-15 July 2011

- Finazzi F, Fassò A. *Spatio-temporal modeling and remote sensing for a common European air quality assessment method*. From Space to Earth conference. Venice, 21-23 March 2011

- Fassò A, Finazzi F. *Statistical mapping of air quality by remote sensing. Uncertainty and sensitivity to missing data*. Accuracy2010 conference. Leicester, 20-23 July 2010

- Finazzi F. *A Bayesian Approach to the Vectorization of Objects Boundaries from Digital Images*. ISBIS 2010 conference. Portoroz, 5-9 July 2010

- Finazzi F, Fassò A. *Applying the Dynamic Coregionalization Model to Particulate Matters Mapping Using Satellite Data*. ISBIS 2010 conference. Portoroz, 5-9 July 2010

- Fassò A, Finazzi F, D'Ariano C. *Integrating satellite and ground level data for air quality monitoring and dinamica mapping*. SIS2009 conference. Pescara, 23-25 September 2009

- Fassò A, Finazzi F, D'Ariano C. *Estimation of hierarchical spatio-temporal coregionalization models with the EM algorithm*. TIES2009 conference. Bologna, 5-9 July 2009

- Finazzi F., Fassò A., Brugali D. *Empirical modeling of uncertainty in vision system for industrial robotic applications*. ENBIS-6 conference. Wroclaw, September 2006

Visiting periods

- October - November 2017: University of Glasgow. School of Mathematics and Statistics. Supervisor Prof. Marian Scott. Project: functional emulators for complex space-time variables.

- October - December 2015: University of Glasgow. School of Mathematics and Statistics. Supervisor Prof. Marian Scott. Project: high dimensional emulators for the Atmospheric Dispersion Modelling System.

- November – December 2014: University of Glasgow. School of Mathematics and Statistics. Supervisor Prof. Marian Scott. Project: statistical models for sensors networks.

- November – December 2013: University of Glasgow. School of Mathematics and Statistics. Supervisor Prof. Marian Scott. Project: analysis of temporal coherence of sea surface temperature at global scale.

- September – October 2012: University of Glasgow. School of Mathematics and Statistics. Supervisor Prof. Marian Scott. Project: state-space models for the analysis of the coherence of time series.

- April – May 2011: University of Glasgow. School of Mathematics and Statistics. Supervisor Prof. Marian Scott. Project: latent global air quality indicators for Scotland.

- January – March 2011: University of Glasgow. Department of Statistics. Supervisor Prof. Marian Scott. Project: multi-pollutant population exposure and risk evaluation with measures of uncertainty.

Organization of conferences

- July 2017: member of the local and scientific committees of the TIES-GRASPA 2017 conference in Bergamo (24-26 July 2017).

- June 2015: member of the organizing and scientific committees of the GRASPA 2015 conference in Bari (15-16 June 2015).

- September 2014: member of the organizing committee of the Joint meeting METMA VII - GRASPA14 in Turin (10-12 September 2014).

- Member of the scientific committee of the 17th European Young Statisticians Meeting in Lisbon (5-9 September 2011).

Statistical software development

- D-STEM (Distributed Space Time Expectation Maximization) - https://github.com/graspa-group/d-stem

- GPU4GL (GPU for Gaussian Likelihood) - http://code.google.com/p/gpu4gl/

Membership in scientific societies

- International Statistical Institute (ISI)
- Società Italiana di Statistica (SIS)
- The International Environmental Society (TIES)
- Research Group for Statistical Applications to Environmental Problems (GRASPA).

5. University teaching assignments

- From academic year 2016/2017 to present: course of foundations of biostatistics - 6 CFU, B.Sc. degree in Engineering of Health Technologies. University of Bergamo.

- From academic year 2013/2014 to 2015/2016: course of statistics – 9 CFU, B.Sc. degree in business economics.

6. Computer skills

- Statistical software: R and Matlab.
- Software and parallel computing architectures: Matlab - Parallel Computing Toolbox, CUDA (GPU), Spark.
- Operating systems: Windows and Unix.
- Programming languages: C++, Pascal, Java, Delphi, SQL, PHP, Node.js.

Dalmine, 25/03/2020

Francesco Finazzi