

Dichiarazione del Prof. Ing. Luca Ferraris
ai fini del d.lgs. n. 33/2013 e d.lgs. n. 39/2013

Dichiaro che:

1. Sono stato nominato in rappresentanza del Rettore dell'Università degli Studi di Genova con lettera rettorale protocollo n 84191 del 29.11.2016 membro del Consiglio di Amministrazione di Fondazione CIMA, ed eletto Presidente di Fondazione CIMA nella seduta del Consiglio di Amministrazione del 16.12.2016. Non ricorrono cause di incompatibilità ed inconfiribilità.

2. La nomina sopra ricordata prevede una durata dell'incarico quinquennale e quindi scadenza nell'anno 2022.

3. Il mio curriculum sintetico è disponibile nel sito di Fondazione all'indirizzo http://www.cimafoundation.org/wp-content/uploads/cv/Ferraris_it.pdf e qui si riporta in forma sintetica. Ingegnere per l'Ambiente e Territorio, dottore di ricerca in metodi e tecnologie per il monitoraggio ambientale, professore aggregato di ingegneria dell'Università degli Studi di Genova. Docente del corso di meccanica dei fluidi e costruzioni idrauliche nella laurea in ingegneria Industriale dell'Università degli Studi di Genova. Esperto in sistemi di protezione civile, in idro-meteorologia con particolare attenzione alla previsione e prevenzione delle piene improvvise. Responsabile Scientifico dei compiti, delle funzioni e dei servizi di Fondazione Cima in qualità di Centro di Competenza del Sistema Nazionale di Protezione Civile. Membro del Comitato Editoriale della rivista internazionale "Natural Hazards and Earth System Sciences – NHESS". Autore e co-autore di più di 100 articoli scientifici.

4. Il compenso, deliberato dal Consiglio di Amministrazione in data 30.01.2017, per le attività di sviluppo della Fondazione di ricerca CIMA, è stato attribuito in conformità all'Accordo Quadro tra Università degli Studi di Genova e Fondazione CIMA ed alle disposizioni di cui alla Legge 240 del 2010 articolo 6 comma 10 ed ammonta nel 2017 ad euro 60.000,00 euro anno oltre IVA ed oneri previdenziali, oltre la concessione uso promiscuo della autovettura che costituisce compenso accessorio in natura calcolato ai sensi dell'art. 51, co. 4, TUIR.

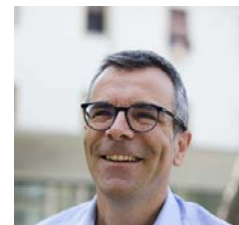
5. Non ricopro altre cariche.

6. La mia situazione patrimoniale (ex L. 441/82) emerge dalla dichiarazione UNICO 2016 per i redditi 2015 dalla quale si evince un imponibile lordo complessivo di euro 81.047,00 nonché la proprietà ivi dichiarata di un immobile sito in Calice Ligure (SV). Per quanto riguarda Lilia Morena Barzagli, mia coniuge convivente, la situazione patrimoniale emerge dalla sua dichiarazione CUD 2016 per i redditi 2015. Entrambi i figli non hanno redditi, sono al 100% a mio carico e convivono con me.

Savona, 01.02.2017

Prof. Ing. Luca Ferraris





Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Luca Ferraris**
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E-mail(s) luca.ferraris@unige.it ; luca.ferraris@cimafoundation.org
Nationality Italian
Date of birth 10 May 69
Gender Male

Work experience

Dates Dec 16 →
Occupation or position held President at CIMA Research Foundation
Main activities and responsibilities CEO
Name and address of employer CIMA Research Foundation
Via Magliotto 2, 17100 Savona (Italy)
Type of business or sector Research, scientific and technical activities, education

Dates Nov 00 →
Occupation or position held Assistant Professor at the University of Genova
Main activities and responsibilities Research and Teaching courses (M.Sc.) Fluid Mechanics, Hydrometeorology, Climate Change (B.Eng.) and Hydraulic Structure for Engineering students.
Name and address of employer Università degli Studi di Genova
Via Balbi 5, 16100 Genova (Italy)
Type of business or sector Education and Research

Dates Apr 21 →
Occupation or position held Coordinator of the Curriculum "Risk, Climate Change and Sustainable Development" of the Ph.D. Program in Security, Risk and Vulnerability at the University of Genova
Main activities and responsibilities Exec Board
Name and address of employer Università degli Studi di Genova
Via Balbi 5, 16100 Genova (Italy)
Type of business or sector Education and Research

Dates Oct 17 →
Occupation or position held Member of Major Risks National Committee - Commissione Nazionale per la previsione e prevenzione dei Grandi Rischi
Main activities and responsibilities Scientific and Technical evaluation

Name and address of employer	Presidenza del Consiglio dei Ministri – Dipartimento della Protezione Civile Via Ulpiano 11 , 00193 Roma (Italy)
Type of business or sector	Scientific activities
Dates	Dec 19 →
Occupation or position held	Member of the board of directors - Centro Italiano per la Ricerca sulla Riduzione dei Rischi – CI3R
Main activities and responsibilities	board of directors
Name and address of employer	Centro Italiano per la Ricerca sulla Riduzione dei Rischi – CI3R Via Properzio 5 , 00193 Roma (Italy)
Type of business or sector	Scientific and Research activities
Dates	Nov 09 → Jan 20
Occupation or position held	Member of Editorial Board of the International Journal “Natural Hazards and Earth System Sciences – NHESS”
Main activities and responsibilities	Editor
Name and address of employer	Copernicus Gesellschaft mbH Bahnhofsallee 1e 37081 Göttingen Germany
Type of business or sector	Research
Dates	2006-2007
Occupation or position held	Deputy -President of Environmental Engineering Course
Main activities and responsibilities	Chairmanship
Name and address of employer	Environmental Engineering - University of Genova Via Magliotto 2, 17100 Savona (Italy)
Type of business or sector	Education
Dates	2004-2006
Occupation or position held	Board of Directors of Interuniversity Environmental Monitoring Centre
Main activities and responsibilities	Chairmanship
Name and address of employer	Interuniversity Environmental Monitoring Centre Via Cadorna 7, 17100 Savona (Italy)
Type of business or sector	Research
Education and training	
Dates	Nov 97 - Dec 00
Title of qualification awarded	Ph.D. in Environmental Engineering
Principal subjects / occupational skills covered	Hydrometeorology, Natural hazards management
Name and type of organisation providing education and training	University of Basilicata Via N. Sauro,85 -(85100) Potenza - Italy
Level in national or international classification	ISCED 6
Dates	1989 - 1994
Title of qualification awarded	Master of SC - Environmental Engineering
Principal subjects / occupational skills	Environmental Engineering

covered

Name and type of organisation providing education and training
Università degli Studi di Genova . Facoltà di Ingegneria (University)
Via Balbi 5, 16100 Genova (Italy)

Level in national or international classification
ISCED 5

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment
European level ()*

English

Understanding				Speaking				Writing		
Listening		Reading		Spoken interaction		Spoken production				
B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences
Exercised teaching and communication skills. Excellent ability of dealing with public talks and exposition.

Organisational skills and competences
Great ability of relations with other people and of team building as well as a natural recognized leadership.
Skills in managing large complex project: scheduling, human and financial resources, criticality analysis.

Technical skills and competences
Exceptional skill in critical reasoning and Problem solving.

Computer skills and competences
Database : Advanced
Internet/Mail: Advanced
Presentation tools: Advanced
Spreadsheet: Advanced
Text processing: Advanced

Driving licence(s) A, B, BE

Additional information

Since 2000 Experience as Scientific Director of a large number of projects.
Since 2008 Experience in Development Cooperation in Civil Protection and Risk Reduction for United Nations Development Programme (UN-DP) and the Italian Ministry of Foreign Affairs in the Caribbean Region, Guatemala, Lebanon, Sudan, Balcanic Region.

Annexes

Selected Publications:

1. APICELLA, L.; PUCA, S.; LAGASIO, M.; MERONI, A. N.; MILELLI, M.; VELA, N.; GARBERO, V.; FERRARIS, L. (2021) The predictive capacity of the high resolution weather research and forecasting model: a year-long verification over Italy. DOI:10.1007/s42865-021-00032-x. pp.1-14. In BULLETIN OF ATMOSPHERIC SCIENCE AND TECHNOLOGY - ISSN:2662-1495 vol. 2.
2. PULVIRENTI, LUCA; SQUICCIARINO, GIUSEPPE; FIORI, ELISABETTA; FERRARIS, LUCA; PUCA, SILVIA (2021). A Tool for Pre-Operational Daily Mapping of Floods and Permanent Water Using Sentinel-1 Data. DOI:10.3390/rs13071342. pp.1-29. In REMOTE SENSING - ISSN:2072-4292 vol. 13.
3. PULVIRENTI, L.; SQUICCIARINO, G.; FIORI, E.; FIORUCCI, P.; FERRARIS, L.; NEGRO, D.; GOLLINI, A.; SEVERINO, M.; PUCA, S. (2020). An automatic processing chain for near real-time mapping of burned forest areas using sentinel-2 data. DOI:10.3390/rs12040674. pp.1-27. In REMOTE SENSING - ISSN:2072-4292 vol. 12.

4. ALTAMURA, M.; AMATO, D.; FERRARIS, L. (2019) Casi e questioni in tema di Protezione civile. pp.49-58. In *La Protezione civile nella società del rischio. Il sistema di protezione civile: profili organizzativi, poteri ed ipotesi di responsabilità penale degli operatori* - ISBN:978-884675685-5
5. SILVESTRO, F.; ROSSI, L.; CAMPO, L.; PARODI, A.; FIORI, E.; RUDARI, R.; FERRARIS, L. (2019) Impact-based flash-flood forecasting system: Sensitivity to high resolution numerical weather prediction systems and soil moisture. DOI:10.1016/j.jhydrol.2019.02.055. pp.388-402. In *JOURNAL OF HYDROLOGY* - ISSN:0022-1694 vol. 572.
6. SILVESTRO, F.; PARODI, A.; CAMPO, L.; FERRARIS, L. (2018) Analysis of the streamflow extremes and long-term water balance in the Liguria region of Italy using a cloud-permitting grid spacing reanalysis dataset. DOI:10.5194/hess-22-5403-2018. pp.5403-5426. In *HYDROLOGY AND EARTH SYSTEM SCIENCES* - ISSN:1607-7938 vol. 22.
7. BRACCO, F.; MODAFFERI, C.; FERRARIS, L. (2018). The role of media in community resilience: Hindsight bias in media narratives after the 2014 Genoa flood. DOI:10.2478/gssfj-2018-0007. pp.128-151. In *GEOPOLITICAL, SOCIAL SECURITY AND FREEDOM JOURNAL* - ISSN:2587-3326 vol. 1.
8. ARRIGHI C.; ROSSI L.; TRASFORINI E.; RUDARI R.; FERRARIS L.; BRUGIONI M. (2017). Quantification of flood risk mitigation benefits: A building-scale damage assessment through the RASOR platform. DOI:10.1016/j.jenvman.2017.11.017. pp.92-104. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT* - ISSN:0301-4797 vol. 207.
9. PARODI A.; FERRARIS L.; GALLUS W.; MAUGERI M.; MOLINI L.; SICCARDI F. (2017) Ensemble cloud-resolving modelling of a historic back-building mesoscale convective system over Liguria: The San Fruttuoso case of 1915. DOI:10.5194/cp-13-455-2017. pp.455-472. In *CLIMATE OF THE PAST* - ISSN:1814-9324 vol. 13.
10. BRACCO F.; MODAFFERI C.; FERRARIS L. (2017). Piove, governo ladro. emozioni e cognizione nell'analisi dei rischi a seguito di un evento alluvionale. DOI:10.1422/87758. pp.351-370. In *SISTEMI INTELLIGENTI* - ISSN:1120-9550 vol. 2.
11. FIORI, E; FERRARIS, L.; MOLINI, L.; SICCARDI, F.; KRANZLMUELLER, D.; PARODI, A (2017). Triggering and evolution of a deep convective system in the Mediterranean Sea: Modelling and observations at a very fine scale. DOI:10.1002/qj.2977. pp.1-36. In *QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY* - ISSN:0035-9009.
12. ALTAMURA M., FERRARIS L. (2016). La Protezione civile nella società del rischio. La responsabilità del Sistema e dei diversi attori nelle prospettive di riforma legislativa. pp.61-71. In *La Protezione civile nella società del rischio. La responsabilità del Sistema e dei diversi attori nelle prospettive di riforma legislativa* - ISBN:978-884674486-9 vol. 3
13. REBORA N, SILVESTRO F., RUDARI R., HEROLD C., FERRARIS L. (2016). Downscaling stream flow time series from monthly to daily scales using an auto-regressive stochastic algorithm: StreamFARM. *JOURNAL OF HYDROLOGY*, vol. 537, p. 297-310, ISSN: 0022-1694, doi: 10.1016/j.jhydrol.2016.03.015.
14. BONI G., FERRARIS L., PULVIRENTI L., SQUICCIARINO G., PIERDICCA N., CANDELA L., PISANI A. R., ZOFFOLI S., ONORI R., PROIETTI C., PAGLIARA P. (2016). A Prototype System for Flood Monitoring Based on Flood Forecast Combined with COSMO-SkyMed and Sentinel-1 Data. *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, vol. 9(6), p. 2794-2805, ISSN: 1939-1404, doi: 10.1109/JSTARS.2016.2514402.
15. ALTAMURA M., FERRARIS L. (2015), La catena di comunicazione del rischio, pp 110-111, ISSN 2039-0424.
16. SILVESTRO, F., REBORA, N., CUMMINGS, G., FERRARIS, L. (2015), Experiences of dealing with flash floods using an ensemble hydrological nowcasting chain: implications of communication, accessibility and distribution of the results. *Journal of Flood Risk Management*. doi: 10.1111/jfr3.12161.
17. PULVIRENTI, L.; N. PIERDICCA; G. BONI; M. FIORNI; R. RUDARI; L. FERRARIS (2014), Combined use of COSMO-SkyMed derived products and hydrodynamic models to produce physically-based maps of flood extent, *Proc. SPIE 9243, SAR Image Analysis, Modeling, and Techniques XIV, 92431C*; doi: 10.1117/12.2068307.
18. FERRARIS L. et al. (2013), *Civil Protection and Responsibility in the Society of Risk*, edited by the Department of Civil Protection and CIMA Research Foundation and published by

Edizioni ETS.

19. SILVESTRO F, REBORA N, FERRARIS L (2012). Quantitative Flood Forecasting on Small and Medium Size Basins: a Probabilistic Approach for Operational Purposes. JOURNAL OF HYDROMETEOROLOGY, ISSN: 1525-755X, doi: 10.1175/JHM-D-10-05022.1
20. ALTAMURA M, FERRARIS L, MIOZZO D, MUSSO L, SICCARDI F (2011). The legal status of Uncertainty. NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol. 11, p. 797-806, ISSN: 1561-8633, doi: 10.5194/nhess-11-797-2011
21. METTA S, HARDENBERG J, FERRARIS L., REBORA N, AND PROVENZALE A (2009). Precipitation nowcasting by a spectral-based nonlinear stochastic model. JOURNAL OF HYDROMETEOROLOGY; p. 1285-1297, ISSN: 1525-755X, doi: 10.1175/2009JHM1120.1
22. SILVESTRO, F, REBORA N, FERRARIS L. (2009). An algorithm for real-time rainfall rate estimation by using polarimetric radar: RIME. JOURNAL OF HYDROMETEOROLOGY, vol. 10; p. 227-240, ISSN: 1525-755X, doi: 10.1175/2008JHM1015.1
23. BRUSSOLO E, FERRARIS L., HARDENBERG J, REBORA N, PROVENZALE A (2008). Verification of Quantitative Precipitation Forecasts by Stochastic Downscaling. JOURNAL OF HYDROMETEOROLOGY, vol. 9; p. 1084-1094, ISSN: 1525-755X, doi: 10.1175/2008JHM994.1
24. BAUDENA M, BONI G, FERRARIS L., HARDENBERG J. H, PROVENZALE A (2007). Vegetation response to rainfall intermittency in drylands: Results from a simple ecohydrological box model. ADVANCES IN WATER RESOURCES, vol. 30; p. 1320-1328, ISSN: 0309-1708, doi: 10.1016/j.advwatres.2006.11.006
25. BONI G, FERRARIS L., GIANNONI G, ROTH G, RUDARI R (2007). Flood probability analysis for un-gauged watersheds by means of a physically based hydrologic model. ADVANCES IN WATER RESOURCES, vol. 30; p. 2135-2144, ISSN: 0309-1708, doi: 10.1016/j.advwatres.2006.08.009
26. GABELLANI G, BONI G, FERRARIS L., HARDENBERG J. H, PROVENZALE A (2007). Propagation of uncertainty from rainfall to runoff: A case study with a stochastic rainfall generator. ADVANCES IN WATER RESOURCES, vol. 30; p. 2061-2071, ISSN: 0309-1708, doi: 10.1016/j.advwatres.2006.11.015
27. HARDENBERG J, FERRARIS L., REBORA N, PROVENZALE A (2007). Meteorological uncertainty and rainfall downscaling. NONLINEAR PROCESSES IN GEOPHYSICS, vol. 14; p. 193-199, ISSN: 1023-5809
28. MONTOPOLI, M, F.S. MARZANO, G. VULPIANI, A. FORNASIERO, P.P. ALBERONI, FERRARIS L., AND N. REBORA (2006). Spatial characterization of raincell horizontal profiles from C-band radar measurements at mid-latitude. ADVANCES IN GEOSCIENCES, vol. 7; p. 285-292, ISSN: 1680-7359
29. REBORA N., FERRARIS L. (2006). The structure of convective rain cells at mid-latitudes. ADVANCES IN GEOSCIENCES, vol. 7; p. 31-35, ISSN: 1680-7359
30. REBORA N, FERRARIS L., HARDENBERG J. H, PROVENZALE A (2006). RainFARM: Rainfall Downscaling by a Filtered AutoRegressive Model. JOURNAL OF HYDROMETEOROLOGY, vol. 7 (4); p. 724-738, ISSN: 1525-755X, doi: 10.1175/JHM517.1
31. REBORA, N, FERRARIS L., J. HARDENBERG, AND A. PROVENZALE (2006). Rainfall downscaling and flood forecasting: a case study in the Mediterranean area. NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol. 6; p. 611-619, ISSN: 1561-8633
32. FORNASIERO A., AMORATI R., ALBERONI P.P., FERRARIS L., TARAMASSO A.C. (2005). A method to remove effects of radar beam interaction with the ground in various propagation conditions. impact on data quality. ADVANCES IN GEOSCIENCES, vol. 2; p. 201-208, ISSN: 1680-7359
33. REBORA N., FERRARIS L., VON HARDENBERG J., PROVENZALE A (2005). Stochastic downscaling of LAM predictions: an example in the Mediterranean area. ADVANCES IN GEOSCIENCES, vol. 2; p. 181-185, ISSN: 1680-7359
34. SICCARDI F., BONI G., FERRARIS L., RUDARI R. (2005). A hydro-meteorological approach for Probabilistic Flood Forecast. JOURNAL OF GEOPHYSICAL RESEARCH. ATMOSPHERES, vol. 110,, ISSN: 0148-0227
35. SILVESTRO F., FERRARIS L., REBORA N., MORANDO M., ALBERONI P.P., FORNASIERO A. (2005). Clutter and rainfall discrimination by means of doppler-polarimetric measurements and vertical reflectivity profile analysis. ADVANCES IN

GEOSCIENCES, vol. 2; p. 135-138, ISSN: 1680-7359

36. PARODI U., FERRARIS L. (2004). Influence of stage discharge relationships on the annual maximum discharge statistics. NATURAL HAZARDS, vol. 31; p. 603-611, ISSN: 0921-030X
37. FERRARIS L., GABELLANI S., PARODI U., REBORA N., HARDENBERG J. H., A. PROVENZALE (2003). Revisiting Multifractality in Rainfall Fields. JOURNAL OF HYDROMETEOROLOGY, vol. 4; p. 544-551, ISSN: 1525-755X
38. FERRARIS L., GABELLANI S., REBORA N., PROVENZALE A. (2003). A comparison of stochastic models for spatial rainfall downscaling. WATER RESOURCES RESEARCH, vol. 39(12),, ISSN: 0043-1397
39. VON HARDENBERG J., FERRARIS L., PROVENZALE A. (2003). The Shape of Convective Rain Cells. GEOPHYSICAL RESEARCH LETTERS, vol. 30, 24,, ISSN: 0094-8276
40. FERRARIS L., RUDARI R., SICCARDI F. (2002). The uncertainty in the prediction of flash floods in the northern Mediterranean Environment. JOURNAL OF HYDROMETEOROLOGY, vol. 3; p. 714-727, ISSN: 1525-755X
41. FERRARIS L., REALE O., TURATO B. (2000). Synoptic and hydrological analysis of a flood event. PHYSICS AND CHEMISTRY OF THE EARTH. PART B: HYDROLOGY, OCEANS AND ATMOSPHERE, vol. 26(9); p. 655-661, ISSN: 1464-1909.