



Curriculum Vitae of Mariani Luigi

Photo



Education

He graduated in Agricultural Sciences in 1981 at the University of Milano.

Professional experiences

Luigi Mariani is a Senior agrometeorologist with experience in applied meteorology, climatology and mathematical modeling of agro-ecosystems. His previous professional experience includes: 1987 – 2001: manager of the Agrometeorological Service of Lombardy; 1990-1992: scientific responsible of the agrometeorological research unit in the project "Integrated research on the degradation of slopes mountains areas" (EPOCH - European Project On Climatic Hazards); 1992-1998: scientific responsible of the ERSAL' research unit in MEDALUS II and MEDALUS III (MEDiterranean Desertification And Land Use), focused on static and dynamic climatology of the Italian area; 1996-1999: scientific responsible of ERSAL research group in MAP (Mesoscale Alpine Programme); 1997-1998: project leader of the ERSAL research group involved in the project ESTEC 12210 (Use of Meteosat for Dynamic Fade Restoration) of the European Space Agency; 1997-2006: President of the Italian Agrometeorological Association; 2006-2009: Vice-President of the Italian Agrometeorological Association; 2005-2007: contract professor of Physical Geography at Politecnico di Milano; 2000-2008: responsible of the meteo-climatological research unit in the research project "Progetto Valchiavenna", sponsored by CNR, Università degli Studi di Milano and Fondazione Cariplo with research activities on climatology of extreme events in the Alpine area; 2006-2008: research activities in RICLIC Warm project.

At present he works as independent professional and he is contract professor of Agrometeorology and Crop science at the Università degli Studi di Milano - Department of Crop Science, where he is involved in original research on micrometeorology, simulation models and analysis of land suitability. He participates to IPHEN (Italian Phenological Network), a national project for the real time production of phenological cartography for



Vitis vinifera, Sambucus nigra, Cupressus sempervirens, Cupressus arizonica and Olea europaea.

Research fields

Applied climatology
Agrometeorology
Micrometeorology
Crop Simulation models
Analysis of land suitability
Weather forecast for agriculture

Most significant publications

Mariani L., Parini S.G., Cola G., Failla O. (2012). Climate change in Europe and effects on thermal resources for crops. *INTERNATIONAL JOURNAL OF BIOMETEOROLOGY*, ISSN: 0020-7128, doi: 10.1007/s00484-012-0528-8

Cola G., Mariani L, Parisi S., Failla O. (2012). Tempo termico e fenologia della vite. *ITALUS HORTUS*, p. 31-34, ISSN: 1127-3496

Di Lena B, Silvestroni O, Mariani L, Parisi S, Antenucci F (2012). European climate variability effects on grapevine harvest date time series in the Abruzzi (Italy). *ACTA HORTICULTURAE*, In: Proceedings - XXVIII International Horticultural Congress on Science and Horticulture for People (IHC2010): International Symposium on the Effect of Climate Change on Production and Quality of Grapevines and their Products. Lisboa, Portugal, vol. 931, p. 63-70, ISSN: 0567-7572

Gilioli G, Mariani L (2011). Sensitivity of *Anopheles gambiae* population dynamics to meteo-hydrological variability: a mechanistic approach. *MALARIA JOURNAL*, vol. 10, ISSN: 1475-2875, doi: 10.1186/1475-2875-10-294

Guazzoni N, Comolli R, Mariani L, Cola G, Parolini M, Binelli A, Tremolada P (2011). Meteorological and pedological influence on the PCBs distribution in mountain soils. *CHEMOSPHERE*, vol. 83, p. 186-192, ISSN: 0045-6535

Mariani L, Parisi SG, Cola G (2009). Space and time behavior of climatic hazard of low temperature for single rice crop in the mid latitude. *INTERNATIONAL JOURNAL OF CLIMATOLOGY*, vol. 29, p. 1862-1871, ISSN: 0899-8418, doi: 10.1002/joc.1830