

CURRICULUM VITAE



PERSONAL INFORMATION

Name **Eleonora Canfora**
Address Divisione IAFES - Viale Trieste 127, 01100 Viterbo
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Nationality Italy

WORK EXPERIENCE

1996-1997

Contract with National Academy of Sciences as an expert in Vegetation index valuation and stress conditions.

1999-2003

Teaching in Biological Sciences at a Private Institute in Udine.

2004

Contract with DISAFRI Department of University of Tuscia in Viterbo as expert of remote sensing within CARBIUS project.

2005-2009

Scientific collaboration with DISAFRI Department of University of Tuscia in Viterbo as collaborator in the management Database of CarboeuropelP and IMECC Projects. Object: "Elaborazione di dati relativi al bilancio del carbonio di foreste europee"

2009-2012

Post-doc at the University of Tuscia in Viterbo on management and standardization of Eddy Covariance data, in the European Fluxes Database Cluster, part of the ICOS European structure.

2012-2015

Scientific collaboration with CMCC (Centro Mediterraneo Cambiamenti Climatici): "Standardization of measurements methodologies and elaborations", Italy-USA cooperation.

2016-2017

Scientific collaboration with CMCC (Centro Mediterraneo Cambiamenti Climatici): "Organization and Management of Sites ICOS labeling at Ecosystem Thematic Center“, GEOCARBON - Operational Global Carbon Observing System”.

2018

Scientific collaboration with CMCC (Centro Mediterraneo Cambiamenti Climatici):
Check data of ICOS-ETC and support for Principal Investigation of sites

EDUCATION AND TRAINING

1986

Attainment of Scientific School leaving certificate at Liceo Scientifico “P. Ruffini” in Orte (VT) with full marks.

1995

Degree in Biology Sciences at the University “La Sapienza” of Rome, discussion of a thesis in Vegetation Ecology on “Structural analysis of vegetation by remote sensing studies and ecophysiological measurements and leaf area index”.

1996-1997

Postgraduate course at the Vegetation Biology Department of University of Rome.

1997

Qualifying examination for biologist profession at the Tuscia University in Viterbo.

2002

Teacher’s diploma exam.

2006-2009

PhD in Forest Ecology, in the Tuscia University in Viterbo, thesis title: “Studio sulla rappresentatività di una rete di fluxtower condotto su scala europea”

DIGITAL COMPETENCE

- ILWIS (Integrated Land and Water Information System);
- ERMAPPER (Helping people manage the earth);
- ENVI (Environment for Visualizing Images);
- IDRISI ;
- ESRI ArcGis
- Matlab

M

MOTHER TONGUE

Italian

OTHER LANGUAGE

English

French

PUBLICATIONS

1. Manes F., Vitale M., De Gregorio C. Grignetti A., **Canfora E.** (1995) - Ecophysiological studies of Mediterranean plant species in the frame of interdisciplinary research programme B.E.M.A. In: *Report on the 1st B.E.M.A. measuring campaign at Castelporziano, Rome (Italy), May 1994*. Environment Institute, Biogenic Emission in the Mediterranean Area; B.E.M.A. Project. Joint Research Centre - European Commission; EUR 16293 EN 1995. pp.95-112.
2. **Canfora E.**, Grignetti A., Manes F. (1995) - Correlation between indices calculated from satellite data and field research data (LAI, Biomass). *Giornale Botanico Italiano*, 90° Congresso Società Botanica Italiana; vol. 129, n.2: 135.
3. Casacchia R., Guerrini A., Petrangeli A., Salvatori R., Ippoliti M., Marino A., Poli U., Rocchi V., Calisi A., **Canfora E.**, Manes F. (1996) - Analisi di immagini telerilevate, indagini di campo e studi di bioindicazione: ricerche di base e dati di monitoraggio. In: "Progetto di Monitoraggio Ambientale della Tenuta Presidenziale di Castelporziano (SITAC)" (Relazione Gruppo di Lavoro Atmosfera); *III Seminario Tenuta Presidenziale di Castelporziano, 14 June 1996*.
4. Manes F., Anselmi S., **Canfora E.**, and Giannini M. (1998) - Remote sensing analysis of mediterranean ecosystem canopies and upscaling studies. *The European Symposium on Aerospace Remote Sensing*. Conference on Remote Sensing for Agriculture, Ecosystems, and Hydrology. London, 22-25 September 1997. Proc. SPIE Vol. 3222, p. 246-252, Earth Surface Remote Sensing, Giovanna Cecchi; Edwin T. Engman; Eugenio Zilioli; Eds
5. Anselmi S., **Canfora E.**, Giannini M., Manes F., (1997) - Analisi di ecosistemi mediterranei mediante l'integrazione di dati a piccola e grande scala. In *Atti della I° Conferenza Nazionale delle Associazioni Scientifiche per le Informazioni Territoriali e Ambientali ASITA*, "Le Immagini e le Informazioni Territoriali", Parma 30 September - 3 October 1997, pp. 19-25.
6. Anselmi S., Blasi C., **Canfora E.**, Giannini M., Manes F., (1997) - "Analisi integrata di dati telerilevati da satellite e misure di LAI condotte in campo della Foresta Demaniale del Parco Nazionale del Circeo". Poster presentato al *92° Congresso della Società Botanica Italiana*, Cagliari, 2-4 October 1997, p. 132.
7. Casacchia R., Petrangeli A.B., Salvatori R., Casolaro F., Ippoliti M., Poli U., **Canfora E.**, Giannini M., Grignetti A., Manes F. (1997) - Analisi integrata di dati telerilevati da satellite e indagini di campo nell'ambito di studi di base e applicativi. In: "Progetto di Monitoraggio Ambientale della Tenuta Presidenziale di Castelporziano. Creazione di un Sistema Informativo Territoriale Ambientale Castelporziano (SITAC)"; *IV Report Tenuta Presidenziale di Castelporziano*, pp. 72-81.
8. Manes F., Vitale M. Feoli E., Scimone M., and **Canfora E.**, (1998) - Gas exchange measurements and an indirect estimate of primary production in a Holm-oak ecosystem. *Fresenius Environmental Bulletin*, 7, pp71-78.
9. D. Papale, M. Reichstein, M. Aubinet, **E. Canfora**, C. Bernhofer, W. Kutsch, B. Longdoz, S. Rambal, R. Valentini, T. Vesala, and D. Yakir - Towards a standardized processing of Net Ecosystem Exchange measured with eddy covariance technique: algorithms and uncertainty estimation - *Biogeosciences*, 3, 571-583, 2006
10. A. Rey, L. Belevi-Marchesini, G. Etiope, **E.Canfora**, D. Papale, R. Valentini, E. Pegoraro - Partitioning the net ecosystem balance of a semiarid steppe into biological and geological components, *Biogeochemistry*, vol. 118, p. 83-101, ISSN: 0168-2563, doi: 10.1007/s10533-013-9907-4, 2013.
11. G. Pastorello, D Agarwal, T. Samak, C. Poindexter, B. Faybishenko, D. Gunter, R. Hollowgrass, D. Papale, C. Trotta, A. Ribeca, **E. Canfora** - Observational data patterns for time series data quality assessment - *Proceedings of the 10th IEEE International Conference on eScience (e-*

12. D. Papale, M. Migliavacca, E. Cremonese, A. Cescatti, G. Alberti, M. Balzarolo, L. Beilelli, **E. Canfora**, R. Casa, P. Duce, O. Facini, M. Galvagno, L. Genesio, D. Gianelle, V. Magliulo, G. Matteucci, L. Montagnani, F. Petrella, A. Pitacco, G. Seufert, D. Spano, P. Stefani, F. P. Vaccari and R. Valentini - Carbon, Water and Energy Fluxes of Terrestrial Ecosystems in Italy - In book: The Greenhouse Gas Balance of Italy, Edition: Environmental Science & Engineering, Chapter: 1, Publisher: Springer, Editors: Valentini R., Miglietta F., doi 10.1007/978-3-642-32424-6_2, 2015.

13. Pastorello, G. Z., D. Papale, H. Chu, C. Trotta, D. A. Agarwal, **E. Canfora**, D. D. Baldocchi, and M. S. Torn (2017), A new data set to keep a sharper eye on land-air exchanges, Eos Earth & Space Science News, 98-8, <https://doi.org/10.1029/2017EO071597>. August 2017.

14. Pastorello G., Gunter D., Chu H., Christianson D., Trotta C., Canfora E., et al. (2017), Hunting Data Rogues at Scale: Data Quality Control for Observational Data in Research Infrastructures, DOI 10.1109/eScience.2017.64, Conference: 2017 IEEE 13th International Conference on e-Science (e-Science). October 2017.

AUTORIZZA

**il trattamento dei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196
"Codice in materia di protezione dei dati personali .**

Viterbo, 22/02/2018

Eleonora Canfora