

# Curriculum Vitae

## Dario Papale

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Dario Papale is Associate Professor of Forest Ecology at the University of Tuscia (Viterbo, Italy) where he also got his PhD in Forest Ecology in 2003 working on artificial neural networks and eddy covariance data. His interests are in data-model integrations, biogeochemical empirical and data oriented models to assess carbon, water and energy fluxes from terrestrial ecosystems and their uncertainty. From 2004 he is scientific responsible of the European Eddy Covariance fluxes databases cluster where he mainly work in the eddy covariance data standardization, quality control and uncertainty estimation, data policy and database services development. His interest is also focused on the use of carbon and energy fluxes in the context of empirical modeling and data mining in particular jointly with others data sources such remotely sensed data.

In the last years his main activity and interest has been the development and coherent growth of the global network of eddy covariance sites (FLUXNET). In this context, he was one of the organizer and member of the FLUXNET synthesis activities where fluxes measured using the eddy covariance technique in more than 250 sites worldwide are standardized, processed and made available to the scientific community. Since then, he continued to work on the development of new methods and techniques to enhance the quality of the eddy covariance measurements in particular in Europe and US. He is in fact member of the AmeriFlux Management Project Team and since 2013 Director of the Ecosystem Thematic Centre of the Integrated Carbon Observation System (ICOS) in Europe.

Involved in several European and Italian research projects with responsibility roles, he is currently involved in EU funded research projects that have the aim to increase the FAIRness of the data collected and shared by the Research Infrastructures (ENVRI-FAIR H2020 project) and to improve their quality and use (RINGO and E-SHAPE H2020 projects). His activity is focused mainly of the eddy covariance and ecosystem measurements with the development of new tools, quality check procedures and standards.

He published more than 100 papers in international journals and he is co-editor of a book on the Eddy Covariance technique. With the ICOS ETC he coordinated the publication of a set of measurements instructions that are used as reference in the ICOS Ecosystem community. Since August 2014 he is Editorial Board member of Nature Scientific Data and since 2016 Associate Editor in Chief of Ecological Processes. In the last 5 years he supervised 6 PhD students.