University Academic Curriculum Vitae

Personal information

Name Leonardo Montagnani
Place of birth: Varese
Date of birth: 11.08.1961
Nationality: Italian
Number of children: 2
Year of birth of the children: 12.04.1990; 26.11.1998.
Address: Via dell'Acquedotto 7a, Ranco 21020 (VA)
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Education since leaving school

- year and title of first degree; (and university) 1996, Laurea in Scienze Forestali, University of Tuscia.
- year and title of post-graduate degrees (and university)
- year, subject area and title of PhD (and university) 2000, Forest Ecology, University of Padova
- year, subject area and title of Habilitation (and university)
    - 2014-2020. Qualified as Associate Professor in Ecology, in Geophysics and in Science and Technology of Tree and Forest Systems

Present appointment

- Title of appointment Principal Investigator of Renon European Carbon Integrated Observation System (ICOS). Ecosystem site.
- start of appointment 01.01.2019.
- Level of appointment (in national / international context). It is part of European Research Infrastructure.
- employer (University, research institute, status of university / institute). Autonomous Province Of Bozen-Bolzano, Forest Services.
- brief description of responsibilities.
  Collection and standardization of meteorological and ecosystem exchange data. Manage the collaboration with European partners and organization. Organize scientific research.

Professional experience

Chronological list of all previous employments (each with job title, starting and finishing dates, level, employer, responsibilities)

From / to	Job title	Name of academic Institution	Academic level	responsibilities
2016/2019	RTD	Free University of Bolzano	Assistant Professor	Teaching and research
2018	Consultant	Autonomous Province of Bolzano		Research and management
2015/2017	Consultant	Autonomous Province of Bolzano		Research and management
2013/2014	Consultant	Free University of Bolzano	Research Assistant	Teaching
2012/2013	Contract Professor	Free University of Bolzano	Contract Professor	Participation to the project 'The influence of vegetation on carbon fluxes on soil carbon accumulation after glacier retreat'

2012/2015	Consultant	Autonomous Province of Bolzano		Research and management
2012/2013	Consultant	Free University of Bolzano	Research Assistant	Research project 'Uso degli isotopi stabili per lo studio del bilancio del carbonio in sistemi arborei: suddivisione dei componenti della respirazione del suolo'
2011/2012	Teaching Assistant	Free University of Bolzano	Teaching Assistant	Course 'Fruit tree Ecosystems'
2009/2011	Project contract	Free University of Bolzano	Research Assistant	Assessing the potential for CO2 sequestration by apple orchards in South Tyrol

Participation in exhibitions (where applicable)

In the case of practice-related projects carried out in co-operation with studios, agencies or other people, please specify your own contribution to and role in the project.)

Where applicable: Design competitions and awards received
(Only list competitions that were won or those with a relevant placement and/or award, with name and date of competition)

List of major exhibitions, Title, date, location.

Experience in academic teaching

- title of courses given last 5 years, name of University/Institute, subject area, academic level (under-/post-graduate / PhD), results of evaluations (full details in appendix)

I taught four courses ('Agroecosystems), held at the University of Innsbruck during my academic activity in the period 2016-2019. I received the evaluation from the students during one year (2017-2018). The average score has been 4.1 out of 5.0. I had a Master thesis student, Simon Tscholl, which reached the degree with the maximum score for the thesis

- Summary of significant personal achievements in teaching

I improved the quality of my lessons during my course, and the quality of the language used, thanks to the English courses I followed.

- Postgraduate supervision (PhD level): number of students supervised in the last five years with subject areas

Other academic responibilities

- internal appointments to faculty and university boards

Part of the PhD commission 'MOUNTAIN ENVIRONMENT AND AGRICULTURE' of the University of Bozen-Bolzano.

- external appointments at national and international level
- responsibilities for organizing conferences/seminars/exhibitions (place, duration, institute)

Meeting organizer of 'European Geosciences Union General Assembly, Terrestrial Biogeosciences, BG2.3. Patterns and drivers of GHG assimilation and release in natural and agricultural ecosystems.'
Vienna, Austria, 2012.

Memberships

Membership of academic or professional bodies (including

membership of Editorial Boards of scientific publications; membership of scientific committees for international conferences)

Editor of the following scientific Journals: PeerJ (2017 to present), Sustainability (2018 to present), Frontiers Forests and Atmosphere (2018 to present).

Research and scholarships

- Summary of current research and scholarship
- Summary of research and scholarship during the previous five years

Web of Science-Clarivate Analytics Award as 2018 Highly Cited Researcher 'In recognition of exceptional research performance demonstrated by production of multiple highly cited papers, those that top 1% by citations for field and year, in Cross Field'.

- Summary of significant achievements in research and scholarship

Norbert Gerbier-MUMM International Award, 2012, attributed by the World Meteorological Organization, shared with C. Yi and coauthors for the paper 'Climate control of terrestrial carbon exchange across biomes and continents', published in Environmental Research Letters in 2010.

- **Research grants and contracts**

Date granted	Award Holder(s)	Funding Body	Title	Amount received
2019	Free University of Bolzano. Lehner-Tagliavini	EUREGIO	ASTER. Atmospheric boundary-layer modeling over complex terrain	439000 € (92000 € for UNIBZ)
2018	Free University of Bolzano. Montagnani	Parco Nazionale della Val Grande	Bioter. Analisi della diversità biologica e funzionale dei terrazzamenti nel Parco Nazionale della Valgrande	20000
2017	Free University of Bolzano. Montagnani	UNIBZ FaST RTD Funds	CliMicrobe. Temperature sensitivity of heterotrophic respiration in soil: can be teabags weight loss and Acidobacteria density adequate methods for its determination?	20150
2017	Free University of Bolzano. Zerbe	UNIBZ Interfaculty project	. GreenCITIES. Urban green in an interdisciplinary perspective - Environmental impact, cost-benefit, and human perception	198000
2016	Free University of Bolzano. Tagliavini	UNIBZ FaST project	WEST. Water use efficiency across land use types in South Tyrol.	100000

Publications

Publications over the last 15 years in chronological order within each category following the International Standard for bibliographic references with DOI whenever possible. With multiple authorship the main author's name appears in *Italics*. In addition, in the left-hand margin please star (*) what you consider were especially significant publications. For accepted but not yet published works please indicate expected publication date. PUBLICATIONS WILL ONLY BE EVALUATED WHEN THEY CAN BE TRACED IN PUBLIC CATALOGUES.

- Books – Authored
- Books – Edited
- Chapters in books

Papale D., Migliavacca M., Cremonese E., Cescatti A., Alberti G., Balzarolo M., Belelli Marchesini L., Canfora E., Casa R., Duce P., Facini O., Galvagno M., Genesio L., Gianelle D., Magliulo V., Matteucci G., Montagnani L., Petrella F., Pitacco A., Seufert G., Spano D., Stefani P, Vaccari F. P. and Valentini R. (2015) in: Carbon, Water and Energy Fluxes of Terrestrial Ecosystems in Italy. The Greenhouse Gas Balance of Italy, Environmental Science & Engineering edited by Valentini R., Miglietta F., Springer., ISBN: 978-3-642-32424-6.

Montagnani L. (2008) Measuring CO_2 exchange by eddy covariance in challenging environment: the state of art. Proceedings of the International Symposium on CO_2 Flux Monitoring Technology. The Experimental Forest, National Taiwan University. Pp. 35-66.

Janssens I.A., Dore S., Epron D., Lankreijer H., Buchmann N., Longdoz B., Brossaud J., Montagnani L. (2003). Climatic influences on seasonal and spatial differences in soil CO2 efflux. In: Canopy fluxes of energy, water and carbon dioxide of European forests / Valentini R. [edit.], Berlin, Ecological Studies, Springer. Pp. 235-256.

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- **Conference papers**
- **Journal articles in refereed academic journals (with DOI whenever possible)**

91) Peaucelle et al., including L. Montagnani. 2019. Covariations between plant functional traits emerge from constraining parameterization of a terrestrial biosphere model. Global Ecology and Biogeography, https://doi.org/10.1111/geb.12937.

90) Conte A., S. Fares, L. Salvati, F. Savi, G.Matteucci, F. Mazzenga, D. Spano, C. Sirca, S. Marras, M. Galvagno, E. Cremonese and L. Montagnani, 2019, Ecophysiological Responses to Rainfall Variability in Grassland and Forests Along a Latitudinal Gradient in Italy, Frontiers in Forests and Global Change, 2:16. DOI: 10.3389/ffgc.2019.00016.

89) Franz D., M. Acosta, N. Altimir, et al., Including , L. Montagnani, 2018. Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe´s terrestrial ecosystems: a review, International Agrophysics, 32, 439-455, DOI: 10.1515/intag-2017-0039.

88) Saunders M., S. Dengel, P. Kolari, C. Moureaux, L. Montagnani, E. Ceschia, N. Altimir, A. López-Ballesteros, S. Marañon-Jimenez, M. Acosta, K. Klumpp, B. Gielen, M. Op de Beeck, L. Hörtnagl, L. Merbold, B. Osborne, T. Grünwald, D. Arrouays, H. Boukir, N. Saby, G. Nicolini, D. Papale, M. Jones.

Importance of reporting ancillary site characteristics, and management and disturbance information at ICOS stations, International Agrophysics 32, 457-469, DOI: 10.1515/intag-2017-0040.

87) Rebmann C., M. Aubinet, H. Schmid, N. Arriga, M. Aurela, G. Burba, R. Clement, A. De Ligne, G. Fratini, B. Gielen, J. Grace, A. Graf, P. Gross, S. Haapanala, M. Herbst, L. Hörtnagl, A. Ibrom, L. Joly, N. Kljun, O. Kolle, A. Kowalski, A. Lindroth, D. Loustau, I. Mammarella, M. Mauder, L. Merbold, S. Metzger, M. Mölder, L. Montagnani, D. Papale, M. Pavelka, M. Peichl, M. Roland, P. Serrano-Ortiz, L. Siebicke, R. Steinbrecher, J. Tuovinen, T. Vesala, G. Wohlfahrt, D. Franz. ICOS eddy covariance flux-station site setup: a review, International Agrophysics 32, 471-494, DOI: 10.1515/intag-2017-0044.

86) Sabbatini S., I. Mammarella, N. Arriga, G. Fratini, A. Graf, L. Hörtnagl, A. Ibrom, B. Longdoz, M. Mauder, L. Merbold, S. Metzger, L. Montagnani, A. Pitacco, C. Rebmann, P. Sedlák, L. Šigut, D. Vitale, D. Papale, Eddy covariance raw data processing for CO2 and energy fluxes calculation at ICOS ecosystem stations. International Agrophysics 32, 495-515, DOI: 10.1515/intag-2017-0043

85) Montagnani L., T. Grünwald, A. Kowalski, I. Mammarella, L. Merbold, S. Metzger, P. Sedlák, L. Siebicke, 2018. Estimating the storage term in eddy covariance measurements: the ICOS methodology. International Agrophysics 32, 551-567, DOI: 10.1515/intag-2017-0037

84) Pavelka M., M. Acosta, R. Kiese, N. Altimir, C. Brümmer, P. Crill, E. Darenova, R. Fuß, B. Gielen, A. Graf, L. Klemedtsson, A. Lohila, B. Longdoz, A. Lindroth, M. Nilsson, S. Marañon-Jimenez, L. Merbold, L. Montagnani, M. Peichl, M. Pihlatie, J. Pumpanen, P. Serrano Ortiz, H. Silvennoinen, U. Skiba, P. Vestin, P. Weslien, D. Janouš, W. Kutsch, 2018. Standardisation of chamber technique for CO2, N2O and CH4 fluxes measurements from terrestrial ecosystems, International Agrophysics 32, 569-587, DOI: 10.1515/intag-2017-0045

83) Gielen B., M. Acosta, N. Altimir, N. Buchmann, A. Cescatti, E. Ceschia, S. Fleck, L. Hörtnagl, K. Klumpp, P. Kolari, A. Lohila, D. Loustau, S. Marañon-Jimenez, T. Manise, G. Matteucci, L. Merbold, C. Metzger, C. Moureaux, L. Montagnani, M. Nilsson, B. Osborne, D. Papale, M. Pavelka, M. Saunders, G. Simioni, K. Soudani, O. Sonnentag, T. Tallec, E. Tuittila, M. Peichl, R. Pokorny, C. Vincke, G. Wohlfahrt, Soil-meteorological measurements at ICOS monitoring stations in terrestrial ecosystems. International Agrophysics 32, 645-664, DOI: 10.1515/intag-2017-0048

82) Op de Beeck M., B. Gielen, L. Merbold, E. Ayres, P. Serrano-Ortiz, M. Acosta, M. Pavelka, L. Montagnani, M. Nilsson, L. Klemedtsson, C. Vincke, A. De Ligne, C. Moureaux, S. Marañon-Jimenez, M. Saunders, S. Mereu, L. Hörtnagl, Ancillary vegetation measurements at ICOS ecosystem stations, 619-631, DOI: 10.1515/intag-2017-004186) Montagnani L., T. Grünwald, A. Kowalski, I. Mammarella, L. Merbold, S. Metzger, P. Sedlak, L. Siebicke (2018). Estimating the storage term in eddy covariance measurements: the ICOS methodology, International Agrophysics., 32, 619 – 631, doi: 10.1515/intag-2017-0037.

81) Xu X.; C. Yi; L. Montagnani, E. Kutter (2018), Numerical Study of the Interplay between Thermo-topographic Slope Flow and

Synoptic Flow on Canopy Transport Processes, Agricultural and Forest Meteorology. 255:-3-16, https://doi.org/10.1016/j.agrformet.2017.03.004.

80) von Buttlar, J., Zscheischler, J., Rammig, A., Sippel, S., Reichstein, M., Knohl, A., Jung, M., Menzer, O., Arain, M. A., Buchmann, N., Cescatti, A., Gianelle, D., Kiely, G., Law, B. E., Magliulo, V., Margolis, H., McCaughey, H., Merbold, L., Migliavacca, M., Montagnani, L., Oechel, W., Pavelka, M., Peichl, M., Rambal, S., Raschi, A., Scott, R. L., Vaccari, F. P., van Gorsel, E., Varlagin, A., Wohlfahrt, G., and Mahecha, M. D.:2018. Impacts of droughts and extreme-temperature events on gross primary production and ecosystem respiration: a systematic assessment across ecosystems and climate zones, Biogeosciences, 15, 1293-1318, https://doi.org/10.5194/bg-15-1293-2018, 2018.

79) Wenter A., D. Zanotelli, L. Montagnani, M. Tagliavini, C. Andreotti (2018) Effect of different timings and intensities of water stress on yield and berry composition of grapevine (cv. Sauvignon blanc) in a mountain environment. Scientia Horticulturae 236, 137-145, DOI10.1016/j.scienta.2018.03.037.

78) Fischer M., T. Zenone M. Trnka M. Orság, L. Montagnani E.J. Ward A. M. Tripathi, P. Hlavinka, G. Seufert, Z. Žalud, J.S. King, R Ceulemans (2018.) Water requirements of short rotation poplar coppice: Experimental and modelling analyses across Europe. Agricultural and Forest Meteorology 250–251, 343-360.

77) Nicolini G., M. Aubinet, C. Feigenwinter, B. Heinesch, A. Lindroth, O. Mamadou, U. Moderow, M. Mölder, L. Montagnani, C. Rebmann, D. Papale (2018) Impact of CO2 storage flux sampling uncertainty on net ecosystem exchange measured by eddy covariance, Agricultural and Forest Meteorology, 248, 228–239. http://dx.doi.org/10.1016/j.agrformet.2017.09.025.

76) Montagnani L., D. Zanotelli, M. Tagliavini and E. Tomelleri (2018) Time scale effects on the environmental control of carbon and water fluxes of an apple orchard. Ecology and Evolution. DOI: 10.1002/ece3.3633.

75) Fernández-Martínez M., S. Vicca, I. A. Janssens, P. Ciais, M. Obersteiner, M. Bartrons, J. Sardans, A. Verger, J. G. Canadell, F. Chevallier, X. Wang, C. Bernhofer, P.S. Curtis, D, Gianell, T. Grünwald, B. Heinesch, A. Ibrom, A. Knohl, T. Laurila, B.E. Law, J.M. Limousin, B. Longdoz, D. Loustau, I. Mammarella, G. Matteucci, R.K. Monson, L. Montagnani, E.J. Moors, J.W. Munger, D. Papale, S.L. Piao, J. Peñuelas (2017). Atmospheric deposition, CO2, and change in the land carbon sink. Scientific Reports- 7, 9632. DOI:10.1038/s41598-017-08755-8.

74) Yao, Y., Liang, S., Li, X., Zhang, Y., Chen, J., Jia, K., Zhang, X., Fisher, J.B., Wang, X., Zhang, L., Xu, J., Shao, C., Posse, G., Li, Y., Magliulo, V., Varlagin, A., Moors, E.J., Boike, J., Macfarlane, C., Kato, T., Buchmann, N., Billesbach, D.P., Beringer, J., Wolf, S., Papuga, S.A., Wohlfahrt, G., Montagnani, L., Ardö, J., Paul-Limoges, E., Emmel, C., Hörtnagl, L.J., Sachs, T., Gruening, C., Gioli, B., López-Ballesteros, A., Steinbrecher, R., Gielen, B. (2017) Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method, Journal of Hydrology, doi: http://dx.doi.org/10.1016/j.jhydrol.

73) Lin H., Y. Chen, Q. Song, P. Fua, J. Cleverly, V. Magliulo, B.E. Law, C.M. Gough, L. Hörtnagl, F. Di Gennaro, G. Matteucci, L.

Montagnani, P. Duce, C. Shao, T. Kato, D. Bonal, E. Paul-Limoges, J. Beringer, J. Grace, Z. Fan (2017) Quantifying deforestation and forest degradation with thermal response, Science of the Total Environment 607–608, 1286–1292. http://dx.doi.org/10.1016/j.scitotenv.2017.07.062.

72) Fu Z., P.C. Stoy, Y. Luod, J. Chen, J. Sun, L. Montagnani, G. Wohlfahrt, A.F. Rahman, S. Rambal, C. Bernhofer, J. Wang, G. Shirkey, S. Niu (2017) Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. Agricultural and Forest Meteorology. http://dx.doi.org/10.1016/j.agrformet.2017.05.009.

71) Wenter A., D. Zanotelli, L. Montagnani, M. Tagliavini, C. Andreotti, 2017, Effects of an early-summer drought stress on leaf photosynthesis, growth and yields of grapevine in mountain conditions, Acta horticulturae, 2017, DOI: 10.17660/ActaHortic.2017.1150.63

70) Shi, H., Li, L., Eamus, D., A. Huete, J. Cleverly, X. Tian, Qiang Yu, S. Wang, L. Montagnani, Vincenzo Magliulo, E. Rotenberg, Pavelka, M., Carrara A. 2017, Assessing the ability of MODIS EVI to estimate terrestrial ecosystem gross primary production of multiple land cover types, Ecological Indicators, 153-164.

69) Haeni, M., Zweifel, R., Eugster, W., Gessler, A., Zielis, S., Bernhofer, C., Carrara, A., Grünwald, T., Havránková, K., Heinesch, B., Herbst, M., Ibrom, A., Knohl, A., Lagergren, F., Law, B., Marek, M., Matteucci, G., McCaughey, J., Minerbi, S., Montagnani, L., Moors, E., Olejnik, J., Pavelka, M., Pilegaard, K., Pita, G., Rodrigues, A., Sánchez, M. J. S., Schelhaas, M.-J., Urbaniak, M., Valentini, R., Varlagin, A., Vesala, T., Vincke, C., Wu, J. and Buchmann, N. (2017) Timing of the compensation of winter respiratory carbon losses provides explanatory power for net ecosystem productivity of forests, Journal of Geophysical Research: Biogeosciences.

68) Yao, Y., Liang, S., Li X., Liu, S.; Chen, J.; Zhang, X.; Jia, K.; Jiang, B-; Xie, X.; Munier, S.; Liu, M.; Yu, Jian; Lindroth, A,; Varlagin, A,; Raschi, A,; Noormets, Asko; Pio, C.; Wohlfahrt, G.g; Sun, G.; Domec, J.-C.; Montagnani, L,; Lund, M.; Moors E., ; P. Blanken, Grunwald, T., Wolf, S., Magliulo V. (2017), Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations, Agricultural and Forest Meteorology.

67) Varolo E., D. Zanotelli, L. Montagnani, M. Tagliavini, S. Zerbe, 2016, Colonization of a Deglaciated Moraine: Contrasting Patterns of Carbon Uptake and Release from C3 and CAM Plants, 2016. PLosOne, 11(12): e0168741. doi:10.1371/journal.pone.0168741

66) Musavi T., M. Migliavacca. M. J. van de Weg, J. Kattge. G. Wohlfahrt , P.M. van Bodegom, M. Reichstein, M. Bahn, A. Carrara, T. F. Domingues, M. Gavazzi, D. Gianelle, C. Gimeno, A. Granier, C. Gruening, K. Havránková M. Herbst, C. Hrynkiw, A. Kalhori, T. Kaminski, K. Klumpp, P. Kolari, B. Longdoz, S. Minerbi, L. Montagnani, E. Moors, W. C. Oechel, P. B. Reich, S. Rohatyn, A. Rossi, E. Rotenberg, A. Varlagin. M. Wilkinson, C. Wirth, M. D. Mahecha, 2016, Potential and limitations of inferring ecosystem photosynthetic capacity from leaf functional traits, Ecology and evolution, DOI: 10.1002/ece3.2479.

65) Zhou Y., X. Wu, W. Ju, J.M. Chen, S. Wang, H. Wang, W. Yuan,

A. Black, R. Jassal, A. Ibrom, S. Han, J. Yan, H. Margolis, O. Roupsard, Y. Li, F. Zhao, G. Kiely, G. Starr, M. Pavelka, L. Montagnani, G. Wohlfahrt, P. D'Odorico, D. Cook, M. Altaf Arain, D. Bonal, J. Beringer, P. Blanken, B. Loubet, M. Leclerc, G. Matteucci, Z. Nagy, J. Olejnik, K. Paw U, A. Varlagin, Global parameterization and validation of a two-leaf light use efficiency model for predicting gross primary production across FLUXNET sites, 2016, 12, 7403-7421, Journal of Geophysical Research: Biogeosciences, DOI: 10.1002/2014JG002876.

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63) Collalti, A. Marconi, S. Ibrom, A. Trotta, C. Anav, A. D'Andrea, E. Matteucci, G. Montagnani, L. Gielen, B. Mammarella, I. Grünwald, T. Knohl, A, Berninger, F. Zhao, Y. Valentini, R. and Santini, M., 2016, Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites, 2016, Geoscientific Model Development, 9 (2) 479-504, DOI = 10.5194/gmd-9-479-2016.

62) Desai A., G. Wohlfahrt, M.J. Zeeman, G. Katata, W. Eugster, L. Montagnani, D. Gianelle, M. Mauder and H-P Schmid. 2016. Montane ecosystem productivity responds more to global circulation patterns than climatic trends. Environmental Research Letters, 11 (2016) 024013.

61) Kountouris P., C. Gerbig, K.-U. Totsche, A. J. Dolman, A. G. C. A. Meesters, G. Broquet, F. Maignan, B. Gioli, L. Montagnani, and C. Helfter, 2015. An objective prior error quantification for regional atmospheric inverse applications, Biogeosciences, doi:10.5194/bg-12-7403-2015.

60) Fleischer K., D. Wårlind, M. K. van der Molen, K. T. Rebel, A. Arneth, J. W. Erisman, M. J. Wassen, B. Smith, C. M. Gough, H. A. Margolis, A. Cescatti, L. Montagnani, A. Arain, A. J. Dolman, 2015, Journal of Geophysical Research: Biogeosciences, Research Article Low historical nitrogen deposition effect on carbon sequestration in the boreal zone, DOI: 10.1002/2015JG002988.

59) Papale D., T. A. Black, N. Carvalhais, A. Cescatti, J. Chen, M. Jung, G. Kiely, G. Lasslop, M.D. Mahecha, H. Margolis, L. Merbold, L. Montagnani, E. Moors, J. E. Olesen, M. Reichstein, G. Tramontana, E. van Gorsel, G.Wohlfahrt, B. Ráduly, 2015, Effect of spatial sampling from European flux towers for estimating carbon and water fluxes with artificial neural networks, Journal of Geophysical Research: Biogeosciences, DOI: 10.1002/2015JG002997.

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sensing models for capturing intra- and inter-annual variations in daily GPP: An analysis using global FLUXNET tower data, Agricultural and Forest Meteorology, 214, 416-429. Doi:10.1016/j.agrformet.2015.09.005

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- Journal articles in professional journals
- Official reports (whole or part)
- Other publications
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Montagnani L., A. Badraghi, A.F. Speak, C. Wellstein, L. Borruso, S. Zerbe, D. Zanotelli, 2019. Evidence for a non-linear carbon accumulation pattern along an Alpine glacier retreat chronosequence in Northern Italy. Peerj preprint, https://doi.org/10.7287/peerj.preprints.27703v1.

- Exhibitions

Publications about the applicant

Articles published by others in magazines, etc. about the applicant or his/her projects

Roberta Raffaetà, Tutti i colori del verde. Il ruolo del verde urbano nei processi di cittadinanza nella città di Bolzano. Archivio antropologico mediterraneo, Anno XXII, n. 21 (1) 2019.

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Further data

Presentations at scientific conferences over past 3 years (invited or selected, keynote, nature and status of conference)

Entrepreneurship

Spin-offs, patents and entrepreneurship

Statement of interest

Candidates should outline reflexively their expected contribution to the advertised position at the unibz and to the university overall. This statement should highlight relevant elements of the candidate's CV that underline the particular suitability of the applicant.

My objective in the forthcoming years is to continue in the direction kept in the last years, from the one hand with an increased integration of my activity inside the Faculty, and on the other hand with an enhancement of the internationalization of the Faculty. My aim is also to contribute to the development of the use of environmental physics approach inside the research related to biogeochemical cycles, in particular the cycle of carbon and water in cultivated ecosystems. I foresee more my publications as senior author in high-ranking scientific journals. I expect also developing methods enhancing

sustainability and wise use of natural resources, and integrating research approaches spanning from local measurements, ecosystem analysis and satellite observations.

Language competence

Written and spoken competence in all languages according to CERF levels, Common European Reference Framework (http://www.coe.int/t/dg4/linguistic/cadre1_en.asp); append certificates wherever available

English C1 level. UNIBZ Language Center certification, 2018.

Date

July 12, 2019

Signature