ABBREVIATED CURRICULUM VITAE

Franco Biondi

University Degrees

1990-'94	Ph.D., Watershed Management and Geosciences; University of Arizona, Tucson.
1985-'87	M.S., Watershed Management; University of Arizona, Tucson
1980-'85	Laurea summa cum laude (Italian Doctorate 1), Forestry; Università di Firenze, Italy.

Academic Appointments and Titles (since 2000)

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2010-present	Professor, Department of Geography, University of Nevada, Reno (UNR).	
2008-present	Faculty Member, Interdisciplinary Graduate Program in Environmental Sciences, UNR.	
2008-present	Senior Ecologist, Board of Professional Certification, Ecological Society of America (ESA).	
2007-present	External Faculty Member, PhD Program in "Scienze e Tecnologie per la Gestione Forestale e	
-	Ambientale", University of Tuscia, Viterbo, Italy.	
2005-present	Faculty Member, PhD Program in Ecology, Evolution and Conservation Biology, UNR.	
2005-2010	Associate Professor, Department of Geography, UNR.	
2000-present	Faculty Member, Graduate Program of Hydrologic Sciences, UNR.	
2000-present	<i>Director</i> , DendroLab, Department of Geography, UNR.	
2000-2005	Assistant Professor, Department of Geography, UNR.	
1998-2000	Adjunct Professor, Biology Department, San Diego State University, San Diego.	
1997-2000	7-2000 Assistant Project Scientist, Geosciences Research Division, Scripps Institution of Oceanograph	
	University of California-San Diego, La Jolla.	

Research Honors (since 2000)

- 2016 *h-index* of 30, i-10 index of 56 (Google Scholar).
- 2015 *Invited Visiting Professor* ("Poste Rouge"), Laboratoire d'Ecologie Fonctionnelle et Environnement (EcoLab), *Université Toulouse III*, France.
- 2014 Bullard Visiting Fellow, Harvard Forest, Harvard University, Petersham, Massachusetts.
- 2013 *Visiting Scientist*, Oeschger Centre for Climate Change Research, *University of Bern*, and Swiss Federal Institute for Forest, Snow and Landscape Research (*WSL-Birmensdorf*), Zurich, Switzerland.
- 2013 Visiting Fellow, Cooperative Institute for Research in Environmental Science (CIRES), University of Colorado, Boulder.
- 2011 *Fulbright Senior Specialist* in Environmental Science, Department of Agriculture, Forests, Nature and Energy (DAFNE), *University of Tuscia*, Viterbo, Italy.
- 2008 Hyung K. Shin Award for Excellence in Research, College of Science, UNR.
- 2008 Outstanding Researcher Award, Mackay School of Earth Sciences and Engineering, UNR.
- 2007 Visiting Fellow, Chair of Terrestrial Ecology, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland.
- 2007 Blaustein Visiting Fellow, School of Earth Sciences, Stanford University, California.
- 2001 Paper of the Year Award, Climate Specialty Group, Association of American Geographers.

Peer-Reviewed Publications (since 2000) ²

(submitted)	Di Filippo, A., F. Biondi, G. Piovesan, and E. Ziaco. Tree-ring chrono-functional indicators
	along a naturalness gradient of old-growth beech forests.

(submitted) Schwalm, C., W.R.L. Anderegg, *F. Biondi*, G. Koch, M. Litvak, K. Ogle, J.D. Shaw, A. Wolf, D.N. Huntzinger, A.M. Michalak, K. Schaefer, J.B. Fisher, R.Cook, Y. Wei, Y. Fang, A. Jain, D.

Hayes, M. Huang, and H. Tian. Global patterns of drought recovery.

(accepted) Ziaco, E. and *F. Biondi*. Tree growth, cambial phenology, and wood anatomy of limber pine at

a Great Basin (USA) mountain observatory. *Trees* - Structure and Function.

2016 Ziaco, E., *F. Biondi*, S. Rossi, and A. Deslauriers. Environmental drivers of cambial phenology

¹ No higher degrees in this major were awarded by Italian Universities at that time.

² Articles in preparation were not included

- in Great Basin bristlecone pine. *Tree Physiology*, doi: 10.1093/treephys/tpw006.

 2015 *Biondi, F.* Dendrochronology, Volcanic Eruptions. Pp. 221-227 in W.J. Rink and J.W.
- 2015 **Biondi, F.** Dendrochronology, Volcanic Eruptions. Pp. 221-227 in W.J. Rink and J.W. Thompson (Eds.), **Encyclopedia of Scientific Dating Methods**, Springer-Verlag, Berlin-Heidelberg.
- 2015 **Biondi, F.** and S. Rossi. Plant-water relationships in the Great Basin Desert of North America derived from *Pinus monophylla* hourly dendrometer records. **International Journal of Biometeorology** 59(8): 939-953.
- Zang, C. and *F. Biondi. treeclim*: an R package for the numerical calibration of proxy-climate relationships. *Ecography* 38: 431–436.
- Saito, L., *F. Biondi*, R. Devkota, J. Vittori, and J. Salas. A water-balance approach for reconstructing streamflow using tree-ring proxy records. *Journal of Hydrology* 529(Part 2): 535–547.
- Salas, J.D., Z. Tarawneh, and *F. Biondi*. A hydrological record extension model for reconstructing streamflows from tree-ring chronologies. *Hydrological Processes* 29(4): 544–556.
- Anderegg, W.R.L., C. Schwalm, *F. Biondi*, J.J. Camarero, G. Koch, M. Litvak, K. Ogle, J.D. Shaw, E. Shevliakova, A.P. Williams, A. Wolf, E. Ziaco, and S. Pacala. Pervasive drought legacies in forest ecosystems and their implications for carbon cycle models. *Science* 349 (6247), 528-532.
- 2014a **Biondi, F.** Dendroclimatic reconstruction at kilometer-scale grid points: A case study from the Great Basin of North America. **Journal of Hydrometeorology** 15(2): 891-906.
- 2014b *Biondi, F.* Paleoecology Grand Challenge. *Frontiers in Ecology and Evolution* 2: 1-3 (article 50), doi: 10.3389/fevo.2014.00050.
- 2014 **Biondi, F.**, M. Hay, and S. Strachan. The Tree-Ring Interpolation Model (TRIM) and its application to *Pinus monophylla* chronologies in the Great Basin of North America. **Forestry** 87(4): 582–597.
- Ziaco, E., *F. Biondi*, S. Rossi, and A. Deslauriers. Climatic influences on wood anatomy and tree-ring features of Great Basin conifers at a new mountain observatory. *Applications in Plant Sciences* 2(10): 1400054 (13 pages), doi: 10.3732/apps.1400054.
- 2014b Ziaco, E., *F. Biondi*, S. Rossi, and A. Deslauriers. Intra-annual wood anatomical features of high-elevation conifers in the Great Basin, USA. *Dendrochronologia* 32(4): 303–312.
- McLauchlan, K., P. E. Higuera, D. G. Gavin, S. S. Perakis, M. C. Mack, H. Alexander, J. Battles, *F. Biondi*, B. Buma, D. Colombaroli, S. Enders, D. R. Engstrom, F. S. Hu, J. R. Marlon, J. Marshall, M. McGlone, J. L. Morris, L. E. Nave, B. N. Shuman, E. Smithwick, D. H. Urrego, D. A. Wardle, C. J. Williams, J. J. Williams. Reconstructing disturbances and their biogeochemical consequences over multiple timescales. *BioScience* 64(2): 105-116.
- 2013 *Biondi, F.* The fourth dimension of interdisciplinary modeling. *Journal of Contemporary Water Resources Education* (JCWRE) 152: 42-48.
- 2013 **Biondi, F.** and M. Bradley. Long-term survivorship of single-needle pinyon (Pinus monophylla) in mixed-conifer ecosystems of the Great Basin, USA. **Ecosphere** 4(10): art 120 (19 pages).
- Zang, C. and *F. Biondi*. Dendroclimatic calibration in R: The *bootRes* package for response and correlation function analysis. *Dendrochronologia* 31: 68-74.
- Di Filippo, A., *F. Biondi*, E. Ziaco, and G. Piovesan. Dendroecological networks to investigate forest dynamics: The case of European beech in Italy. Pp. 134-143 in G. Helle, H. Gärtner, W. Beck, I. Heinrich, K.-U. Heußner, A. Müller, and T. Sanders (editors), *TRACE Tree Rings in Archaeology, Climatology and Ecology*. Scientific Technical Report STR13/05, German Research Centre for Geosciences (GFZ), Potsdam, Germany.
- Kilpatrick, M., *F. Biondi*, S. Strachan, and J.S. Sibold. Fire history of mixed conifer ecosystems in the Great Basin/Mojave Deserts transition zone, Nevada, USA. *Trees Structure and Function* 27: 1789–1803.
- 2013 Strachan, S., *F. Biondi*, S.G. Lindström, R. McQueen, and P.E. Wigand. Application of dendrochronology to historic charcoal production sites in the Great Basin, USA. *Historical Archaeology* 47(4): 103–119.
- 2013 Mensing, S., S. Strachan, J. Arnone, L. Fenstermaker, *F. Biondi*, D. Devitt, B. Johnson, B. Bird,

- and E. Fritzinger. A network for observing Great Basin climate change. *Eos, Transactions American Geophysical Union* 94(11): 105-106.
- 2012 **Biondi, F.**, and S.. Strachan. Dendrohydrology in 2050: Challenges and Opportunities. Pp. 355-362 in W. Grayman, P. Loucks, and L. Saito (editors), **Toward a Sustainable Water Future: Visions for 2050**, American Society of Civil Engineers (ASCE), Reston, Virginia.
- Strachan, S., *F. Biondi*, and J. Leising. A 550-year reconstruction of streamflow variability in Spring Valley, Nevada, USA. *Journal of Water Resources Planning and Management* 138: 326-333.
- 2012 Cheek, J.W., *F. Biondi*, J.S. Sibold, and R. Tausch. Fuel analysis and potential fire behavior in mixed conifer woodlands of the Great Basin, Nevada, USA. *Physical Geography* 33(3): 205–228.
- Ziaco, E., *F. Biondi*, A. Di Filippo, and G. Piovesan. Biogeoclimatic influences on tree growth releases identified by the boundary line method in beech (*Fagus sylvatica* L.) populations of southern Europe. *Forest Ecology and Management* 286: 28–37.
- Di Filippo, A., *F. Biondi*, M. Maugeri, B. Schirone, and G. Piovesan. Bioclimate and growth history affect beech lifespan in the Italian Alps and Apennines. *Global Change Biology* 18: 960-972.
- 2011 *Biondi, F.*, L. Jamieson, S. Strachan, and J. Sibold. Dendroecological testing of the pyroclimatic hypothesis in the central Great Basin, Nevada, USA. *Ecosphere* 2(1): art 5 (20 pages).
- Alessandrini, A., *F. Biondi*, A. Di Filippo, E. Ziaco, and G. Piovesan. Tree size distribution at increasing spatial scales converges to the rotated sigmoid curve in two old-growth beech stands of the Italian Apennines. *Forest Ecology and Management* 262: 1950–1962.
- Piovesan, G., A. Alessandrini, *F. Biondi*, A. Di Filippo, B. Schirone, and E. Ziaco.
 Bioclimatology, growth processes, longevity and structural attributes in an Italian network of old-growth beech forests spreading from the Alps to the Apennines. Pp. 173-192 in H.D.
 Knapp and A. Fichtner (editors), *Beech Forests: A Joint Natural Heritage of Europe*, BfN-Skripten, Vol. 297, Federal Agency for Nature Conservation, Bonn, Germany.
- 2011 Kleppe, J.A., D.S. Brothers, G. Kent, *F. Biondi*, S.E. Jensen, and N. Driscoll. Duration and severity of medieval drought in the Lake Tahoe Basin. *Quaternary Science Reviews* 30: 3269-3279.
- 2011 McMahon Jr., M., S.M. Dascalu, F.C. Harris Jr., S. Strachan, and *F. Biondi*. Architecting Climate Change Data Infrastructure for Nevada. Pp. 354-365 in C. Salinesi and O. Pastor (editors), *Advanced Information Systems Engineering Workshops CAISE-2011*, Lecture Notes in Business Information Processing, LNBIP-83, Springer, London, UK.
- 2010 **Biondi, F.**, and P. Hartsough. Using automated point dendrometers to analyze tropical treeline stem growth at Nevado de Colima, Mexico. **Sensors** 10: 5827-5844.
- 2010 Biondi, F., and I. Galindo Estrada. Tree-ring evidence for the 1913 eruption of Volcán de Fuego de Colima, Mexico. Pp. 453-464 in M. Stoffel, M. Bollschweiler, D. R. Butler, and B. H. Luckman (eds.), Tree Rings and Natural Hazards: A State-of-the-Art, Series "Advances in Global Change Research" Vol. 41, Springer, New York.
- Solander, K., L. Saito, and *F. Biondi*. Streamflow simulation using a water-balance model with annually-resolved inputs. *Journal of Hydrology* 387: 46–53.
- Di Filippo, A., A. Alessandrini, *F. Biondi*, S. Blasi, L. Portoghesi, and G. Piovesan. Climate change and oak growth decline: Dendroecology and stand productivity of a Turkey oak (*Quercus cerris* L.) old stored coppice in Central Italy. *Annals of Forest Science* 67 (7): 14 pages, DOI: 10.1051/forest/2010031.
- 2010 Snyder, K.A., R. Monnar, S.R. Poulson, P. Hartsough, and *F. Biondi*. Diurnal variations of needle water isotopic ratios in two pine species. *Trees* 24: 585–595.
- 2009 **Biondi, F.**, P. Hartsough, and I. Galindo Estrada. Recent warming at the tropical treeline of North America. **Frontiers in Ecology and the Environment** 7(9): 463–464.
- 2009 Dilts, T.E., J.S. Sibold, and *F. Biondi*. A weights-of-evidence model for mapping the probability of fire occurrence in Lincoln County, Nevada. *Annals of the Association of American Geographers* 99(4): 712–727.
- 2009 Kozubowski, T. J., A.K. Panorska, and *F. Biondi*. Mixed multivariate models for random sums

- and maxima. In: A. SenGupta (Ed.), *Advances in Multivariate Statistical Methods*, Vol. 4, Statistical Science and Interdisciplinary Research, World Scientific, Singapore, pp. 145-171.
- 2009 Piovesan, G., E. Presutti Saba, *F. Biondi*, A. Alessandrini, A. Di Filippo, and B. Schirone. Population ecology of yew (*Taxus baccata* L.) in the Central Apennines: Spatial patterns and their relevance for conservation strategies. *Plant Ecology* 205(1): 23–46.
- 2008a *Biondi, F.*, and F. Qeadan. Inequality in paleorecords. *Ecology* 89(4): 1056–1067.
- 2008b **Biondi, F.**, and F. Qeadan. A theory-driven approach to tree-ring standardization: Definining the biological trend from expected basal area increment. **Tree-Ring Research** 64(2): 81–96.
- 2008 *Biondi, F.*, T.J. Kozubowski, A.K. Panorska, and L. Saito. A new stochastic model of episode peak and duration for eco-hydro-climatic applications. *Ecological Modelling* 211: 383-395.
- 2008 Kirchner, P., *F. Biondi*, R. Edwards, and J. McConnell. Variability of trace metal concentrations in Jeffrey pine (*Pinus jeffreyi*) tree rings from the Tahoe Basin, California, USA. *Journal of Forest Research* 13: 347–356.
- 2008 Piovesan, G., *F. Biondi*, A. Di Filippo, A. Alessandrini, and M. Maugeri. Drought-driven growth reduction in old beech (*Fagus sylvatica*) forests of the central Apennines, Italy. *Global Change Biology* 14(6): 1265–1281.
- Saito, L., *F. Biondi*, J.D. Salas, A.K. Panorska, and T.J. Kozubowski. A watershed modeling approach to streamflow reconstruction from tree-ring records. *Environmental Research Letters* 3: 024006 (6pp); doi:10.1088/1748-9326/3/2/024006.
- 2008 Hartsough, P.C., S.R. Poulson, *F. Biondi*, and I. Galindo Estrada. Stable isotope characterization of the ecohydrological cycle at a tropical treeline site. *Arctic, Antarctic, and Alpine Research* 40(2): 343–354.
- 2007 *Biondi, F.*, S.D.J. Strachan, S.A. Mensing, and G. Piovesan. Radiocarbon analysis confirms the annual nature of sagebrush growth rings. *Radiocarbon* 49(3): 1231-1240.
- Di Filippo, A., F. Biondi, K. Cufar, M. de Luis, M. Grabner, M. Maugeri, E. Presutti Saba, B. Schirone, and G. Piovesan. Bioclimatology of beech (Fagus sylvatica L.) on the Eastern Alps: spatial and altitudinal climatic signals identified through a tree-ring network. Journal of Biogeography 34(11): 1873-1892.
- North, G.R., F. Biondi, P. Bloomfield, Christy, J. R., Cuffey, K. M., Dickinson, R. E., Druffel, E. R., Nychka, D., Otto-Bliesner, B., Roberts, N., Turekian, K. K., Wallace, J. M. Surface

 Temperature Reconstructions for the Last 2,000 Years, National Research Council, The National Academies Press, Washington, D.C., 196 pp.
- 2006 Py, C., J. Bauer, P.J. Weisberg, and F. Biondi. Radial growth responses of singleleaf pinyon (*Pinus monophylla*) to wildfire. *Dendrochronologia* 24: 39-46.
- 2005 Biondi, F., P.C. Hartsough, and I. Galindo Estrada. Daily weather and tree growth at the tropical treeline of North America. Arctic, Antarctic, and Alpine Research 37(1): 16-24.
- 2005 Biondi, F., T.J. Kozubowski, and A.K. Panorska. A new model for quantifying climate episodes. International Journal of Climatology 25(9): 1253-1264.
- 2005 Piovesan, G., F. *Biondi*, M. Bernabei, A. Di Filippo, and B. Schirone. Spatial and altitudinal bioclimatic zones of the Italian peninsula identified from a beech (*Fagus sylvatica* L.) tree-ring network. *Acta Oecologica* 27: 197–210.
- Piovesan, G., A. Di Filippo, A. Alessandrini, F. Biondi, and B. Schirone. Structure, dynamics, and dendroecology of an old-growth Fagus forest in the Apennines. Journal of Vegetation Science 16: 13-28.
- Biondi, F. and K. Waikul. DENDROCLIM2002: A C++ program for statistical calibration of climate signals in tree-ring chronologies. Computers & Geosciences 30(3): 303-311.
- 2003 Biondi, F., I. Galindo Estrada, J.C. Gavilanes R., and A. Elizalde Torres. Tree growth response to the 1913 eruption of Volcán de Fuego de Colima, Mexico. Quaternary Research 59(3): 293-299.
- Weinheimer, A. and F. Biondi. Paleoclimatology: Varves. In: J.R. Holton, J.A. Pyle, and J.A. Curry (editors), Encyclopedia of Atmospheric Sciences, Academic Press, London, Vol.4, pp. 1680-1684.
- 2002 Biondi, F., T.J. Kozubowski, and A.K. Panorska. Stochastic modeling of regime shifts. Climate Research 23: 23-30.
- 2002 Redmond, K.T., Y. Enzel, P.K. House, and F. Biondi. Climate variability and flood frequency at

decadal to millennial time scales. In: P.K. House, R.H. Webb, V.R. Baker, and D.R. Levish (eds.), Ancient Floods, Modern Hazards: Principles and Applications of Paleoflood Hydrology, Water Science and Application Vol.5, American Geophysical Union, San Francisco, pp. 21-45.

2001 Biondi, F. A 400-year tree-ring chronology from the tropical treeline of North America. Ambio

30: 162-166.

Biondi, F., A. Gershunov, and D.R. Cayan. North Pacific decadal climate variability since AD 2001

1661. Journal of Climate (Letters) 14: 5-10.

2000 Biondi, F. Are climate-tree growth relationships changing in north-central Idaho? Artic, Antartic, and Alpine Research 32: 111-116.

Competitive Research Grants (since 2000) Current

- Relationships Between Regional Climatic Patterns, Wood Anatomy, and Hydraulic Architecture of Conifer Species in the Western US, NSF Paleo Perspectives on Climate Change (P2C2) Program, \$461,883; P.I., 2015-'18.
- Past Extension of the North American Monsoon System (NAMS) into the Great Basin Reconstructed from Cell-to-Ecosystem Dendrochronology, NSF Paleo Perspectives on Climate Change (P2C2) Program, \$453,519; sole P.I., 2014-
- Collaborative Research: Extreme Events and Ecological Acclimation: Scaling from Cells to Ecosystems, NSF Macrosystem Biology Program, \$92,385; Co-P.I., 2014-'17.
- Refinement of Historical Variability And The Baseline For Hydroclimatic Conditions Within The Walker Basin, Nevada/California: A Multi-Elevational Dendrochronological And Ecohydrological Approach, NSF Geography and Spatial Sciences Program, \$344,999; P.I., 2012-'17.
- Fire History and Climate Change in Old-Growth Ponderosa Pine Habitats of the Sheep Range, Desert National Wildlife Refuge, Nevada, US Fish & Wildlife Service, Pacific Southwest Region, \$25,000; sole P.I., 2015-'16.
- Calibration of blue light reflectance for tree-ring analysis, USFS Rocky Mountain Research Station, \$43,031; sole P.I., *2015-'16.*

Completed

- Drought Planning Service Agreement, Truckee Meadows Water Authority, \$31,974; sole P.I., 2015-'16.
- Dendrochronological Analysis of Wood Samples Associated with Archaeological Features near Mt. Hope, Eureka County, Nevada, Kautz Environmental Consultants, \$ 16,637; sole P.I., 2013-'15.
- EAGER: Intra-seasonal Wood Anatomy to Assess Millennia-long Regional Climate Reconstructions, NSF Paleoclimate Program, \$171,628; sole P.I., 2012-'15.
- P2C2: Multi-Century Streamflow Derived From Watershed Modeling and Tree-Ring Data; NSF Paleo Perspectives on Climate Change (P2C2) Program, \$181,744 out of \$291,801; P.I., 2008-'14.
- Nevada Infrastructure for Climate Change Science, Education, and Outreach; NSF EPSCoR Program, \$740,862 out of \$15,000,000; UNR Co-PI for the Nevada Competition, and Ecological Change Lead for the NSF Proposal, 2008-
- Graduate Research Assistantships, Nevada System of Higher Education (for NSF-EPSCoR Project), \$126,000; P.I., 2008-'13.
- Tree-Ring Investigations for Water Resources Planning, Southern Nevada Water Authority, \$138,500; sole P.I., 2011-'13. Dendrochronology of the Mojave Desert, United States Geological Survey, \$20,000; sole P.I., 2011-'13.
- Resolving The "Divergence" Issue In Dendroclimatology, Integrative Science Project, NSHE-EPSCoR, \$114,304; P.I.,
- Minority Graduate Research Assistantship, NSF EPSCoR Program, \$73,630; P.I., 2011-'13.
- Mountain-to-Valley Ecohydrology at Multiple Spatial and Temporal Scales, Western Tri-State Consortium, Interdisciplinary Working Group Program, \$6,520; Co-P.I., 2011.
- Tree-Ring Extension of Hydrological Records for Selected Eastern Nevada Valleys, Southern Nevada Water Authority, \$173,600; sole P.I., 2008-'11.
- Pre-settlement Wildfire, Drought, and Piñon Juniper Dynamics in Southeastern Nevada; Department of the Interior, Bureau of Land Management (through the Great Basin Cooperative Ecosystem Study Unit) \$805,589 out of \$1,357,370; P.I., 2007-'09.
- Tracing the Waters Through the Trees: North American Monsoon Dynamics During the Past Four Centuries, NSF Geography and Regional Science Program, \$225,000; sole P.I., 2005-'09.

- Stochastic Modeling of Episode Duration, Magnitude, and Peak in Long Paleo Records; NSF Paleoclimate Program, \$94,045 out of \$241,226; P.I., 2005-'09.
- CAREER: Learning in the Woods Decadal Climate, Water Supply, and Fire Frequency in the Great Basin; NSF Paleoclimate Program, \$400,197; sole P.I., 2002-'08.
- Radiocarbon Dating of Sagebrush for Fire History Research; Research Initiatives Program, Woods Hole Oceanographic Institute, \$5,000; P.I., 2005-'06.
- Development of a Methodology for Building Long-term Fire History in Great Basin Valley Landscapes; Joint Fire Science Program, Bureau of Land Management, \$22,244 out of \$99,321; Co-P.I., 2002-'03.
- High Elevation Tree Rings and Climate in the North American Tropics; NSF Paleoclimate Program, \$295,872; P.I., 2000-103.
- Tree-Ring Reconstruction of Climate Variability at the Tropical Boundary of the American West; National Oceanic and Atmospheric Administration, Paleoclimate Program, \$60,500; P.I., 2000-'02.

Non-refereed Publications (since 2000)

- 2014 *Biondi, F.* and G. Greenwood (coordinators). *Abstract Book for the Global Fair and Workshop on Mountain Observatories*, Mountain Research Initiative and University of Nevada, Reno, NV, USA; 204 pp.
- 2011 *Biondi, F.* and S. Strachan. The Nevada NSF-EPSCoR Instrumented Transects: A Tool for Mountainto-Valley Ecohydrology. *Mountain Views* 5(1): 2-4.
- 2006 Biondi, F. Getting the pulse of the trees. The Midden 6(2): 3.
- 2002 Biondi, F. Treeline dendroclimatology in the North American Tropics. PAGES News 10(1): 9-10.

Abstracts in Conference Proceedings: 168 to date; 67 since 2010. Reports: 41 to date; 14 since 2010.

Professional Presentations

121 to date; 48 since 2010.

Courses Taught at UNR

2001, '02, '03, '04, '05, '08, '09	Physical Geography (GEOG 103, 3 credits) ²
2008, '10, '11, '12, '14, '15	Climate Change and its Environmental Impacts (GEOG/ATMS 121,
	4 credits) ³
2001, '02, '04	Field Methods (GEOG 314, 3 credits)
2006, '09, '10, '11	Understanding Climate (GEOG 321, 3 credits) ²
2001, '03, '05, '09, '10, '12, '15, '16	Spatial Analysis (GEOG 416/616, 3 credits) ¹
2000, '02, '04	Climatology (GEOG 421/621, 3 credits) ¹
2002, '10, '12	Geography of Past Environments (GEOG 437/637, 3 credits) ²
2012	Geography Colloquium (GEOG 490/690, 1 credit)
2001, '03, '05, '08, '10, '12	Advanced Climatology (GEOG 721, 3 credits) ¹
2002	Rural Landscapes of Northern Italy (USAC; 1 credit) ²

Students and Post-docs Advised at UNR: M. Bradley (M.S., 2009), J. Cheek (M.S., 2009), M. Hay (M.S., 2012), K. Hoover (M.S., 2010), L. Jamieson (M.S., 2008), M. Kilpatrick (M.S., 2009; Ph.D., in progress), P. Kirchner (M.S., 2006), N. Miley (M.S., in progress), R. Monnar (M.S., 2007), M. Sadeghpour (Ph.D., in progress), K. Solander (M.S., 2009); S. Strachan (M.S., 2011); P.C. Hartsough (Ph.D., 2008); J. Sibold (Postdoc, 2008); C. Truettner (Ph.D., in progress); E. Ziaco (Postdoc, in progress).

Service Activities (since 2000)

Co-organizer of a special session (oral: GC31G; poster: GC33B) on "Climate impacts on forest ecosystems: ecohydrologic scaling from cells to landscapes" at the 2015 Fall Meeting of the American Geophysical

¹ A Graduate Research Assistantship was provided by UNR's Office of the Vice President for Research for the first three years of the grant.

² Modified course

³ New course

Union, San Francisco, California, USA.

Co-organizer of the Global Fair and Workshop on "Long-Term Observatories of Mountain Social-Ecological Systems", 16-19 July 2014, University of Nevada, Reno (in cooperation with the Mountain Research Initiative, Institute of Geography, University of Bern, Switzerland).

Editorial Board Member, 2014-present, PLoS One.

Specialty Chief Editor, 2013-present, Paleoecology (a section of Frontiers in Ecology and Evolution). Subject Matter Editor, 2010-present, Ecosphere, the open-source journal of the Ecological Society of America (ESA).

Co-organizer of a special session (GC32B) on "Environment and Ecosystem Changes in the Third Pole and Other Mountain Regions II" at the 2013 Fall Meeting of the American Geophysical Union, San Francisco, California, USA.

Member of the Courses and Curriculum Committee, College of Science, UNR, 2005-'06 and 2007-2013.

Chair, Dept. of Geography Personnel Committee, UNR, 2010-2013.

Member, 2010-2012, Publications Committee, American Geophysical Union (AGU).

Member, Review Panels for National Science Foundation Programs, 2006, 2009, and 2012.

Co-organizer of a special session (B013) on "Climate impacts on ecosystems quantified using a combination of proxy records and instrumented observatories" at the 2012 Fall Meeting of the American Geophysical Union, San Francisco, California, USA.

Chair (2009) and Member (2012) of Shin Research Award Committee, College of Science, UNR.

Co-organizer of a special session (B36) on "Identifying and Quantifying Change in Ecological Systems" at the 2011 Fall Meeting of the American Geophysical Union, San Francisco, California, USA.

Organizer, Interdisciplinary Working Group meeting on "Mountain-to-Valley Ecohydrology at Multiple Spatial and Temporal Scales", NSF-EPSCoR Western Tri-State Consortium, UNR, 2011.

Chair, Search Committees for Faculty Positions, Dept. of Geography, UNR, 2003-'04 and 2009-'10.

Organizer, Special Sessions I and II on "Climate, Wildfire, and Woodland Dynamics in the Great Basin of North America", 2009 Annual Meeting of the Association of American Geographers, Las Vegas, Nevada, USA.

Member, 2002-2006 and 2007-2009, Selection Committee for the Paper of the Year Award, Climate Specialty Group, Association of American Geographers.

Member, 2006, National Academy of Sciences Committee on Surface Temperature Reconstructions for the Past 2,000 Year.

Director of Graduate Studies, Dept. of Geography, UNR, 2002-'06.

Member, Scientific Board, Eurodendro 2005 International Conference of Dendrochronology, Viterbo, Italy.

Member, 1999-2005, Advisory Board, Dendrochronologia.

Organizer, Special Sessions I and II on "Paleorecords of Changing Climate Variability", 98th Annual Meeting of the Association of American Geographers, March 19-23, 2002, Los Angeles, California, USA.

Reviewer of grant proposals submitted to public and private funding agencies, including the *National Science Foundation* and the *National Oceanic and Atmospheric Administration*.

Reviewer of manuscripts submitted to refereed journals (including *Science*, *Nature Geoscience*, and *PNAS*) and books.